

**LIST OF SCIENTIFIC PUBLICATIONS J. POESEN (20 June 2021)**

1. Dickens, C. and Poesen, J. 1977 (o.l.v. Prof. F.Gullentops). Hydrografische studie van het Nete-bekken stroomopwaarts van Westerlo (toestand 1975-1976). Rapport bestemd voor de Provinciale en Intercommunale Drinkwatermaatschappij der Provincie Antwerpen (P.I.D.P.A.). Fysische geografie, K.U.Leuven: 31 p.
2. Savat, J. and Poesen, J. 1977. Splash and discontinuous runoff as creators of fine sandy lag deposits with Kalahari sands. *Catena* 4(4):321-332.
3. Poesen, J. and Savat, J. 1980. Particle-size separation during erosion by splash and runoff. In: De Boodt, M. and Gabriels, D. (eds.), *Assessment of Erosion*. Wiley, Chichester:427-439.
4. Poesen, J. 1981. Rainwash experiments on the erodibility of loose sediments. *Earth Surface Processes and Landforms* 6 (3-4):258-307.
5. Savat, J. and Poesen, J. 1981. Detachment and transportation of loose sediments by raindrop splash. Part I. The calculation of absolute data on detachability and transportability. *Catena* 8(1):1-17.
6. Poesen, J. and Savat, J. 1981. Detachment and transportation of loose sediments by raindrop splash. Part II. Detachability and transportability measurements. *Catena* 8(1):19-41.
7. Gabriels, D., Van Molle, M., Callebaut, F., Cnockaert, L., Corthals, K., Devos, K., Poesen, J. and Van Gheluwe, P., 1984. Erosie en verontreiniging. Rapport Werkgroep II-4 Water voor Groen, Vierde Vlaams Wetenschappelijk Congres over Groenvoorziening, 29-30 juni 1984. Vereniging voor Groenvoorziening. Gontrode:253-268.
8. Poesen, J. 1984. Rainfall erosion mechanisms with respect to soil erodibility. *Dissertation Abstracts International-C*, 45(3):766.
9. Poesen, J. 1984. The influence of slope angle on infiltration rate and Hortonian overland flow volume. *Zeitschrift für Geomorphologie Suppl.* Bd. 49:117-131.
10. Poesen, J. 1985. An improved splash transport model. *Zeitschrift für Geomorphologie* 29(2):193-211.
11. De Ploey, J. and Poesen, J. 1985. Aggregate stability, runoff generation and interrill erosion. In Richards, K., Arnett, R. and Ellis, S. (eds.) *Geomorphology and Soils*. George Allen and Unwin, Hempstead, England:99-120.
12. Gabriels, D., Van Molle, M., Callebaut, F., Cnockaert, L., Corthals, K., Devos, K., Poesen, J. and Van Gheluwe, P. 1985. Erosie en verontreiniging. *Water* 23:139-144.
13. Poesen, J. 1986. Field measurements of splash erosion to validate a splash transport model. *Zeitschrift für Geomorphologie*, Supplement Band 58:81-91.

14. Poesen, J. 1986. Surface sealing as influenced by slope angle and position of simulated stones in the top layer of loose sediments. *Earth Surface Processes and Landforms* 11:1-10.
15. Poesen, J. 1986. Surface sealing on loose sediments: the role of texture, slope and position of stones in the top layer. In: Callebaut, F., Gabriels, D. and De Boodt M. (eds.), *Assessment of soil surface sealing and crusting*. R.U.Gent:354-362.
16. Govers, G. and Poesen, J. 1986. A field-scale study of surface sealing and compaction on loam and sandy loam soils. Part I: Spatial variability of soil surface sealing and crusting. In Callebaut, F., Gabriels, D. and De Boodt, M. (eds.), *Assessment of soil surface sealing and crusting*. R.U.Gent:171-182.
17. Poesen, J. and Govers, G. 1986. A field-scale study of surface sealing and compaction on loam and sandy loam soils. Part II: Impact of soil surface sealing and compaction on water erosion processes. In Callebaut, F., Gabriels, D. and De Boodt, M. (eds.), *Assessment of soil surface sealing and crusting*. R.U.Gent:183-193.
18. Poesen, J. 1987. The role of slope angle in surface seal formation. In Gardner, V. (ed.). *International Geomorphology* 1986, Part II. Wiley:437-448.
19. Poesen, J. 1987. Transport of rock fragments by rill flow: a field study. In: Bryan, R. (ed.), *Rill erosion*. *Catena Supplement* 8:35-54.
20. De Ploey, J. and Poesen, J. 1987. Some reflections on modelling hillslope processes. In: Ahnert, F. (ed.) *Geomorphological Models: Theoretical and Empirical Aspects*. *Catena Supplement* 10:67-72.
21. Römkens, M., Prasad, S. and Poesen, J. 1987. Soil erodibility and properties. *Transactions of the XIII Congress of International Society of Soil Science*. Volume V:492-504.
22. Poesen, J. 1987. Conditions d'évacuation d'éléments grossiers sur des pentes pendant des pluies de moyenne intensité. *Réseau Erosion, Bulletin* 7:40.
23. Govers, G., Everaert, W., Poesen, J., Rauws, G. and De Ploey, J. 1987. Susceptibilité d'un sol limoneux à l'érosion par rigoles: essais dans le grand canal de Caen. *Bulletin du Centre de Géomorphologie du C.N.R.S.*, Caen, France, 33:86-106.
24. Poesen, J. 1988. Surface sealing on sandy and loamy soils: some aspects of seal formation and the influence of sealing on water erosion subprocesses. *Quaderni di Scienza del Suolo*, Firenze, Italia, I:9-19.
25. Torri, D. and Poesen, J. 1988. Condizione di soglia per il moto di singoli elementi di scheletro in rill: simulazione di laboratorio. *Quaderni di Scienza del Suolo*, Firenze, Italia, I:22-31.
26. Torri, D. and Poesen, J. 1988. Incipient motion conditions for single rock fragments in simulated rill flow. *Earth Surface Processes and Landforms* 13:225-237.
27. Poesen, J. and Torri, D. 1988. The effect of cup size on splash detachment and transport measurements. Part I Field measurements. In: Imeson, A. and Sala, M. (eds.), *Geomorphic Processes in Environments with strong seasonal contrasts*. Volume I Hillslope Processes. *Catena Supplement* 12:113-126.
28. Torri, D. and Poesen, J. 1988. The effect of cup size on splash detachment and transport measurements. Part II Theoretical approach. In: Imeson, A. and Sala, M. (eds.), *Geomorphic Processes in Environments with strong seasonal contrasts*. Volume I Hillslope Processes. *Catena Supplement* 12:127-137.
29. Govers, G., Paulissen, E., Poesen, J. and De Ploey, J. 1988. Some recent research results of the Laboratory of Experimental Geomorphology. In: Morgan, R. and Rickson, J. (eds.), *Agriculture, Erosion Assessment and Modelling*. Commission of the European Communities 1988:331-337.

30. Poesen, J., De Ploey, J. and Govers, G. 1988. Bodemerosie in Midden-België: oorzaken, gevolgen en bestrijding. De Vrienden van Heverleebos en Meerdaalwoud. Jaarbulletin 1988:24-38.
31. Van Gemert, D., De Ploey, J., Poesen, J. and Govers, G. 1988. Erosie Kesselberg. Rapport opgesteld in opdracht van de stad Leuven, K.U.Leuven, 34 p.
32. Govers, G. and Poesen, J. 1988. Assessment of the interrill and rill contributions to total soil loss from an upland field plot. *Geomorphology* 1:343-354.
33. Poesen, J. (with Govers, G., De Ploey, J., Paulissen, E., Mücher, H. and Van Elewijck, L.) 1988. Soil erosion and soil erosion control experiments in Brabant, Belgium. Excursion guide 4th Benelux Colloquium on Geomorphological Processes and Soils. Amsterdam - Leuven, 24 April - 2 May, 65 p.
34. Poesen, J. 1988. A review of the studies on the mechanisms of incipient rilling and gullying in the Belgian Loam Region. In Ijioma, C.I., Ananaba, S. and Boers, T. (eds.), Proceedings of the International Symposium on Erosion in S.E. Nigeria. Federal University of Technology, Owerri, Nigeria 1:13-20.
35. Poesen, J. 1988. Surface seal formation and soil erosion subprocesses. In Ijioma, C.I., Ananaba, S. and Boers, T. (eds.), Proceedings of the International Symposium on Erosion in S.E. Nigeria. Federal University of Technology, Owerri, Nigeria 1:60-67.
36. Römkens, M., Poesen, J. and Wang, J. 1988. Relationship between the USLE Soil Erodibility Factor and Soil Properties. In Rimwanich, S. (ed.), Land Conservation for Future Generations, Bangkok, Thailand, 1: 371-385.
37. Poesen, J. and Bryan, R. 1989-90. Influence de la longueur de pente sur le ruissellement : rôle de la formation de rigoles et de croûtes de sédimentation. *Cahiers ORSTOM*, série Pédologie, 25(1-2):71-80 .
38. Bryan, R., Govers, G. and Poesen, J. 1989. The concept of soil erodibility and some problems of assessment and application. *Catena* 16:393-412.
39. Poesen, J. and Govers, G. 1989. Soil degradation and related research in Belgium. European Society for Soil Conservation Newsletter 1, 5.
40. Bryan, R. and Poesen, J. 1989. Laboratory experiments on the influence of slope length on runoff, percolation and rill development. *Earth Surface Processes and Landforms* 14:211-231.
41. Poesen, J. 1989. Conditions for gully formation in the Belgian Loam Belt and some ways to control them. *Soil Technology Series* 1:39-52.
42. De Ploey, J., Poesen, J. and Govers, G. 1989. Bestrijding van bodemdegradatie en de oprichting van een dienst voor bodemconservatie. *De Boer en de Tuinder* 31:15-16.
43. Poesen, J. and Torri, D. 1989. Mechanisms governing incipient motion of ellipsoidal rock fragments in concentrated overland flow. *Earth Surface Processes and Landforms* 14:469-480.
44. Poesen, J., De Ploey, J., Govers, G., Rauws, G. and Everaert, W. 1989. Soil erosion in the EEC: a framework for soil protection. In 'Environmental Research Programme, Research Area : Soil Quality', Progress Report 1988, Commission of the European Communities, Directorate General for Science, Research and Development, XII/69/89-EN, 89-91.
45. De Ploey, J. and Poesen, J. 1989. Experimental geomorphology and the interpretation of stone-lines. *Geo-Eco-Trop.* 11:75-82.
46. Poesen, J. and Govers, G. 1990. Gully erosion in the loam belt of Belgium : typology and control measures. In Boardman, J., Foster, D.L. and Dearing, J.A. (eds.), *Soil Erosion on Agricultural Land*. J. Wiley, Chichester, U.K. :513-530.

47. Govers, G., Everaert, W., Poesen, J., Rauws, G., De Ploey, J. and Lautridou, J.P. 1990. A long flume study of the dynamic factors affecting the resistance of a loamy soil to concentrated flow erosion. *Earth Surface Processes and Landforms* 15:313-328.
48. Poesen, J. 1990. Conditions for the evacuation of rock fragments from cultivated upland areas during rainstorms. In *Erosion, Transport and Deposition Processes*, International Association of Hydrological Sciences Publication 189:145-160.
49. Poesen, J. 1990. Erosion process research in relation to soil erodibility and some implications for improving soil quality. In Albaladejo, J., Stocking, M. and Diaz, I. (eds.), *Soil Degradation and Rehabilitation in Mediterranean Environmental Conditions*, Consejo Superior de Investigaciones Cientificas, Spain: 159-170.
50. Torri, D. and Poesen, J. 1990. Threshold conditions for motion of gravel in rills. Proceedings of the First International Congress of Geohydrology "Antropization and Degradation of the Physical Environment", December 1987, Firenze, Italia, C.N.R. Gruppo Nazionale Difesa Catastrofi Idrogeologiche 129:3-12.
51. Torri, D., Biancalani, R. and Poesen, J. 1990. Initiation of motion of gravels in concentrated overland flow : cohesive forces and probability of entrainment. *Catena Suppl.* 17:79-90.
52. Poesen, J., Ingelmo-Sanchez, F. and Mücher, H. 1990. The hydrological response of soil surfaces to rainfall as affected by cover and position of rock fragments in the topsoil. *Earth Surface Processes and Landforms* 15 (7): 653-671.
53. Poesen, J. and Govers, G. 1990. Gully erosion in agricultural lands: typology and control measures. In Ferreira, A.G., Coutinho, M.A. and Tomas, P.P. (eds.) *Interaction between agricultural systems and soil conservation in the Mediterranean belt*. Proceedings of the international seminar held in Oeiras, Portugal. European Society for Soil Conservation, 2 pp.
54. Poesen, J. 1991. Influence des éléments grossiers sur la genèse du ruissellement: effet de leur position à la surface et du degré de couverture. *Réseau Erosion Bulletin* 11:67.
55. De Ploey, J., Govers, G. and J. Poesen 1991. Soil conservation techniques for loess areas. In Verachtert, H. and Billiet, C. (eds.) *Environmental Platform 1991*. Proceedings, K.U.Leuven, 4 pp.
56. Poesen, J. and Lavee, H. 1991. Effects of size and incorporation of synthetic mulch on runoff and sediment yield from interrills in a laboratory study with simulated rainfall. *Soil and Tillage Research* 21:209-223.
57. Lavee, H. and Poesen, J. 1991. Overland flow generation and continuity on stone-covered soil surfaces. *Hydrological Processes*, 5:345-360.
58. Declercq, F. and Poesen, J. 1991. Erosiekarakteristieken van de bodem in Laag- en Midden-België. *Tijdschrift van de Belgische Vereniging voor Aardrijkskundige Studies*, 1991-1:29-46.
59. Poesen, J. and Ingelmo-Sanchez, F. 1992. Runoff and sediment yield from topsoils with different porosity as affected by rock fragment cover and position. *Catena*, 19: 451-474.
60. Poesen, J. 1992. Systematic investigation of soils containing rock fragments. CEC, DG XII, MEDALUS first annual report EPOCH-CT90-0014, 1991, 113-122.
61. Poesen, J. 1992. Gully erosion in the loess belt of Northwestern Europe : typology and control measures. In Luk, S.H. (ed.), *Geographical Information System for Soil Erosion Management*, Proceedings International Conference, Taiyuan, Shanxi Province, China, 163-174.
62. Declercq, F. and Poesen, J. 1992. Evaluation of two models to calculate the soil erodibility factor K. *Pedologie* XLII-2 (42-2):149-169.
63. Govers, G. and Poesen, J. 1992. Fysische en sociaal-economische aspecten van het bodemerosieprobleem in België. *Acta Geographica Lovaniensia* 33:531-540.

64. Torri, D. and Poesen, J. 1992. The effect of soil surface slope on raindrop detachment. *Catena*, 19:561-578.
65. Lavee, H. and Poesen, J. 1992. Stone cover effect on overland flow generation and continuity (in hebrew). *Studies in the Geography of Israel* 13: 132-148.
66. Poesen, J. 1992. Mechanisms of overland flow generation and sediment production on loamy and sandy soils with and without rock fragments. In Parsons, A.J. and A.D. Abrahams (eds.) *Overland Flow Hydraulics and Erosion Mechanics*. UCL Press, London: 275-305.
67. Poesen, J., Govers, G., Goossens, D. and Paulissen, E. 1992. In memoriam Jan De Ploey. *Tijdschrift van de Belgische Vereniging voor Aardrijkskundige Studies*, 2:371-380.
68. Poesen, J., van Wesemael B. and Cammeraat E. 1993. Gully erosion in the loess belt: typology and control measures (Kinderveld site, Korbeek-Dijle). In *Excursion guide "Geomorphological Processes in the Belgian Loess Belt"*, 24 March 1993. Memorial Symposium Prof. J. De Ploey, "Experimental Geomorphology and Landscape Ecosystem Changes":16-28.
69. Poesen, J. and Bunte, K. 1993. Surface rock fragment effects on soil erosion by water. *Annales Geophysicae*, Supplement II to Volume 11, Oceans, Atmosphere, Hydrology and Nonlinear Geophysics, C258.
70. Bunte, K. and Poesen, J. 1993. Effects of rock fragment covers on erosion and transport of noncohesive sediment by shallow overland flow. *Water Resources Research* 29 (5):1415-1424.
71. Farres, P., Poesen, J. and Wood, S. 1993. Soil erosion landscapes. *Geography Review* 6:38-41.
72. Poesen, J. 1993. Gully typology and gully control measures in the European loess belt. In Wicherek, S. (ed.) *Farm Land Erosion in Temperate Plains Environment and Hills*. Elsevier Science Publishers, Amsterdam: 221-239.
73. Poesen, J. and Bunte, K. 1993. Systematic investigation of soils containing rock fragments. MEDALUS I Final report. EPOCH-CT90-0014-(SMA):378-405.
74. Poesen, J. and Nearing, M. 1993. Soil surface sealing and crusting. Preface. *Proceedings of the International Symposium on Soil Crusting: Chemical and Physical Processes*. May 30 - June 1, 1991. Athens, Georgia, USA. *Catena* Supplement 24, 2p.
75. Poesen, J., van Wesemael, B. and Cammeraat, E. 1993. Ravijnerosie in het loessgebied: typologie en beheersingsmaatregelen (Kinderveld, Korbeek-Dijle). In excursiegids "Geomorfologische Processen in de Leemstreek", Vliebergh-Senciecentrum Geografie, 23 oktober 1993, K.U.Leuven, 16-28.
76. van Wesemael B. and Poesen, J. 1993. Bepaling van de erosiegevoeligheid van mijnsteenmateriaal op de terril van de mijn Winterslag. Rapport bestemd voor de Kempense Steenkoolmijnen. Laboratorium voor Experimentele Geomorfologie, K.U.Leuven, 41 p.
77. Bunte, K. and Poesen, J. 1993. Effects of horseshoe vortex erosion on sediment yield from soils covered by rock fragments. *Zeitschrift für Geomorphologie* 37 (3): 327-335.
78. Paulissen, E., Poesen, J., Govers, G. and De Ploey, J. 1993. The physical environment at Sagalassos (Western Taurus, Turkey). A Reconnaissance Survey. In Waelkens M. and Poblome, J. (eds.) *Sagalassos II. Acta Archaeologica Lovaniensia Monographiae* 6:229-247.
79. Lavee, H., Poesen, J. and Benyamin Y. 1994. The effect of Stone cover Removal by Ancient Farmers in the Negev, on Runoff and Erosion in Light of New Hydrologic Research. Final Report to the Seagram Fund, Israel, 74 p.

80. Bunte, K. and Poesen, J. 1994. Effects of rock fragment size and cover on overland flow hydraulics, local turbulence and sediment yield on an erodible soil surface. *Earth Surface Processes and Landforms* 19:115-135.
81. van Wesemael, B. and Poesen, J. 1994. Effects of rock fragments on physical degradation of cultivated soils by rainfall. *Annales Geophysicae*, Supplement II to Volume 12, C 418.
82. Govers, G., Vandaele K., Desmet, P. and Poesen, J. 1994. Characterizing soil tillage as a geomorphological process. In H.E. Jensen, P. Schjonning, S.A. Mikkelsen and K.B. Madsen (eds.) *Soil Tillage for Crop Production and Protection of the Environment*. Proceedings of 13th International Conference of the International Soil Tillage Research Organization (ISTRO), Aalborg, Denmark 24-29 July 1994, Vol. I:269-274.
83. Poesen, J. and Govers, G. 1994. Bodemerosie in Midden-België. Een stand van zaken. *Onze Alma Mater* 94/3:251-267.
84. Poesen, J. and Lavee, H. 1994. Rock fragments in top soils: significance and processes. *Catena* 23(1-2):1-28.
85. Torri, D., Poesen, J., Monaci, F. and Busoni, E. 1994. Rock fragment content and fine soil bulk density. *Catena* 23:65-71.
86. Poesen, J., Torri, D. and Bunte, K. 1994. Effects of rock fragments on soil erosion by water at different spatial scales: a review. *Catena* 23:141-166.
87. Govers, G., Vandaele, K., Desmet, P., Poesen, J. and Bunte, K. 1994. The role of tillage in soil redistribution on hillslopes. *European Journal of Soil Science* 45(4):469-478.
88. Poesen, J., Govers, G., Paulissen, E., Vandaele K. 1995. A geomorphological evaluation of erosion risk at Sagalassos. *Acta Archaeologica Lovaniensia Monographiae* 7:341-356.
89. van Wesemael, B., Poesen, J. and de Figueiredo T. 1995. Effects of rock fragments on physical degradation of cultivated soils by rainfall. *Soil and Tillage Research* 33:229-250.
90. Mermut, A.R., Luk, S.H., Römkens, M.J.M. and Poesen, J.W.A. 1995. Micromorphological and mineralogical components of surface sealing in loess soils from different geographic regions. *Geoderma* 66:71-84.
91. Römkens, M.J.M., Luk, S.H., Poesen, J.W.A. and Mermut, A.P. 1995. Rain infiltration into loess soils from different geographic regions. *Catena* 25:21-32.
92. Vandaele, K. and Poesen, J. 1995. Spatial and temporal patterns of soil erosion rates in an agricultural catchment, central Belgium. *Catena* 25:213-226.
93. Poesen, J. and van Wesemael, B. 1995. Effects of rock fragments on the structural collapse of tilled topsoils during rain. In E. Derbyshire, T. Dijkstra and I.J. Smalley (eds.) *Genesis and Properties of Collapsible Soils*. Kluwer Academic Publishers, Dordrecht, NATO Advanced Science Institute Series, Series C: Mathematical and Physical Sciences, Vol. 468:333-343.
94. Poesen, J. 1995. Soil erosion in Mediterranean environments. In R. Fantechi, D. Peter, P. Balabanis and J.L. Rubio. *Desertification in a European context: Physical and socio-economic aspects*. European Commission, Luxembourg, EUR 15415:123-152.
95. Bochet, E., Poesen, J. and Rubio, J.L. 1995. Influence of three mediterranean plant species on the spatial and temporal variation of water erosion (Valencia, Spain): experimental set up and preliminary results. In R. Fantechi, D. Peter, P. Balabanis and J.L. Rubio. *Desertification in a European context: Physical and socio-economic aspects*. European Commission, Luxembourg, EUR 15415:377-388.
96. Berael, C., Poesen, J. and van Wesemael, B. 1995. Rill and gully erosion in relation to rock fragment cover and surface slope along a hillslope in Southeastern Spain. In R. Fantechi, D. Peter, P. Balabanis and

- J.L. Rubio. Desertification in a European context: Physical and socio-economic aspects. European Commission, Luxembourg, EUR 15415:371-375.
97. Govers, G. and Poesen, J. 1995. Soil conservation in Belgium: some recent developments. European Society for Soil Conservation Newsletter 3:13-14.
98. van Wesemael, B., Poesen, J., Kosmas, C.S. and Danalatos, N.G. 1995. The role of rock fragments in evaporation from cultivated soils under mediterranean climatic conditions. Physics and Chemistry of the Earth 20:293-299.
99. Poesen, J., Govers, G. and Goossens, D. 1996. Bodemaantasting. Milieu- en natuurrappoort Vlaanderen 1996. Wetenschappelijk Rapport. Vlaamse Milieumaatschappij, Afdeling Meetnetten en Onderzoek. Erembodegem, II.5 Bodem, Deel B, 83-118. 40 p.
100. van Wesemael, B., Poesen, J., de Figueiredo, T. and Govers, G. 1996. Surface roughness evolution of soils containing rock fragments. Earth Surface Processes and Landforms, 21:399-411.
101. Poesen, J. 1996. Effects of rock fragments on soil degradation processes in Mediterranean environments. In Rubio, J. and Calvo, A. (eds.) Soil degradation and desertification in Mediterranean environments. Geoforma ediciones, Logroño, Spain, 185-222.
102. Poesen, J. and Govers, G. 1996. Soil erosion and soil conservation. In Denis, J. (ed.) Geographical Research in Belgium. Tijdschrift van de Belgische Vereniging voor Aardrijkskundige Studies 64:43-49.
103. Poesen, J., Vandaele, K. and van Wesemael, B. 1996. Contribution of gully erosion to sediment production in cultivated lands and rangelands. IAHS Publ. 236:251-266.
104. Poesen, J. and van Wesemael, B. 1996. Stony soils. In Mediterranean Desertification and Land Use, Basic Field Programme. Final report covering the period 1 January 1991 to 30 September 1995, European Commission Contract contract EV5V-CT92-0128 (MEDALUS II Project 1), 244-279.
105. van Wesemael, B., Poesen, J., Kosmas, C.S., Danalatos, N.G. and Nachtergael, J. 1996. Evaporation from cultivated soils containing rock fragments. J. of Hydrology 182 (1-4):65-82.
106. Vandaele, K., Poesen, J., Govers, G. and van Wesemael, B. 1996. Geomorphic threshold conditions for ephemeral gully incision. Geomorphology 16(2):161-173.
107. Poesen, J. 1996. Gully erosion in central Belgium. In Deckers, J., Brahy, V., Delvaux, B., Geypens, M., Poesen, J. and Vandenberghe, N. (eds.). Geomorfologische processen en bodemgenese in het verleden en het heden. Gevalstudie: Zandleemstreek rond Leuven. Belgische Bodemkundige Vereniging, Pedologie - themata 1996, 2:26-41.
108. Poesen, J., Boardman, J., Wilcox, B. and Valentin, C. 1996. Water erosion monitoring and experimentation for global change studies. Journal of Soil and Water Conservation 51 (5):386-390.
109. Vandaele, K., Poesen, J., Marques da Silva, J.R. and Desmet, P. 1996. Rates and predictability of ephemeral gully erosion in two contrasting environments. Géomorphologie: Relief, Processus, Environment, 2:83-95.
110. Geuzens, P., Cornelis, C., Laethem, B., Goyvaerts, M.P., Poesen, J., Govers, G. and Goossens, D. 1996. Bodem. In Verbruggen, A. (ed.) Milieu- en Natuurrappoort Vlaanderen 1996 Leren om te keren. Vlaamse Milieumaatschappij en Garant Uitgevers, Leuven/Apeldoorn, 301-322.
111. Poesen, J. and Bunte, K. 1996. Effects of rock fragments on desertification processes in Mediterranean environments. In Brandt, J. and Thornes, J. (eds.) Mediterranean Desertification and Landuse. J. Wiley, Chichester, U.K., 257-269.
112. Nachtergael, J., Poesen, J. and van Wesemael, B. 1996. De grindmulstechniek: een traditionele techniek met actuele toepassingsmogelijkheden? De Aardrijkskunde 1996 (1-2), 53-62.

113. Degraer, G., Poesen, J., Govers, G., van Wesemael, B. and Desmet, P. 1996. Ruimtelijke spreiding van gesteentefragmenten aan het bodemoppervlak op intensief bewerkte landbouwgrond (Zuidoost-Spanje). *De Aardrijkskunde* 1996 (1-2), 13-21.
114. Poesen, J., Govers, G. and Goossens, D. 1996. Verdichting en erosie van de bodem in Vlaanderen. *Tijdschrift van de Belgische Vereniging voor Aardrijkskundige Studies*. 1996-2:141-181.
115. Turkelboom, F., Poesen, J., Ohler, I., Van Keer, K., Ongprasert, S. and Vlassak, K. 1997. Assessment of tillage erosion rates on steep slopes in Northern Thailand. *Catena* 29:29-44.
116. Lavee, H., Poesen, J. and Yair, A. 1997. Evidence of high efficiency water-harvesting by ancient farmers in the Negev Desert, Israel. *Journal of Arid Environments* 35:341-348.
117. Poesen, J., van Wesemael, B., Govers, G., Martinez-Fernandez, J., Desmet, P., Vandaele, K., Quine, T. and Degraer, G. 1997. Patterns of rock fragment cover generated by tillage erosion. *Geomorphology* 18(3-4):183-197.
118. Römkens, M.J.M., Young, R.A., Poesen, J.W.A., McCool, D.K., El-Swaify, S.A. and Bradford, J.M. 1997. Soil Erodibility Factor (K). In Renard, K.G., Foster, G.R., Weesies, G.A., McCool, D.K. and Yoder, D.C. (coordinators) "Predicting Soil Erosion by Water: A Guide to Conservation Planning with the Revised Universal Soil Loss Equation". Agriculture Handbook Number 703, USDA-ARS, Washington, DC. ISBN 0-16-048938-5, 65-100.
119. Mermut, A.R., Luk, S.H., Römkens, M.J.M. and Poesen, J.W.A. 1997. Soil loss by splash and wash during rainfall from two loess soils. *Geoderma* 75 (3-4):203-214.
120. Poesen, J.W.A. and Hooke, J.M. 1997. Erosion, flooding and channel management in Mediterranean Environments of southern Europe. *Progress in Physical Geography* 21 (2):157-199.
121. Vandaele, K., Poesen, J., Marques da Silva, J.R., Govers, G. and Desmet, P. 1997. Assessment of factors controlling ephemeral gully erosion in southern Portugal and central Belgium using aerial photographs. *Zeitschrift für Geomorphologie* 41(3):273-287.
122. Govers, G., Poesen, J. and S. Mertens. 1997. Transport of rock fragments by animal trampling on scree slopes: experimental results and archaeological implications. *Acta Archaeologica Lovaniensia Monographiae* 9:541-551.
123. Torri, D., Poesen, J. and Borselli, L. 1997. Predictability and uncertainty of the soil erodibility factor using a global dataset. *Catena* 31:1-22, + *Catena* 32(1998):307-308, + *Catena* 46(2002):309-310
124. Oostwoud Wijdenes, D., Poesen, J., Vandekerckhove, L. and de Luna, E. 1997. Chiselling effects on the vertical distribution of rock fragments in the tilled layer of a Mediterranean soil. *Soil and Tillage Research*, 44:55-66.
125. Torri, D. and Poesen, J. 1997. Erodibilità del suolo. Chapter VII in M. Pagliai (ed.) *Metodi di analisi fisica del suolo*. Italian Ministry for Agricultural Policies in collaboration with the International Society of Soil Science and the Italian Soil Science Society. Istituto Sperimentale per la Nutrizione della Piante, Roma, Italy, VII:1-11.
126. Poesen, J. and Lavee, H. 1997. How efficient were Ancient rainwater Harvesting Systems in the Negev Desert, Israel? *Meded. Zitt. K. Acad. Overzeese Wet.* 43 (1997-3):405-419.
127. Poesen, J., van Wesemael, B. and Bunte, K. 1998. Soils containing rock fragments and their response to desertification. In Mairotta, P., Thornes, J. and Geeson, N. (eds.) *Atlas of Mediterranean Environments in Europe. The Desertification Context*. John Wiley, Chichester :50-52.
128. Poesen, J., Vandaele, K. and van Wesemael, B. 1998. Gully erosion: importance and model implications. In Boardman, J. and Favis-Mortlock, D.T. (eds.) *Modelling Soil Erosion by Water*. Springer-Verlag, Berlin Heidelberg, NATO-ASI Series, I-55:285-311.

129. Morgan, R.P.C., Quinton, J.N., Smith, R.E., Govers, G., Poesen, J., Chisci, G. and Torri, D. 1998. The EUROSEM model. In Boardman, J. and Favis-Mortlock, D.T. (eds.) *Modelling Soil Erosion by Water*. Springer-Verlag, Berlin Heidelberg, NATO-ASI Series I-55:389-398.
130. Bakker, M., Bergkamp, G., Detsis, V., Diamantopoulos, J., Gerontides, S., Imeson, A., Kosmas, C., Levelt, O., Marathianou, M., Oortwijn, R., Oostwoud Wijdenes, D., Poesen, J., Vandekerckhove, L. and Zaphiriou, T. 1998. Lesvos, Greece. Excursion guide, MEDALUS III, 24-28 April 1998, 60 pp.
131. Morgan, R.P.C., Quinton, J.N., Smith, R.E., Govers, G., Poesen, J.W.A., Auerswald, K., Chisci, G., Torri, D. and Styczen, M.E. 1998. The European Soil Erosion Model (EUROSEM): a dynamic approach for predicting sediment transport from fields and small catchments. *Earth Surface Processes and Landforms* 23:527-544.
132. Kosmas, C., Danalatos, N.G., Poesen, J. and van Wesemael B. 1998. The effect of water vapour adsorption on soil moisture content under Mediterranean climatic conditions. *Agricultural Water Management* 36:157-168.
133. Beuselinck, L., Govers, G., Poesen, J., Degraer, G. and Froyen, L. 1998. Grain-size analysis by laser diffractometry: comparison with the sieve-pipette method. *Catena* 32:193-208.
134. Salles, C. and Poesen, J. 1998. An Optical Spectro Pluviometer for the measurement of raindrop properties. *IAHS Publ.* 249:97-102.
135. Steegen, A., Govers, G., Beuselinck, L., Nachtergaele, J., Takken, I. and Poesen, J. 1998. Variations in sediment yield from an agricultural drainage basin in central Belgium. *IAHS Publ.* 249:177-185.
136. Verstraeten, G. and Poesen, J. 1998. Flooding of properties and sedimentation in retention ponds in Central Belgium. *IAHS Publ.* 249:187-193.
137. Van Wesemael, B., Poesen, J., Sole Benet, A., Cara Barriónuevo, L. and Puigdefabregas, J. 1998. Traditional management of a water harvesting system on hillslopes in south-east Spain. In Wheater, H. and Kirby, C. (eds.) *Hydrology in a Changing Environment*. Wiley, Chichester, U.K., 2:465-472.
138. Bochet, E., Rubio, J.L. and Poesen, J. 1998. Relative efficiency of three representative matorral species in reducing water erosion at the microscale in a semi-arid climate (Valencia, Spain). *Geomorphology*, 23:139-150.
139. Govers, G. and Poesen, J., 1998. Field experiments on the transport of rock fragments by animal trampling on scree slopes. *Geomorphology*, 23:193-203.
140. Poesen, J., van Wesemael, B., Bunte, K. and Solé Benet, A. 1998. Variation of rock fragment cover and size along semiarid hillslopes: a case-study from southeast Spain. *Geomorphology*, 23:323-335.
141. Morgan, R.P.C., Quinton, J.N., Smith, R.E., Govers, G., Poesen, J.W.A., Auerswald, K., Chisci, G., Torri, D., Styczen, M.E., Folly, A.J.V. 1998. The European Soil Erosion Model (EUROSEM): documentation and user guide. Silsoe College, Cranfield University, text (89 p.) + appendix (30 p.).  
<http://www.silsoe.cranfield.ac.uk/eurosem/euro3.htm>
142. Verstraeten, G. and Poesen, J. 1998. Some environmental and economic off-site effects of soil erosion in Central Belgium: flooding of properties and sedimentation in retention ponds. *Belgische Bodemkundige Vereniging - Pedologie - Themata* 5:55-57.
143. Nachtergaele, J., Poesen, J. and van Wesemael, B. 1998. Gravel mulching in vineyards of southern Switzerland. *Soil and Tillage Research*, 46:51-59.
144. de Figueiredo, T. and Poesen, J. 1998. Effects of surface rock fragment characteristics on interrill runoff and erosion of a silty loam soil. *Soil and Tillage Research*, 46:81-95.

145. van Wesemael, B., Poesen, J., Solé Benet, A., Cara Barriónuevo, L. and Puigdefabregas, J. 1998. Water harvesting based on the spatial distribution of thin and rocky soils in Almeria province, Spain. Proc. 16th World Congress of Soil Science, 20-26 August, 1998, Montpellier, France, CD-ROM, 1-6.
146. de Figueiredo, T., Poesen, J. and Gonçalves Ferreira, A. 1998. The relative importance of low frequency erosion events: results from erosion plots under vineyards in the Douro region, Northeast-Portugal. Proc. 16th World Congress of Soil Science, 20-26 August, 1998, Montpellier, France, CD-ROM, 1-8.
147. Oostwoud Wijdenes, D., Poesen, J., Vandekerckhove, L. and De Luna, E. 1998. The effect of tillage on the rock-fragment content of cultivated layers in the Mediterranean. Proc. 16th World Congress of Soil Science, 20-26 August, 1998, Montpellier, France, CD-ROM, 1-6.
148. van Wesemael, B., Poesen, J., Solé Benet, A., Cara Barriónuevo, L. and Puigdefabregas, J. 1998. Collection and storage of runoff from hillslopes in a semi-arid environment: geomorphic and hydrologic aspects of the aljibe system in Almeria Province, Spain. *Journal of Arid Environments* 40:1-14
149. De Baerdemaeker, J., Poesen, J. and Oostwoud Wijdenes, D. 1998. Morfologie van ravijnhoofden in verlaten landbouwgebieden van Zuidoost-Spanje. *De Aardrijkskunde*, 22 (1-2):3-14.
150. Vandekerckhove, L., Poesen, J., Oostwoud Wijdenes, D. and de Figueiredo, T. 1998. Topographical thresholds for ephemeral gully initiation in intensively cultivated areas of the Mediterranean. *Catena*, 33:271-292.
151. Salles, C. and Poesen, J. 1998. Description of an Optical Spectro Pluviometer for the study of rainfall erosivity. In Gabriels, D. and Cornelis, W.M. (eds.) Proc. International Workshop on Technical Aspects and Use of Wind Tunnels for Wind-erosion Control. Combined Effect of Wind and Water on Erosion Processes, 17-18 November 1997, International Center for Eremology, University of Ghent, I.C.E. Special Report 1998/1:71-76.
152. van Wesemael, B., Poesen, J., Solé Benet, A., Cara Barriónuevo, L. and Puigdefabregas, J. 1998. ¿Siguen siendo útiles los aljibes ganaderos de la provincia de Almería? (Proc. XI Aula de Ecología, 14-19 April 1997, Universidad de Almería, Junta de Almería) Investigación y Gestión Medio Natural, Año II, 3:207-216.
153. Oostwoud Wijdenes, D.J., Vandekerckhove, L., Poesen, J. and Kosmas, C. 1998. Rangeland degradation by sheep trampling on stony slopes in the Mediterranean, A case study from Lesvos, Greece. *Mediterraneo* 12/13:281- 307.
154. Beuselinck, L., Govers, G. and Poesen, J. 1999. Assessment of micro-aggregation using laser diffractometry. *Earth Surface Processes and Landforms*, 24:41-49.
155. Beuselinck, L., Nachtergaele, J., Takken, I., Govers, G., Steegen, A., Poesen, J. 1999. Sediment deposition and delivery for a small agricultural catchment during a major rainfall event in Belgium. In Rutherford, I. and Bartley, R. (eds.) Second Australian Stream Management Conference proceedings: The challenge of rehabilitating Australia's streams. 8-11 February 1999, Cooperative Research Centre for Catchment Hydrology, Monash University, vol. I:57-62.
156. Oostwoud Wijdenes, D.J. and Poesen, J. 1999. The effect of soil moisture on the vertical movement of rock fragments by tillage. *Soil and Tillage Research*, 49(4):301-312.
157. Salles, C. and Poesen, J. 1999. Performance of an optical spectro pluviometer in measuring basic rain erosivity characteristics. *Journal of Hydrology*. 218(3-4):143-156.
158. Gobin, A.M., Campling, P., Deckers, J.A., Poesen, J. and Feyen, J. 1999. Soil erosion assessment at the Udi-Nsukka cuesta (South Eastern Nigeria). *Land Degradation and Development* 10(2):141-160.
159. Clegg, Z., Farres, P.J. and Poesen, J. 1999. Soil surface drip point features: an integrated approach using analytical photogrammetry and soil micromorphology. *Catena* 35:303-316.

160. Van Rompaey, A., Govers, G., Van Oost, K., Poesen, J. and Desmet, J. 1999. Bodemerosie in Vlaanderen. Kaart en Beleidsdocument ten aanzien van bodemerosie in Vlaanderen. (Map and explanatory note) Ministerie van de Vlaamse gemeenschap – Departement Leefmilieu en Infrastructuur. Aminal, Afdeling Water, Brussel: 20 pp.
161. Salles, C., Poesen, J. and Borselli, L. 1999. Measurement of simulated drop size distribution with an optical spectro pluviometer: sample size considerations. *Earth Surface Processes and Landforms*, 24:545-556.
162. Morgan, R.P.C., Quinton, J.N., Smith, R.E., Govers, G., Poesen, J.W.A., Auerswald, K., Chisci, G., Torri, D. and Styczen, M.E. 1999. Reply to discussion on “The European Soil Erosion Model (EUROSEM): a dynamic approach for predicting sediment transport from fields and small catchments”. *Earth Surface Processes and Landforms*, 24:567-568.
163. Poesen, J., de Luna, E., Franca, A., Nachtergael, J. and Govers, G. 1999. Concentrated flow erosion rates as affected by rock fragment cover and initial soil moisture content. *Catena* 36:315-329.
164. Oostwoud Wijdenes, D., Poesen, J., Vandekerckhove, L., Nachtergael, J. and De Baerdemaeker, J. 1999. Gully-head morphology and implications for gully development on abandoned fields in a semi-arid environment, Sierra de Gata, Southeast Spain. *Earth Surface Processes and Landforms*. 24:585-603.
165. Nachtergael, J., Poesen, J., Steegen A., Takken, I., Beuselinck, L., Vandekerckhove, L. and Govers, G. 1999. Prediction of soil losses by ephemeral gully erosion using EGEM (ephemeral gully erosion model). *Pedologie – Themata* 6:76-85.
166. Salles, C., Poesen, J. and Govers, G. 1999. A comparison of rain erosivity indices for predicting soil detachment by raindrop impact. *Pedologie – Themata* 6:104-107.
167. Valentin, C., d' Herbès, J.M. and Poesen, J. 1999. Soil and water components of banded vegetation patterns. *Catena*, 37 (1-2):1-24.
168. Nachtergael, J. and Poesen, J. 1999. Assessment of soil losses by ephemeral gully erosion using high-altitude (stereo) aerial photographs. *Earth Surface Processes and Landforms*, 24:693-706.
169. Poesen, J., Oostwoud Wijdenes, D., Vandekerckhove, L. and van Wesemael, B. 1999. Management of stony soils. MEDALUS III Project 1: Core project. Final Report (January 1996 – December 1998), Contract ENV4-CT95-0115:309-344.
170. Poesen, J., Oostwoud Wijdenes, D. and Vandekerckhove, L. 1999. Soil Erosion patterns on different geomorphological units, Lesvos, Greece. MEDALUS III Project 2: Target Areas. Final Report (January 1996 – December 1998), Contract ENV4-CT95-0119:583-610.
171. Poesen, J., Oostwoud Wijdenes, D., Vandekerckhove, L. and Nachtergael, J. 1999. Empirical evidence for the impact of human activities and climate on headwater channel changes. MEDALUS III Project 4: Ephemeral Channels and Rivers. Final Report (January 1999-December 1998), Contract ENV4-CT95-0118:14-52.
172. van Wesemael, B., Poesen, J., Solé Benet, A., Cara Barrionuevo, L. and Puigdefabregas, J. 1999. Aljibes: an old water harvesting system in SE Spain; its efficiency controlled by some geomorphic and hydrological parameters. In Mather, A.E. and Stokes, M. (eds.). BSRG (British Sedimentological Research Group) / BGRG (British Geomorphological Research Group) SE Spain Field Meeting Guide Book, University of Plymouth, Plymouth, England:157-163.
173. Verstraeten, G. and Poesen, J. 1999. The nature of small-scale flooding, muddy floods and retention pond sedimentation in central Belgium. *Geomorphology*, 29:275-292.
174. Turkelboom, F., Poesen, J., Ohler, I. and Ongprasert, S. 1999. Reassessment of tillage erosion rates by manual tillage on steep slopes in northern Thailand. *Soil and Tillage Research* 51:245-259.

175. Quine, T.A., Govers, G., Poesen, J., Walling, D., van Wesemael, B. and Martinez-Fernandez, J. 1999. Fine-earth translocation by tillage in stony soils in the Guadalentin, south-east Spain: an investigation using Caesium-134. *Soil and Tillage Research* 51:279-301.
176. Van Muyzen, W., Govers, G., Bergkamp, G., Roxo, M. and Poesen, J. 1999. Measurement and modelling of the effects of initial soil conditions and slope gradient on soil translocation by tillage. *Soil and Tillage Research* 51:303-316.
177. Beuselinck, L., Govers, G., Steegen, A., Hairsine, P.B. and Poesen, J. 1999. Evaluation of the simple settling theory for predicting sediment deposition by overland flow. *Earth Surface Processes and Landforms* 24:993-1007.
178. Kosmas, C., Poesen, J. and Briassouli, H. 1999. Key indicators of desertification at the scale of ESA scale (Environmental Sensitive Areas). In Kosmas, C., Kirkby, M. and Geeson, N. (eds.) *The Medalus project Mediterranean desertification and land use. Manual on key indicators of desertification and mapping environmentally sensitive areas to desertification*. European Commission, Brussel, EUR 18882:11-30.
179. Bochet, E., Rubio, J.L. and Poesen, J. 1999. Modified topsoil islands within a patchy Mediterranean vegetation in SE Spain. *Catena*, 38:23-44.
180. Desmet, P.J.J., Poesen, J., Govers, G. and Vandaele, K. 1999. Importance of slope gradient and contributing area for optimal prediction of the initiation and trajectory of ephemeral gullies. *Catena* 37:377-392.
181. Takken, I., Beuselinck, L., Nachtergael, J., Govers, G., Poesen, J. and Degræer, G. 1999. Spatial evaluation of a physically-based distributed erosion model (LISEM). *Catena* 37:431-447.
182. Verstraeten, G., Poesen, J., Steegen, A. and Govers, G. 1999. Bodemerosie door water: bron van vele milieuproblemen in Vlaanderen. [@wel](http://www.wel.be) 2 – Water:1-8.
183. Ghesquiere, M., Poesen, J., Oostwoud Wijdenes, D. and Vandekerckhove, L. 1999. De ruimtelijke spreiding en activiteit van bermravijnhoofden langs de Rambla Salada (ZO-Spanje). *De Aardrijkskunde* 1999 (1-2):45-54.
184. Gyssels, G., Poesen, J., Oostwoud Wijdenes, D. and Vandekerckhove, L. 1999. Terugschrijdingssnelheid van ravijnhoofden. *De Aardrijkskunde* 1999 (1-2):63-74.
185. Seynaeve, L. and Poesen, J. 1999. Bodemverlies bij het rooien van witloofwortels. *De Aardrijkskunde* 1999 (3):3-9.
186. Stalpaert, L., Poesen, J. and Nachtergael, J. 1999. Gevoeligheid van drie lemige bodemhorizonten voor erosie door geconcentreerde afvoer. *De Aardrijkskunde* 1999 (3):11-18.
187. Poesen, J. and Hooke, J. 1999. Erosion, flooding and channel management in desertification prone areas of the European Mediterranean. In Balabanis, P., Denis, P., Ghazi, A. and Tsogas, M. (eds.) *Mediterranean Desertification: Research Results and Policy Implications*. European Commission, Directorate General Research, Belgium, EUR 19303:151-197. (ISBN 92-828-8127-X).
188. Vanmaercke-Gottigny, M.C., Poesen, J., Vanpaemel, L. and Serruys, P. 1999. Landslides in Flanders, Belgium. Analysis and Prognosis. Proc. Second International Symposium on Operationalization of Remote Sensing. Enschede, Nederland. 16-20 August 1999. ITC International Institute for Aerospace Survey and Earth Sciences, Publication 75, ISBN 9061641713, CD-ROM.
189. Nyssen, J., Mitiku Haile, Poesen, J., Deckers, J. and Moeyersons, J. 1999. Les effets du ramassage des pierres sur la perte du sol et les récoltes en Dogua Tembien, Tigré, Ethiopie. *Bulletin Réseau Erosion* 19 (1):427-440.
190. Mellouli, H.J., van Wesemael, B., Poesen, J. and Hartmann, R. 2000. Evaporation losses from bare soils as influenced by cultivation techniques in semi-arid regions. *Agricultural Water Management*, 42(3):355-369.

191. Salles, C. and Poesen, J. 2000. Rain properties controlling soil splash detachment. *Hydrological Processes* 14(2):271-282.
192. Poesen, J. 2000. Wat is bodemerosie? *Nieuwsbrief LIFE Project*, Februari 2000, 1 p.
193. Nyssen, J., Mitiku, H., Moeyersons, J., Poesen, J. and Deckers, J. 2000. Potentialities for the integration of indigenous and introduced soil and water conservation techniques in the Tembien Highlands. In Mitiku Haile et al. (ed.). Farmer innovation in land husbandry. Proceedings of Anglophone Regional Workshop, Mekelle, Tigray, Ethiopia, February 9-11, 2000, 178-180.
194. Van Rompaey, A., Govers, G., Waumans, T., Van Oost, K., Poesen, J. and Desmet, J. 2000. Een regionale bodemerosie-kaart voor Vlaanderen. @WEL 3:1-6.
195. Beuselinck, L., Steegen, A., Govers, G., Nachtergael, J., Takken, I. and Poesen, J. 2000. Characteristics of sediment deposits formed by intense rainfall events in small catchments in the Belgian Loam Belt. *Geomorphology* 32:69-82.
196. Oostwoud Wijdenes, D., Poesen, J., Vandekerckhove, L. and Ghesquiere M. 2000. Spatial distribution of gully head activity and sediment supply along an ephemeral channel in a Mediterranean environment. *Catena* 39:147-167.
197. Veihe, A., Quinton, J.N. and Poesen, J.A. 2000. Sensitivity Analysis of EUROSEM using Monte Carlo simulation II: the effects of rills and rock fragments. *Hydrological Processes* 14:927-939.
198. Oostwoud Wijdenes, D., Poesen, J., Vandekerckhove, L. and de Luna, E. 2000. The effect of tillage on the redistribution of rock fragments in Mediterranean topsoils. In Balabanis, P., Denis, P., Ghazi, A. and Tsogas, M. (eds.) *Mediterranean Desertification: Research results and policy implications*. European Commission, D.G. Research, EUR 19303: 253-264. (ISBN 92-828-8128-8).
199. Danalatos, N.G., Kosmas, C.S., van Wesemael, B. and Poesen, J. 2000. The effect of rock fragments on runoff, erosion, soil moisture conservation and biomass production. In Balabanis, P., Denis, P., Ghazi, A. and Tsogas, M. (eds.) *Mediterranean Desertification: Research results and policy implications*. European Commission, D.G. Research, EUR 19303:213-224. (ISBN 92-828-8128-8).
200. Goossens, D., Poesen, J., Gross, J. and Spaan, W. 2000. Splash drift on light sandy soils: a field experiment. *Agronomie* 20 (3):271-282.
201. Gillijns, K., Poesen, J. and Deckers, J. 2000. Kenmerken en ontstaan van gesloten depressies in Midden-België. *De Horen, Tervuren-Duisburg-Vossem-Moorsel-Leefdaal*. Driemaandelijks ledenblad van de koninklijke heemkundige kring "Sint-Hubertus" 27 (1):12-27.
202. Verstraeten, G. and Poesen, J. 2000. Estimating trap efficiency of small reservoirs and ponds: methods and implications for the assessment of sediment yield. *Progress in Physical Geography* 24 (2):219-251.
203. Steegen, A., Govers, G., Nachtergael, J., Takken, I., Beuselinck, L. and Poesen, J. 2000. Sediment export by water from an agricultural catchment in the loam belt of central Belgium. *Geomorphology* 33:25-36.
204. Vandekerckhove, L., Poesen, J., Oostwoud Wijdenes, D., Gyssels, G., Beuselinck, L. de Luna, E. 2000. Characteristics and controlling factors of bank gullies in two semi-arid Mediterranean environments. *Geomorphology* 33:37-58.
205. Nyssen, J., Mitiku, H., Moeyersons, J., Poesen, J. and Deckers, J. 2000. Soil and water conservation in Tigray (Northern Ethiopia): the traditional Daget technique and its integration with introduced techniques. *Land Degradation and Development* 11 (3):199-208.
206. Beuselinck, L., Govers, G., Steegen, A. and Poesen, J. 2000. Impact of soil aggregates on the size selectivity of the sediment deposition process. *IAHS Publ.* 263:99-107.

207. Verstraeten, G. and Poesen, J. 2000. Assessment of sediment-fixed nutrient export from small drainage basins in central Belgium using retention ponds. IAHS Publ. 263:243-249.
208. van Wesemael, B., Mulligan, M. and Poesen, J. 2000. Spatial patterns of soil water balance on intensively cultivated hillslopes in a semi-arid environment: the impact of rock fragments and soil thickness. *Hydrological Processes* 14:1811-1828.
209. Nyssen, J., Moeyersons, J., Deckers, J., Mitiku, H. and Poesen, J. 2000. Vertic movements and the development of stone covers and gullies, Tigray Highlands, Ethiopia. *Zeitschrift Für Geomorphologie* 44(2):145-164.
210. Poesen, J., Govers, G. and Deckers, J. 2000. Historical and present-day soil erosion processes in central Belgium. In Verstraten, G. (ed.), Annual Excursion Belgian Soil Science Society, Pedologie – Themata 2000, 9:104 pp.
211. Bochet, E., Poesen, J. and Rubio, J.L. 2000. Mound development as an interaction of individual plants with soil, water erosion and sedimentation processes on slopes. *Earth Surface Processes and Landforms* 25:847-867.
212. Verstraeten, J. and Poesen, J. 2000. Muddy floods, retention pond sedimentation and sediment delivery to watercourses in Flanders. In Gabriels, D. and Schiettecatte, W. (eds.) Proceedings of the Contactgroup Erosion, 11 March, 1999, International Center for Eremology, Ghent University, Belgium, I.C.E. Special report 2/2000:19-29.
213. Nachtergaele, J. and Poesen, J. 2000. EGEM, a potential prediction tool for soil losses by ephemeral gully erosion in the Belgian loess belt? In Gabriels, D. and Schiettecatte, W. (eds.) Proceedings of the Contactgroup Erosion, 11 March, 1999, International Center for Eremology, Ghent University, Belgium, I.C.E. Special report 2/2000:55-60.
214. Salles, C., Poesen, J. and Govers, G. 2000. Statistical and physical analysis of soil detachment by raindrop impact: rain erosivity indices and threshold energy. *Water Resources Research* 36 (9):2721-2729.
215. Oostwoud Wijdenes, D.J., Poesen, J., Vandekerckhove, L. and Kosmas, C. 2000. The use of marked rock fragments as tracers to assess rock fragments transported by sheep trampling on Lesvos, Greece. In Foster, I.D.L. (ed.) *Tracers in Geomorphology*, Wiley, Chichester, U.K., 201-220 (ISBN 0 471 89602-0).
216. Govers, G. and Poesen, J. 2000. Bodemerosie in Vlaanderen. Technologisch Instituut, Genootschap Land, Natuur en Water, Antwerpen, 1-18.
217. Vandekerckhove, L., Poesen, J., Oostwoud Wijdenes, D., Nachtergaele, J., Kosmas, C., Roxo, M.J., De Figueiredo, T. 2000. Thresholds for gully initiation and sedimentation in Mediterranean Europe. *Earth Surface Processes and Landforms* 25:1201-1220.
218. Van Rompaey, A., Govers, G., Van Oost, K., Van Muysen, W. and Poesen, J. 2000. Bodemerosiesnelheden op landbouwpercelen in Vlaanderen. Rapport bij de kaartbladen watererosie, bewerkingserosie en totale erosie per landbouwperceel (1:150 000). In opdracht van Ministerie van de Vlaamse Gemeenschap – Afdeling Land, Brussel, 19 p.
219. Nyssen, J., Poesen, J., Mitiku Haile, Moeyersons, J. and Deckers, J. 2000. Tillage erosion on slopes with soil conservation structures in the Ethiopian highlands. *Soil and Tillage Research* 57: 115-127.
220. Verstraeten, G., Poesen, J., Govers, G. and Steegen, A. 2000. The off-site impacts of soil erosion by water in central Belgium. *Belgeo* 1-2-3-4: 227-240.
221. Vanacker, V., Govers, G., Tacuri, E., Poesen, J., Dercon, G. and Cisneros, F. 2000. Using sequential aerial photographs to detect land-use changes in the Austro Ecuatoriano. *Revue de Géographie Alpine* 3:65-75.

222. De Weerdt, B., Poesen, J., Muys, B. and Vandekerckhove, L. 2000. Achteruitschrijdingssnelheden van ravijnhoofden in Zuidoost-Spanje: een dendrogeomorfologisch onderzoek. *De Aardrijkskunde* 24(1-2):47-57.
223. Gillijns, K., Poesen, J. and Deckers, J. 2000. Kenmerken en genese van gesloten depressies in Midden-België. *De Aardrijkskunde* 24(1-2):59-69.
224. Six, S., Poesen, J. and van Wesemael, B. 2000. Bewerkingserosie in Zuidoost-Spanje: resultaten van een ploegexperiment op lange termijn. *De Aardrijkskunde* 24(3):3-12.
225. Tierens, N., Poesen, J. and Oostwoud Wijdenes, D. 2000. Bermravijnen langs de Rambla Torrealvilla (Zuidoost-Spanje). *De Aardrijkskunde* 24(3):13-22.
226. Vanpaemel, L., Poesen, J. and Vanmaercke-Gottigny, M.C. 2000. Massatransport in de Vlaamse Ardennen: ruimtelijke en temporele dynamiek. *De Aardrijkskunde* 24(3):51-60.
227. Verstraeten, G. and Poesen, J. 2000. Modderoverlast, sedimentatie in wachtkbekkens en begroting van de sedimentexport naar waterlopen in Midden-België. *Polders en Wateringen* 17 (37) december 2000:12-15.
228. Poesen, J. 2000. Criteria and instruments to control soil erosion. In Enne, G., Zanolla, Ch. and Peter, D. (eds.) *Desertification in Europe: mitigation strategies, land-use planning*. European Commission, Luxembourg, EUR 19390 (ISBN 92-828-9003-1):86-95.
229. Ghesquiere, M., Oostwoud Wijdenes, D.J., Poesen, J. and Vandekerckhove, L. 2000. The spatial distribution and activity of gully heads along the Rambla Salada (SE Spain). In Enne, G., Zanolla, Ch. and Peter, D. (eds.) *Desertification in Europe: mitigation strategies, land-use planning*. European Commission, Luxembourg, EUR 19390 (ISBN 92-828-9003-1):329-341.
230. Poesen, J., Turkelboom, F., Ohler, I., Ongprasert, A.S. and Vlassak, K. 2000. Tillage erosion in Northern Thailand: Intensities and implications. *Meded. Zitt. K. Acad. Overzeese Wet.* 46(2000-4):489-512.
231. Mitiku Haile, Nyssen, J., Poesen, J., Deckers, J. and Moeyersons, J. 2000. The effect of stone removal on soil loss and yield, Dogua Tembien, Tigray, Ethiopia. In: Wondimagen Chekol and Engida Mersha (eds.), Proc. Fifth Conf. of the Ethiopian Society of Soil Science, March 30-31 2000, Ethiopian Society of Soil Science (publisher), Addis Ababa: 107-123.
232. Nyssen, J., Moeyersons, J., Mitiku Haile, Deckers, J. and Poesen, J. 2000. The effect of stone removal in valley Vertisol areas in the northern Ethiopian highlands and scope for remedial measures. In: Wondimagen Chekol and Engida Mersha (eds.), Proc. Fifth Conf. of the Ethiopian Society of Soil Science, March 30-31 2000, Ethiopian Society of Soil Science (publisher), Addis Ababa:125-143.
233. Isabirye, M., Magunda, M.K., Deckers, J., Poesen, J. and Ssali, C.K. 2000 Land use and cover reconstruction: a case of Kakuuto and Bunha Counties in Uganda. In Mureithi, J.G., Macharia, P.N., Gichuru, M., Mburu, M., Mugendi, D.N. and Gachene, C.K.K. (eds.) Sustainable use of land resources to alleviate poverty in the new millennium. The Soil Science Society of East Africa, Proceedings of the 18 th Conference and end of the millenium celebrations, 4-8 Dec 2000, Mombasa, Kenya:411-421.
234. Poesen, J.W.A., Verstraeten, G., Soenens, R. and Seynaeve, L. 2001. Soil losses due to harvesting of chicory roots and sugar beet: an underrated geomorphic process? *Catena* 43 (1):35-47.
235. Verstraeten, G., Van Rompaey, A., Poesen, J. and Govers, G. 2001. Solving the off-site impacts of soil erosion by an integrated environmental watershed management. In Ascough II, J.C. and Flanagan, D.C. (ed.) *Soil Erosion Research for the 21st century*. ASAE publ. 701P0007, ISBN 1-892769-16-6, Am. Soc. Agr. Engngs., St. Joseph, Michigan, USA, 645-648.
236. Govers, G., Van Rompaey, A., Verstraeten, G., Van Oost, K., Takken, I., Beuselinck, L. and Poesen, J. 2001. Erosion by water: processes, modelling and control. Keynote lecture. In Flanagan, D.C. and Ascough II, J.C. (CD-ROM editors). *Soil Erosion Research for the 21st century*. Papers presented at the international conference in Honolulu, Hawaii, USA, 3-5 January 2001. ASAE publication 701P0006/7CD, Am. Soc. Agr. Engngs., St. Joseph, Michigan, USA.

237. Verstraeten, J. and Poesen, J. 2001. The importance of sediment characteristics and trap efficiency in assessing sediment yield using retention ponds. *Phys. Chem. Earth (B)* 26(1):83-87.
238. Nachtergaele, J., Poesen, J., Vandekerckhove, L., Oostwoud Wijdenes, D. and Roxo, M. 2001. Testing the ephemeral gully erosion model (EGEM) for two Mediterranean environments. *Earth Surface Processes and Landforms* 26:17-30.
239. Borselli, L., Torri, D., Poesen, J. and Sanchis, P.S. 2001. Effects of water quality on infiltration, runoff and interrill erosion processes during simulated rainfall. *Earth Surface Processes and Landforms* 26:329-342.
240. Verstraeten, G. and Poesen, J. 2001. Collecting sediment yield data from sediment deposits in small ponds: possibilities and limitations. In Subcommittee on Sedimentation (Ed.). *Sedimentation: Monitoring, Modeling, and Managing. Proceedings of the Seventh Federal Interagency Sedimentation Conference*, March 25-29, 2001, Reno, Nevada, USA, IX-47 - IX-54.
241. Kosmas, C., Marathianou, M., Gerontidis, St., Detsis, V., Tsara, M. and Poesen, J. 2001. Parameters affecting water vapor adsorption by the soil under semi-arid climatic conditions. *Agricultural Water Management* 48:61-78.
242. Verstraeten, G. and Poesen, J. 2001. Variability of dry sediment bulk density between and within retention ponds and its impact on the calculation of sediment yields. *Earth Surface Processes and Landforms* 26:375-394.
243. Vandekerckhove, L., Poesen, J., Oostwoud Wijdenes, D. and Gyssels, G. 2001. Short-term bank gully retreat rates in Mediterranean environments. *Catena* 44:133-161.
244. Berlamont, J. and Poesen, J. 2001. Water- en modderellende in Sint-Truiden: oorzaken en oplossingen. Rapport in opdracht van de Rechtbank van eerste Aanleg te Hasselt. 22 pp.
245. Salles, C. and Poesen, J. 2001. Reply to comment on 'Rain properties controlling soil splash detachment' by P.I.A. Kinnell. *Hydrological Processes* 15:1527-1528.
246. Dercon, G., Tacuri, E., Sánchez, H., Loaiza, G., Poesen, J.; Govers, G. and Deckers, J. 2001. Herramientas de planificación, capacitación y discusión en el manejo del agua y del suelo: nexo entre la investigación sistemática y la comunidad rural. *Aqua, Suelo, Tecnologías. Anales, University of Cuenca, Cuenca, Ecuador*. 2:57-72.
247. Dercon, G., Govers, G., Poesen, J., Rombaut, K., Vandenberghe, E., Sánchez, H., Loaiza, G. and Deckers, J. 2001. Animal powered tillage erosion assessment in the Austro Ecuatoriano (case-study: Gima). *Aqua, Suelo, Tecnologías. Anales, University of Cuenca, Cuenca, Ecuador*. 2:73-90.
248. Vanacker, V., Govers, G., Tacuri, E., Poesen, J., Dercon, G. and Deckers, J. 2001. Utilización de fotografías aéreas secuenciales para detectar cambios del uso de la tierra en el Austro Ecuatoriano. *Aqua, Suelo, Tecnologías. Anales, University of Cuenca, Cuenca, Ecuador*. 2:91-102.
249. Kirkby, M., Auzet, A.V., Poesen, J., Valentin, C., Baade, J., Rekolainen, S. and Boardman, J. 2001. Soil Erosion and Global Change, COST action 623. Mid-term evaluation report. May 2001, 24 pp.
250. Vandekerckhove, L., Muys, B., Poesen, J., De Weerdt, B., Coppé, N. 2001. A method for dendrochronological assessment of medium-term gully erosion rates. *Catena* 45:123-161.
251. Takken, I., Govers, G., Jetten, V., Nachtergaele, J., Steegen, A. and Poesen, J. 2001. Effects of tillage on runoff and erosion patterns. *Soil and Tillage Research* 61:55-60.
252. Verstraeten, G. and Poesen, J. 2001. Factors controlling sediment yield from small intensively cultivated catchments in a temperate humid climate. *Geomorphology* 40:123-144.

253. Steegen, A., Govers, G., Takken, I., Nachtergael, J., Poesen, J. and Merckx, R. 2001. Factors controlling sediment and phosphorus export from two Belgian agricultural catchments. *J. Environmental Quality* 30:1249-1258.
254. Gyssels, G., Poesen, J., Nachtergael, J. and Govers, G. 2001. Sowing density of small grains: implications for controlling concentrated flow erosion. In Helming, K. (ed.) *Multidisciplinary Approaches to Soil Conservation Strategies*. Proc. International Symposium, Müncheberg, Germany, 11-13 May 2001, ZALF-Berichte 47:41-46.
255. Nyssen, J., Mitiku Haile, Poesen, J., Deckers, J. and Moeyersons, J. 2001. Removal of rock fragments and its effect on soil loss and crop yield, Tigray, Ethiopia. *Soil Use and Management* 17:179-187.
256. Nyssen, J., Poesen, J., Mitiku Haile, Lavrysen, E., Deckers, J. and Moeyersons, J. 2001. Pedoturbation, slope processes and the distribution of rock fragments in cultivated soils in the Tembien Highlands, Ethiopia. *Ethiopian Journal of Natural Resources* 3(1):147-159.
257. Nachtergael, J., Poesen, J., Steegen, A., Takken, I., Beuselinck, L., Vandekerckhove, L. and Govers, G. 2001. The value of a physically based model versus an empirical approach in the prediction of ephemeral gully erosion for loess-derived soils. *Geomorphology* 40:237-252.
258. Van Rompaey, A., Verstraeten, G., Van Oost, K., Govers, G. and Poesen, J. 2001. Modelling mean annual sediment yield using a distributed approach. *Earth Surface Processes and Landforms* 26:1221-1236
259. Salles, C. and Poesen, J. 2001. Reply to comment on 'Rain properties controlling soil splash detachment' by P.I.A. Kinnell. *Hydrological Processes* 15:1527-1528.
260. Verstraeten, G. and Poesen, J. 2001. Modelling the long-term sediment trap efficiency of small ponds. *Hydrological Processes* 15:2797-2819.
261. Dercon, G., Deckers, J., Poesen, J. and Govers, G. 2001. 3-D education, discussion and planning tools for agricultural systems at multiple scales in mountain areas. A bridge between system research and rural communities in the Austro Ecuatoriano. *The Land*, 5.1:31-50.
262. Jacobs, P. and Poesen, J. 2001. The 'Sediment Transport and Watershed Management Component' of the FRIEND-NILE Project: a Flemish UNESCO Trust Fund Initiative. Proc. International Workshop on Sediment Transport and Watershed Management, 21 November 2001, UNESCO chair of Water Resources, Khartoum, Sudan, 4 p.
263. Poesen, J. and Nachtergael, J. 2001. MWISED: Modelling within-storm soil erosion dynamics. Final report (1/4/1998 - 30/6/2001) contract ENV4-CT97-687, European Commission, 30 p.
264. Gillijns, K., Rottiers, I., Govers, G., Poesen, J., Van Hecke, E., Gabriels, D. 2001. Reductie van sedimentaanvoer naar waterlopen vanuit landelijke gebieden: begroting en evaluatie van controlemaatregelen. Tussentijds rapport 2001. Beleidsgericht onderzoek uitgevoerd in opdracht van de Vlaamse Gemeenschap, 130 pp.
265. Verstraeten, G., Van Oost, K., Van Rompaey, A., Poesen, J. and Govers, G. 2001. Integraal land- en waterbeheer in landelijke gebieden met het oog op het beperken van bodemverlies en modderoverlast (proefproject gemeente Gingelom). Eindrapport in opdracht van het ministerie van de Vlaamse Gemeenschap - Afdeling Land, 64 pp.
266. Oostwoud Wijdenes, D.J., Poesen, J., Vandekerckhove, L. and Kosmas, C. 2001. Measurements at one-year interval of rock-fragment fluxes by sheep trampling on degraded rocky slopes in the Mediterranean. *Z. Geomorph. N.F.* 45:477-500.
267. Poesen, J., Verstraeten, G., Seynaeve, L. and Soenens, R. 2001. Soil losses caused by chicory root and sugar beet harvesting in Belgium: importance and implications. In Stott, D.E., Mohtar, R.H. and Steinhardt, G.C. (eds.) *Sustaining the Global Farm*. Selected papers from the 10<sup>th</sup> ISCO conference, May 24-29, 1999, West Lafayette, IN, USA. ISCO, USDA and Purdue University. CD-ROM, NSERL, West Lafayette:312-316.

268. Rieke-Zapp, D., Nearing, M.A. and Poesen, J. 2001. Rocks and rills: the impact of rock fragments on soil loss by concentrated flow erosion in laboratory experiments. In Stott, D.E., Mohtar, R.H. and Steinhardt, G.C. (eds.) *Sustaining the Global Farm. Selected papers from the 10<sup>th</sup> ISCO conference, May 24-29, 1999, West Lafayette, IN, USA.* ISCO, USDA and Purdue University. CD-ROM, NSERL, West Lafayette:796-802.
269. Salles, C., Poesen, J. and Govers, G. 2001. A comparison of rain erosivity parameters for predicting soil detachment on interrills. In Stott, D.E., Mohtar, R.H. and Steinhardt, G.C. (eds.) *Sustaining the Global Farm. Selected papers from the 10<sup>th</sup> ISCO conference, May 24-29, 1999, West Lafayette, IN, USA.* ISCO, USDA and Purdue University. CD-ROM, NSERL, West Lafayette:834-837.
270. Nachtergael, J., Poesen, J., Vandekerckhove, L., Oostwoud Wijdenes, D. and Roxo, M. 2001. Testing the ephemeral gully erosion model (EGEM) in mediterranean environments. In Stott, D.E., Mohtar, R.H. and Steinhardt, G.C. (eds.) *Sustaining the Global Farm. Selected papers from the 10<sup>th</sup> ISCO conference, May 24-29, 1999, West Lafayette, IN, USA.* ISCO, USDA and Purdue University. CD-ROM, NSERL, West Lafayette:1024-1028.
271. van Wesemael, B., Mulligan, M. and Poesen, J. 2001. Spatial patterns in water use efficiency created by intensive cultivation on semi-arid hillslopes. In Stott, D.E., Mohtar, R.H. and Steinhardt, G.C. (eds.) *Sustaining the Global Farm. Selected papers from the 10<sup>th</sup> ISCO conference, May 24-29, 1999, West Lafayette, IN, USA.* ISCO, USDA and Purdue University. CD-ROM, NSERL, West Lafayette:1128-1133.
272. Nyssen, J., Mitiku Haile, Moeyersons, J., Poesen, J. and Deckers, J. 2001. Les Daget: une technique traditionnelle de conservation des sols et de l'eau au Tigré (Nord de l'Ethiopie) et son intégration avec la technologie introduite. In Bart, F., Morin, S., Salomon, J.-N. (eds.) *Les Montagnes Tropicales - identités, mutations, développement.* Centre de Recherches sur les Espaces Tropicaux, Université Michel de Montaigne-Bordeaux 3, ISBN: 2-906621-30-7. *Espaces Tropicaux* 16:301-313.
273. Auzet, A.V., Poesen, J. and Valentin, C. 2002. Soil patterns as a key controlling factor of soil erosion by water. *Catena* 46(2-3):85-87.
274. Van Rompaey, A., Verstraeten, G., Van Oost, K., Rozanov, A., Govers, G. and Poesen, J. 2002. Modelling sediment transport in the Jonkershoek catchment: Part 1: Model Calibration and Validation. In Govers, G., Van Meirvenne, M., Poesen, J., Gabriels, D., Rozanov, A., Laker, M.C. and Van Oost, K. (Eds.). *Cartographic Modeling of Land Degradation. Proceedings of a workshop held in Ghent (September 2001) in the framework of the Bilateral Co-operation between Flanders and South-Africa.* (Ministry of the Flemish Community (Belgium) and Foundation for Research Development (South Africa). K.U.Leuven: 75-89.
275. Verstraeten, G., Van Rompaey, A., Van Oost, K., Rozanov, A., Poesen, J. and Govers, G. 2002. Modelling sediment transport in the Jonkershoek catchment: Part 2: Evaluating the impact of possible land use changes on sediment delivery to the eerste Rivier and the Jonkershoek reservoir. In Govers, G., Van Meirvenne, M., Poesen, J., Gabriels, D., Rozanov, A., Laker, M.C. and Van Oost, K. (Eds.). *Cartographic Modeling of Land Degradation. Proceedings of a workshop held in Ghent (September 2001) in the framework of the Bilateral Co-operation between Flanders and South-Africa.* (Ministry of the Flemish Community (Belgium) and Foundation for Research Development (South Africa). K.U.Leuven: 91-99.
276. Vandenreyken, H., Poesen, J., Moeyersons, J., Nyssen, J. 2002. Ruimtelijke en temporele variaties van neerslag en zijn erosiviteit in een tropisch berggebied in Noord-Ethiopië. *De Aardrijkskunde* 25(4):13-24.
277. Vanderschaeghe, M., Vanacker, V., Govers, G. Poesen, J. 2002. Typering en modellering van massatransport in een klein bekken van de Hoge Ecuadoriaanse Andes (Sta. Ana, Cuenca, Ecuador). *De Aardrijkskunde* 25(4):25-35.
278. Veyret-Picot, M., Poesen, J., Nyssen, J., Moeyersons, J. 2002. Ravijnontwikkeling en -erosiecontrolemaatregelen in een tropisch bergrivierbekken, Tigray, Ethiopië. *De Aardrijkskunde* 25(4):59-71.
279. Torri, D., Poesen, J. and Borselli, D. 2002. Corrigendum to "Predictability and uncertainty of the soil erodibility factor using a global dataset" (*Catena* 31 (1997) 1-22) and to "Erratum to Predictability and

uncertainty of the soil erodibility factor using a global dataset" (*Catena* 31 (1998) 307-308). *Catena* 46:309-310.

280. Salles, C., Poesen, J., Sempere-Torres, D. 2002. Kinetic energy of rain and its functional relationship with intensity. *Journal of Hydrology* 257:256-270.

281 Nyssen, J., Poesen, J., Moeyersons, J., Lavrysen, E., Haile, M., Deckers, J. 2002. Spatial distribution of rock fragments in cultivated soils in northern Ethiopia as affected by lateral and vertical displacement processes. *Geomorphology* 43:1-16.

282 Gillijns, K., Govers, G., Poesen, J. and Van Hecke, E. 2002. Minimale bodembewerking in de strijd tegen erosie. In *Proefveldresultaten 2001. Suikerbieten, Cichorei en Aardappelen*. Studiedag Akkerbouw 22 januari 2002. Ministerie van de Vlaamse Gemeenschap, Dienst Ontwikkeling - Plantaardige Productie: 20 - 25.

283 Gyssels, G., Poesen, J., Nachtergael, J. and Govers, G. 2002. The impact of sowing density of small grains on rill and ephemeral gully erosion in concentrated flow zones. *Soil and Tillage Research* 64(3-4):189-201.

284 Poesen, J., Vandekerckhove, L., Nachtergael, J., Oostwoud Wijdenes, D., Verstraeten, G., van Wesemael, B. 2002. Gully erosion in dryland environments. In Bull, L.J. and Kirkby, M.J. (eds.) *Dryland Rivers: Hydrology and Geomorphology of Semi-arid Channels*. Wiley, Chichester, U.K. (ISBN 0-471-49123-3): 229-262.

285 Verstraeten, G. and Poesen, J. 2002. Regional scale variability in sediment and nutrient delivery from small agricultural watersheds. *J. Environmental Quality* 31:870-879.

286 Bochet, E., Poesen, J. and Rubio, J.L. 2002. Influence of plant morphology on splash erosion in a Mediterranean matorral. *Zeitschrift für Geomorphologie*, 46(2):223-243.

287 Gyssels, G., Poesen, J. and Govers, G. 2002. Reducing concentrated flow erosion in arable fields by double sowing of small grains. In Juren, J. (ed.). *Sustainable Utilization of Global Soil and Water Resources. Technology and Method of Soil and Water Conservation*. Proc. 12<sup>th</sup> International Soil Conservation Organization Conference, May 26-31, 2002, Beijing, China, Tsinghua University Press, Beijing, ISBN: 7-302-05524-6/TV.38. Vol. III:46-51.

288. Valentin, C., Boardman, J., Favis-Mortlock, D., Ingram, J., Kirkby, M., Nearing, M., Poesen, J. and Zobeck, T. 2002. The GCTE Soil Erosion Network. In Juren, J. (ed.). *Sustainable Utilization of Global Soil and Water Resources. Process of Soil Erosion and its Environment Effect*. Proc. 12<sup>th</sup> International Soil Conservation Organization Conference, May 26-31, 2002, Beijing, China, Tsinghua University Press, Beijing, ISBN: 7-302-05524-6/TV.38. Vol. II:299-305.

289. Torri, D., Borselli, L., Poesen, J., Nachtergael, J., Morgan, R., Quinton, J., Albaladejo, J., Castillo, V., Mena, M., Sardo, V., Strauss, P., Bazoffi, P., Pelligrini, S. and Jetten, V. 2002. Modelling within-storm erosion dynamics (MWISED). *ESSC Newsletter* 1/2002: 4-8.

290. Buytaert, W., Deckers, J., Dercon, G., De Bievre, B., Poesen, J. and Govers, G. 2002. Impact of land use changes on the hydrological properties of volcanic ash soils in south Ecuador. *Soil Use and Management* 18 (2):94-100.

291. Nachtergael, J., Poesen, J., Oostwoud Wijdenes, D. and Vandekerckhove, L. 2002. Medium-term evolution of a gully developed in a loess-derived soil. *Geomorphology* 46 (3-4):223-239.

292. Nachtergael, J., Poesen, J., Sidorchuk, A., Torri, D. 2002. Prediction of concentrated flow width in ephemeral gully channels. *Hydrological Processes* 16(10):1935-1953.

293. van Wesemael, B., Poesen, J., Kosmas, C., Danalatos, N.G. and Nachtergael, J. 2002. The impact of rock fragments on soil degradation and water conservation. In Geeson, N.A., Brandt, C.J. and Thornes, J.B. (eds.). *Mediterranean Desertification: A mosaic of Processes and Responses*. John Wiley, Chichester, U.K., ISBN: 0-470-84448-5: 131-145.

294. Nachtergaele, J. and Poesen, J. 2002. Spatial and temporal variations in resistance of loess-derived soils to ephemeral gully erosion. *European Journal of Soil Science* 53(3):449-464.
295. Verstraeten, G., Van Rompaey, A., Van Oost, K., Govers, G., Poesen, J. and Stalpaert, L. 2002. Kwaliteit bodem: erosie. Hoofdstuk 2.21. In MIRA-T 2002Milieu- en natuurrapport Vlaanderen. Vlaamse Milieumaatschappij. Garant Uitgevers nv., Antwerpen, België ISBN 90 4411 354 3:309-316.
296. Nyssen, J., Poesen, J., Moeyersons, J., Luyten, E., Veyret-Picot, M., Deckers, J., Mitiku Haile, Govers, G. 2002. Impact of road building on gully erosion risk: a case study from the northern Ethiopian highlands. *Earth Surface Processes and Landforms* 27(12):1267-1283.
297. Nyssen, J., Moeyersons, J., Poesen, J., Deckers, J., Mitiku Haile, 2003. The environmental significance of the remobilization of ancient mass movements in the Atbara-Tekeze headwaters, Northern Ethiopia. *Geomorphology* 49(3-4):303-322.
298. Nyssen, J., Moeyersons, J., Mitiku, H., Poesen, J. and Deckers, J. 2002. Erosion processes and soil and water conservation in the Tigray Highlands. In Dramis, F., Molin, P., Cipolloni, C. and Fubelli, G. (eds.) *Geomorphology of the Northern Ethiopian Highlands. Post-Symposium Field Trip (11-16 December 2002)*. IAG International Symposium "Climate Changes, Active Tectonics and Related Geomorphic Effects in High Mountain Belts and Plateaux", Addis Ababa, 9-10 December:19-46.
299. Beuselinck, L., Hairsine, P.B., Govers, G. and Poesen, J. 2002. Evaluating a single-class net deposition equation in overland flow conditions. *Water Resources Research* 38(7):15-1 - 15-10.
300. Verstraeten, G. and Poesen, J. 2002. Using sediment deposits in small ponds to quantify sediment yield from small catchments: possibilities and limitations. *Earth Surface Processes and Landforms* 27:1425-1439.
301. Verstraeten, G., Van Oost, K., Van Rompaey, A., Poesen, J. and Govers, G. 2002. Evaluating an integrated approach to catchment management to reduce soil loss and sediment pollution through modelling. *Soil Use and Management* 18:386-394.
302. Nachtergaele, J., Poesen, J. and Govers, G. 2002. Ephemeral gullies. A spatial and temporal analysis of their characteristics, importance and prediction. *Belgeo* 2:159-181.
303. Nyssen, J., Moeyersons, J., Poesen, J., Mitiku Haile, Deckers, J. 2002. Argillipedoturbation and the development of rock fragment covers on vertisols in the Ethiopian Highlands. *Belgeo* 2:183-193.
304. Salles, C., Poesen, J. and Govers, G. 2002. Reply to comment on "Statistical and physical analysis of soil detachment by raindrop impact: Rain erosivity indices and threshold energy" by M. Styczen. *Water Resources Research* 38(12): 3-1 - 3-2.
305. van Wesemael, B., Rambaud, X. and Poesen, J. 2002. Soil degradation induced by intensive cultivation of marginal soils in southeast Spain. In Faz Cano, A., Ortiz Silla, R. and Mermut, A.R. (eds.). *Sustainable use and management of soils in arid and semiarid regions. Vol. II*, Quaderna Editorial, Spain, ISBN 84-95383-23-3, 354-355.
- 306: Poesen, J. and Valentin, C. 2003. Gully Erosion and Global Change. Preface. *Catena* 50(2-4):87-89.
307. Poesen, J., Nachtergaele, J., Verstraeten, G. and Valentin, C. 2003. Gully erosion and environmental change: importance and research needs. *Catena* 50(2-4):91-133.
308. Vandekerckhove, L., Poesen, J. and Govers, G. 2003. Medium-term gully headcut retreat rates in Southeast Spain determined from aerial photographs and ground measurements. *Catena* 50(2-4):329-352.
309. Kirkby, M.J., Bull, L.J., Poesen, J., Nachtergaele, J. and Vandekerckhove, L. 2003. Observed and modelled distributions of channel and gully heads - with examples from SE Spain and Belgium. *Catena* 50(2-4):415-434.

310. Vanacker, V., Govers, G., Poesen, J., Deckers, J., Dercon, G. and Loaiza, G. 2003. The impact of environmental change on the intensity and spatial pattern of water erosion in a semi-arid mountainous environment. *Catena* 51:329-347.
311. Boardman, J., Poesen, J. and Evans, R. 2003. Socio-economic factors in soil erosion and conservation. *Environmental Science and Policy* 6:1-6.
312. Verstraeten, G., Poesen, J., Govers, G., Gillijns, K., Van Rompaey, A. and Van Oost, K. 2003. Integrating science, policy and farmers to reduce soil loss and sediment delivery in Flanders, Belgium. *Environmental Science and Policy* 6:95-103.
313. Verstraeten, G., Poesen, J., de Vente, J. and Koninckx, X. 2003. Sediment yield variability in Spain: a quantitative and semiqualitative analysis using reservoir sedimentation rates. *Geomorphology* 50:327-348.
314. Li, Y., Poesen, J., Yang, J.C., Fu, B., Zhang, J.H. 2003. Evaluating gully erosion using  $^{137}\text{Cs}$  and  $^{210}\text{Pb}/^{137}\text{Cs}$  ratio in a reservoir catchment. *Soil and Tillage Research* 69:107-115.
315. Van Oost, K., Van Muysen, W., Govers, G., Heckrath, G., Quine, T.A. and Poesen, J. 2003. Simulation of the redistribution of soil by tillage on complex topographies. *European Journal of Soil Science* 54 (1):63-76.
316. Vanacker, V., Govers, G., Barros, S., Poesen, J. and Deckers, J. 2003. The effect of short-term socio-economic and demographic change on landuse dynamics and its corresponding geomorphic response with relation to water erosion in a tropical mountainous catchment, Ecuador. *Landscape Ecology*. *Landscape Ecology*: 18:1-15.
317. Gyssels, G. and Poesen, J. 2003. The importance of plant root characteristics in controlling concentrated flow erosion rates. *Earth Surface Processes and Landforms* 28:371-384.
318. Vanacker, V., Vanderschaeghe, M., Govers, G., Willems, E., Poesen, J. Deckers, J. 2003. Linking hydrological, infinite slope stability and land use change models through GIS for assessing the impact of deforestation on landslide susceptibility in High Andean watersheds. *Geomorphology*: 52:299-315.
319. Dercon, G., Deckers, J., Govers, G., Poesen, J., Sanchez, H., Vanegast, R., Ramirez, M., Loaiza, G. & De Bievre B. 2003. Spatial variability in soil properties on slow-forming terraces in the Andes region of Ecuador. *Soil and Tillage Research* 72:31-41.
320. Van Rompaey, A., Vieillefont, V., Jones, R., Montanarella, L., Verstraeten, G., Bazoffi, P., Dostal, T., Krasa, J., de Vente, J. and Poesen, J. 2003. Validation of soil erosion estimates at European scale. European Soil Bureau Research Report No13, EUR 20827 EN, 26 pp., Office for Official Publications of the European Communities, Luxembourg.
321. Nyssen, J., Mitiku Haile, Descheemaeker, K., Deckers, J., Poesen, J., Moeyersons, J., Trufat Hailemariam, 2003. Promoting global watershed management towards rural communities: the May Zeg-zeg initiative. In: McCormick, P., Kamara, A., Girma Tadesse (eds.), Integrated water and land management research and capacity building priorities for Ethiopia. Proceedings of a MoWR/EARO/IWMI/ILRI international workshop, held at ILRI, Addis Ababa, Ethiopia, 2-4 December 2002. IWMI (International Water Management Institute), Colombo, Sri Lanka, and ILRI (International Livestock Research Institute), Nairobi, Kenya: 192-195.
322. Verstraeten, G., Van Rompaey, A., Poesen, J., Van Oost, K. and Govers, G. 2003. Evaluating the impact of watershed management scenarios on changes in sediment delivery to rivers? *Hydrobiologia* 494 (1-3):153-158.
323. Van Den Eeckhaut, M., Poesen, J., Vanmaercke-Gottigny, M.C., De Bo, H. and Ost, L. 2003. Characteristics, controlling factors and history of the Hekkebrugstraat landslide (Leupegem, Oudenaarde). In Schietecatte, W., Gabriels, D., Verbist, K. and Oltenfreiter, G. (Eds.). 25 Years of Assessment of Erosion. Excursion Guide 24 september 2003, International Symposium, U. Gent, Belgium:35-55.

324. Ost, L., Van Den Eeckhaut, M., Poesen, J. and Vanmaercke-Gottigny, M.C. 2003. Characteristics and spatial distribution of large landslides in the Flemish Ardennes. *Zeitschrift für Geomorphologie N.F.* 47 (3):329-350.
325. Vanwalleghem, T., Van Den Eeckhaut, M., Poesen, J., Deckers, J., Nachtergael, J., Van Oost, K. and Slenters, C. 2003. Characteristics and controlling factors of old gullies under forest in a temperate humid climate: a case study from the Meerdaal Forest (Central Belgium). *Geomorphology* 56(1-2):15-29.
326. Gillijns, K., Govers, G., Poesen, J., Mathijs, E. and Bielders, C. 2003. Bodemerosie. Project uitgevoerd in opdracht van het Koninklijk Instituut voor het Duurzaam Beheer van de Natuurlijke Rijkdommen en de Bevordering van Schone Technologie. 74 p.
327. Gillijns, K., Govers, G., Poesen, J., Mathijs, E. and Bielders, C. 2003. Erosion du sol. Rapport de project sous l'égide de l'Institut royal pour la Gestion durable des Ressources naturelles et la Promotion des Techniques propres.67 pp.
328. Gillijns, K., Poesen, J. and Deckers, J. 2003. Gesloten depressies in Vlaams-Brabant. BRAKONA jaarboek 2001. Vlaams-Brabantse Koepel voor Natuurstudie:10-17.
329. Vanwalleghem, T., Van Den Eeckhaut, M., Rommens, T., Poesen, J. and Deckers, J. 2003. Geomorfologische fenomenen in het Meerdaalwoud en het verband met vroeger landgebruik. In Historische en archeologische inzichten in Meerdaalwoud, Herfstboswandeling 9 november 2003. Ministerie van de Vlaamse gemeenschap, Afdeling Bos en Groen, Houtvesterij Leuven, 12 pp.
330. Van Den Eeckhaut, M., Poesen, J., Deckers, J. and Van Walleghem, T. 2003. Ravijnen onder bos: kenmerken en ontstaanswijzen. *De Aardrijkskunde* 27, 2003/3-4:87-98.
331. Verstraeten, G., Van Rompaey, A., Poesen, J., Van Oost, K., Govers, G. 2003. Kwaliteit bodem: Erosie. Hoofdstuk 2.20b. In MIRA-T 2003 Milieu- en natuurrapport Vlaanderen:thema's. Vlaamse Milieumaatschappij en Uitgeverij LannooCampus, Leuven, België, ISBN 90-209-5440-7 :345-355.
332. Van Rompaey, A., Govers, G., Verstraeten, G., Van Oost, K., Poesen, J. 2003. Modelling the geomorphic response to land use changes. In Lang, A., Hennrich, K., Dikau, R. (eds.). Long Term Hillslope and Fluvial System Modelling. Concepts and Case Studies from the Rhine River Catchment. Lecture Notes in Earth Sciences. Springer Berlin Heidelberg. ISBN 3-540-00982-5, 73 – 100.
333. Moeyersons, J., Nyssen, J., Poesen, J., Deckers, J., Mitiku Haile, Kabeta Kurkura, Govers, G., Descheemaeker, K., Nigussie Haregeweyn 2003. L'utilisation du sol, l'hydrologie et la désertification au Tigré, Ethiopie, depuis la fin du Pleistocène. *Geo-Eco-Trop* 27(1):1-8.
334. Jetten, V., Govers, G., Hessel, R., Poesen, J. and Nachtergael, J. 2003. Erosion models: Quality of spatial predictions. *Hydrological Processes*, 17(5):887-900. See also Erratum in *Hydrological Processes*, 18:595 (2004).
335. Verstraeten, G. and Poesen, J. 2004. Small-scale flooding and muddy floods as a geomorphological hazard in central Belgium: some financial consequences. In Casale, R. and Margottini, C. (eds.) Natural Disasters and Sustainable Development. Springer-Verlag Berlin Heidelberg, ISBN 3-540-42199-9: 363-372.
336. Govers, G., Poesen, J. and Goossens, D. 2004. Soil Erosion - Processes, Damages and Countermeasures. Chapter 12. In Schjønning, P., Elmholt, S. and Christensen, B.T. (eds.) Managing Soil Quality - Challenges in Modern Agriculture. Commonwealth Agricultural Bureau International, Oxon, Wallingford, UK, ISBN 0 85199 671 X : 199-217.
337. Nyssen, J., Poesen, J., Moeyersons, J., Deckers, J., Mitiku H. and Lang A. 2004. Human impact on the environment in the Ethiopian and Eritrean highlands – a state of the art. *Earth Science Reviews*, 64/3-4:273-320.
338. Martinez-Casasnovas, J.A., Ramos, M.C. and Poesen, J. 2004. Assessment of sidewall erosion in large gullies using multi-temporal DEMs and logistic regression analysis. *Geomorphology* 58:305-321.

339. Poesen, J. and Vandekerckhove, L. 2004. Assessment of gully headcut retreat rates in semi-arid environment over different timescales. In Li, Y., Poesen, J. and Valentin, C. (eds.) *Gully Erosion under Global Change*. Sichuan Science and Technology Press, Chengdu, China, ISBN 7 – 5364 – 5423 – 6: 29-56.
340. Li, Y., Poesen, J. and Fu, B. 2004. Evaluating gully erosion using  $^{137}\text{Cs}$  and  $^{210}\text{Pb}/^{137}\text{Cs}$  ratio in a reservoir catchment. In Li, Y., Poesen, J. and Valentin, C. (eds.) *Gully Erosion under Global Change*. Sichuan Science and Technology Press, Chengdu, China, ISBN 7 – 5364 – 5423 – 6: 57 – 70.
341. Vanwalleghem, T., Van den Eeckhaut, M., Poesen, J., Van Oost, K., and Deckers, J. 2004. Characteristics and location of old gullies under forest cover in Central Belgium. In Yong Li and Poesen, J. (eds.) *Gully Erosion under Global Change*. Sichuan Science and Technology Press, Chengdu, China, ISBN 7 – 5364 – 5423 – 6: 121 – 130.
342. Nyssen, J., Mitiku Haile, Moeyersons, J., Poesen, J., Deckers, J. 2004. Environmental policy in Ethiopia – a rejoinder to Keeley and Scoones. *Journal of Modern African Studies* 42:137-147.
343. Nyssen, J., Poesen, J., Moeyersons, J., Deckers, J. and Mitiku Haile 2004. Erosion et conservation des sols en montagne sahélienne: le cas de l'Ethiopie du Nord. *Sécheresse* 15(1):33- 39.
344. Nyssen, J., Veyret-Picot, M., Poesen, J., Moeyersons, J., Mitiku Haile, Deckers, J., Govers, G. 2004. The effectiveness of loose rock check dams for gully control in Tigray, northern Ethiopia. *Soil Use and Management* 20:55-64.
345. de Vente, J., Poesen, J. and Verstraeten, G. 2004. Evaluation of reservoir sedimentation as a methodology for sediment yield assessment in the Mediterranean: challenges and limitations. Briefing papers Second SCAPE workshop, Cinque Terre, Italy, 13-15 April: 139-145.
346. Van Den Eeckhaut, M. and Poesen, J. 2004. Voorkomen, oorzaken en gevolgen van massabewegingen in de Vlaamse Ardennen. In Technologisch Instituut, Grondmechanica and Funderingstechniek, "Bouwen op kleigronden: Altijd problemen?" Studiedag Ingenieurshuis – KVIV, Antwerpen, 11 mei 2004. 14 pp.
347. Gillijns, K., Verbist, K., Govers, G., Gabriels, D., Poesen, J. and Van Hecke, E. 2004. Minimale bodembewerking en grasbufferstroken – eindrapport februari 2004. Studie uitgevoerd in opdracht van het Ministerie van de Vlaamse Gemeenschap, AMINAL, Afdeling Water, 74 pp.
348. Gillijns, K., Verbist, K., Gabriels, D., Govers, G., Poesen, J. and Van hecke, E. 2004. Richtlijnenboek erosiebestrijdingsmaatregelen. Rapport. Studie uitgevoerd in opdracht van het Ministerie van de Vlaamse Gemeenschap, AMINAL, Afdeling Water, 140 pp.
349. Gillijns, K., Govers, G., Poesen, J., Van Hecke, E., Verbist, K. and Gabriels, D. 2004. Reductie van sedimentaanvoer naar waterlopen vanuit landelijke gebieden: begroting en evaluatie van controlemaatregelen. Minimale bodembewerking en grasbufferstroken. Eindrapport. Studie uitgevoerd in opdracht van het Ministerie van de Vlaamse Gemeenschap, AMINAL, Afdeling Water, 90 pp.
350. Gillijns, K., Verbist, K., Schiettecatte, W., Gabriels, D., Verstraeten, G., Van Oost, K., Van Rompaey, A., Govers, G., Poesen, J. and Van Hecke, E. 2004. Reductie van sedimentaanvoer naar waterlopen vanuit landelijke gebieden: begroting en evaluatie van controlemaatregelen. Reductieplan 2004. Eindrapport. Studie uitgevoerd in opdracht van het Ministerie van de Vlaamse Gemeenschap, AMINAL, Afdeling Water, 65 pp.
351. Poesen, J., Nachtergael, J. and Knapen, A. 2004. Modeling ephemeral gully erosion in upland areas. Final Report Specific Cooperative Agreement USDA-ARS Extramural Agreement No. 58-6408-1-F164: 154 p.
352. Van Den Eeckhaut, M., Vanwalleghem, T., Poesen, J. and Deckers, J. 2003. Kenmerken en onstaanswijzen van ravijnen in het Meerdaalwoud. Brakona jaarboek 2003, Vlaams-Brabantse Koepel voor Natuurstudie, Leuven: 6-16.

353. Auzet, A.V., Poesen, J. and Valentin, C. 2004. Editorial: Soil surface characteristics: dynamics and impacts on soil erosion. *Earth Surface Processes and Landforms* 29:1063-1064.
354. Nyssen, J., Poesen, J. and Mitiku Haile. 2004. Lessons learnt from 10 years research on soil erosion and soil and water conservation in Tigray. Extension Manual. Zala Daget Project, 23 September 2004, 56 p.
355. Gillijns, K., Verbist, K., Gabriels, D., Govers, G., Poesen, J. and Van Hecke, E. 2004. Richtlijnenboek erosiebestrijdingsmaatregelen. Ministerie van de Vlaamse Gemmenschap, AMINAL Afdeling Water – AMINAL Afdeling Land D/2004/3241/269: 152 pp.
356. Ruysschaert, G., Poesen, J., Verstraeten, G. and Govers, G. 2004. Soil loss due to crop harvesting: significance and determining factors. *Progress in Physical Geography* 28(4):467-501.
357. Knapen, A., Breugelmans, W., Poesen, J., Deckers, J. and Kitutu, M. 2004. Oorzaken, gevolgen en karakteristieken van grondverschuivingen in Oost-Afrika: Een gevalstudie in Manjiya county (Oost-Oeganda). *De Aardrijkskunde* 28 (1):27-39.
358. de Figueiredo, T., Ferreira, A.G., Gonçalves, D. and Poesen, J. 2004. Efeito das características dos elementos grosseiros na erosão inter-sulcos: um contributo para a sua modelação (Effects of rock fragment characteristics on inter-rill erosion: a contribution to modelling). *Revista de Ciências Agrárias (Portugal)* XXVII (1):230-243.
359. Vanwalleghem, T., Verheyen, K., Hermy, M., Poesen, J. and Deckers, J. 2004. Legacies of Roman land-use in the present-day vegetation in Meerdaal Forest (Belgium)? *Belgian Journal of Botany* 137 (2):181-187.
360. Veyret-Picot, M., Nyssen, J., Poesen, J., Moeyersons, J., Mitiku Haile, J. Deckers 2004. L'effet de l'affectation du sol sur l'origine du ravin de Dingilet (Ethiopie du Nord). *Bulletin du Réseau Erosion, IRD Montpellier*, 23:50-59.
361. Nyssen, J., Moeyersons, J., Poesen, J., Deckers, J., Mitiku Haile 2004. Facteurs naturels et anthropiques dans les processus d'érosion dans un bassin de montagne en Ethiopie septentrionale. *Bulletin du Réseau Erosion, IRD Montpellier*, 23:577.
362. Naudts, J., De Geyndt, K., Nyssen, J., Deckers, J., Mitiku Haile, Moeyersons, J., Poesen, J. 2004. The trap efficiency for sediment and carbon in exclosures on steep slopes. A case study from the Tembien highlands, tigray, Ethiopia. *Bulletin du Réseau Erosion, IRD Montpellier*, 23:615-624.
363. Moeyersons, J., Nyssen, J., Deckers, J., Mitiku Haile and Poesen, J. 2004. The climatic significance of Late-Pleistocene and early- to Middle-Holocene Mass Movements and their Present-day Remobilization in Rwanda and Ethiopia. In Demarée, G., De Dapper, M. and Alexandre, J. (eds.) Tropical Climatology, Meteorology and Hydrology. Climate-related Risk analysis and Sustainable Development in Tropical Areas. International Conference, Brussels, 13-14 December 2001. ISBN 90-75652-36-4. Royal Meteorological Institute of Belgium, Brussels: 63-79.
364. Nyssen, J., Poesen, J., Vandenreyken, H., Moeyersons, J., Deckers, J., Mitiku Haile and Salles, C. 2004. Spatial variability of Rain and its Erosivity in a Tropical Mountain Catchment: Tigray, Northern Ethiopia. In Demarée, G., De Dapper, M. and Alexandre, J. (eds.) Tropical Climatology, Meteorology and Hydrology. Climate-related Risk analysis and Sustainable Development in Tropical Areas. International Conference, Brussels, 13-14 December 2001. ISBN 90-75652-36-4. Royal Meteorological Institute of Belgium, Brussels: 95-119.
365. Desta Gebremichael, Poesen, J., Nyssen, J., Deckers, J., Mitiku Haile, 2004. Effectiveness of stone bunds for sediment trapping on cropland in the Tigray highlands, Northern Ethiopia, with special reference to Dogua Tembien highlands. In: Taye Bekele, Belay Demissie, Selamyihun Kidanu (eds.), Proceedings of the 7th conference of the Ethiopian Society of Soil Science, Addis Ababa, 11-12 March 2004: 25-66.
366. de Luna Armenteros, E., Laguna Luna, A., Poesen, J., Giráldez Ververa, J.V. 2004. Evolución de un sistema de cárcavas activas en el sureste español. *Ingeniería del Agua* 11(1):65-73.

367. Gillijns, K., Poesen, J. and Deckers, J. 2005. On the characteristics and origin of closed depressions in loess-derived soils in Europe – a case study from central Belgium. *Catena* 60:43-58.
368. de Vente, J., De Baets, S., Poesen, J. and Govers, G. 2005. Wordt Spanje een woestijn? Lespakket leraars geografie, Lerarendag Faculteit Wetenschappen, 2 maart 2005, 26 p.
369. Takken, I., Govers, G., Jetten, V., Nachtergael, J., Steegen, A. and Poesen, J. 2005. The influence of both process descriptions and runoff patterns on predictions from a spatially distributed soil erosion model. *Earth Surface Processes and Landforms* 30(2):213-229.
370. Fu, B.J., Zhao, W.W., Chen, L.D., Zhang, Q.J., LU, Y.H., Gulinck, H. and Poesen, J. 2005. Assessment of soil erosion at large watershed scale using RUSLE and GIS: a case study in the loess plateau of China. *Land Degradation and Development* 16:73-85.
371. de Vente, J., Poesen, J. and Verstraeten, G. 2005. The application of semi-quantitative methods and reservoir sedimentation rates for the prediction of basin sediment yield in Spain. *Journal of Hydrology* 305:63-86.
372. Kimaro, D.N., Deckers J.A., Poesen J, Kilasara, M. and Msanya, B.M. 2005. Short and medium term assessment of tillage erosion in the Uluguru Mountains, Tanzania. *Soil and Tillage Research* 81(1):97-108.
373. Ruysschaert, G., Poesen, J., Verstraeten, G. and Govers, G. 2005. Interannual variation of soil losses due to sugar beet harvesting in West Europe. *Agriculture, Ecosystems and Environment* 107:317-329.
374. Van Den Eeckhaut, M., Poesen, J., Verstraeten, G., Vanacker, V., Moeyersons, J., Nyssen, J. and van Beek, L.P.H. 2005. The effectiveness of hillshade maps and expert knowledge in mapping old deep-seated landslides. *Geomorphology* 67:351-363.
375. Vanwalleghem, T., Poesen, J., Van Den Eeckhaut, M., Nachtergael, J. and Deckers, J. 2005. Reconstructing rainfall and land use conditions leading to the development of old gullies. *The Holocene* 15(3):378-386.
376. Gyssels, G., Poesen, J., Bochet, E. and Li, Y. 2005. Impact of plant roots on the resistance of soils to erosion by water: a review. *Progress in Physical Geography* 29(2):189-217.
377. De Santisteban, L.M., Casalí, J., López, J.J., Giráldez, J.V., Poesen, J. and Nachtergael, J. 2005. Exploring the role of topography in small channel erosion. *Earth Surface Processes and Landforms* 30:591-599.
378. Gillijns, K., Govers, G., Poesen, J., Mathijs, E. and Bielders, C. 2005. Bodemerosie in België: Stand van zaken. Koninklijk Instituut voor het Duurzame beheer van de Natuurlijke Rijkdommen en de Bevordering van Schone Technologie (KINT), Brussel, Verhandeling 10 (mei 2005): 73 pp.
379. Gillijns, K., Govers, G., Poesen, J., Mathijs, E. and Bielders, C. 2005. Erosion des Sols en Belgique. Etat de la Question. Institut Royal pour la Gestion durable des Ressources naturelles et la Promotion des Technologies propres (IRGT), Brussel, Cahier N° 10 (Mai 2005): 73 pp.
380. de Vente, J. and Poesen, J. 2005. Predicting soil erosion and sediment yield at the basin scale: Scale issues and semi-quantitative models. *Earth Science Reviews* 71:95-125.
381. Mathys, N. and Poesen, J. 2005. Gully erosion in Mountain Areas: processes, measurement, modelling and regionalization. *Géomorphology: reliëf, processus, environnement* (ISBN: 2-913282-27-X), 1:3-6.
382. Van Oost, K., Govers, G., Cerdan, O., Thauré, D., Van Rompaey, A., Steegen, A., Nachtergael, J., Takken, I. and Poesen, J. 2005. Spatially distributed data for erosion model calibration and validation: The Ganspoel and Kinderveld datasets. *Catena* 61:105-121.
383. Nigussie Haregeweyn, Poesen, J., Nyssen, J., Verstraeten, G., de Vente, J., Govers, G., Deckers, S. and Moeyersons, J. 2005. Specific sediment yield in Tigray-Northern Ethiopia: Assessment and semi-quantitative modelling. *Geomorphology* 69:315-331.

384. Vanwalleghem, T., Poesen, J., Nachtergael, J. and Verstraeten, G. 2005. Characteristics, controlling factors and importance of deep gullies under cropland on loess-derived soils. *Geomorphology*, 69 (1-4):76-91.
385. Nyssen, J., Vandenreyken, H., Poesen, J., Moeyersons, J., Deckers, J., Mitiku Haile, C. Salles and Govers, G. 2005. Rainfall erosivity and variability in the Northern Ethiopian Highlands. *Journal of Hydrology* 311:172-187.
386. Van Den Eeckhaut, M., Poesen, J., Verstraeten, G. and Govers, G. 2005. Verkennende studie met betrekking tot massabewegingen in de Vlaamse Ardennen. Deel 1. Rapport in opdracht van het Ministerie van de Vlaamse Gemeenschap, AMINAL-Land, Project OL200200162 Landverschuivingen, 154 pp + 550 pp (steekkaarten).
387. Rommens, T., Verstraeten, G., Poesen, J., Govers, G., Van Rompaey, A., Peeters, I. and Lang, A. 2005. Soil erosion and sediment deposition in the Belgian loess belt during the Holocene: establishing a sediment budget for a small agricultural catchment. *The Holocene* 15(7):1032-1043.
388. Valentin, C., Poesen, J. and Li, Y. 2005. Gully Erosion: A Global Issue, Preface, *Catena* 63 (2-3):129-131
389. Valentin, C., Poesen, J. and Li, Y. 2005. Gully Erosion: Impacts, factors and control. *Catena* 63 (2-3):132-153.
390. Vanwalleghem, T., Bork, H.R., Poesen, J., Schmidtchen, G., Dotterweich, M., Nachtergael, J., Bork, H., Deckers, J., Brüscher, B., Bungeneers, J. and De Bie, M. 2005. Rapid development and infilling of a buried gully under cropland, central Belgium. *Catena* 63 (2-3):221-243.
391. Gebremichael Desta, Nyssen, J., Poesen, J., Deckers, J., Mitiku Haile, Govers, G. and Moeyersons, J. 2005. Effectiveness of stone bunds in controlling soil erosion on cropland in the Tigray Highlands, northern Ethiopia. *Soil Use and Management*, 21 (3):287-297.
392. Vanwalleghem, T., Poesen, J., Deckers, J. 2005. Geomorfologische fenomenen in het Meerdaalwoud en het verband met vroeger landgebruik. In *Historische en archeologische inzichten in Meerdaalwoud*, Herfstboswandeling 20 November 2003. Ministerie van de Vlaamse Gemeenschap, Afdeling Bos en Groen, Houtvesterij Leuven: 11 pp.
393. Vanacker, V., Molina, A., Govers, G., Poesen, J., Dercon, G., Deckers, S. 2005. River channel response to short-term human-induced change in landscape connectivity in Andean ecosystems. *Geomorphology* 72:340-353.
394. Blocken, B., Carmeliet, J. and Poesen, J. 2005. Numerical simulation of the wind-driven rainfall distribution over small-scale topography in space and time. *Journal of Hydrology* 315:252-273.
395. Wauters, E., Mathys, E., Bielders, C., Govers, G. and Poesen, J. 2005. Duurzaamheidsevaluatie van erosiebestrijdingsmaatregelen in België. Eindrapport fase 2, KINT (Koninklijk Instituut voor het duurzaam beheer van de Natuurlijke rijkdommen en de bevordering van de schone Technologiën), Brussel, 66 pp.
396. Casali, J., De Santisteban, L.M., López, J.J., Giraldez, J.V., Poesen, J., Nachtergael, J., Goñi, M., Loizu, J., Campo, M.A. 2005. Evaluation of topographic indices for ephemeral gully erosion assessment. *International Journal of Sediment Research*, 20(4):295-304.
397. Nyssen, J., Govaerts, B., Mintesinot Behailu, Mitiku Haile, Sayre, K., Tigist Oicha, Fisseha Meressa, Mekonnen Gebreslasie, Solomon Gebregziabher, Tewodros Gebregziabher, Fekadu Getnet, Nurhussen Taha, Wubetu Bihon, Poesen, J., Raes, D., Verplancke, H., Deckers, J., 2005. Conservation agriculture: a further step in sustainable agricultural intensification in the Northern Ethiopian highlands. In: De Dapper, M., De Lame, D., Proceedings of the International Conference "Africa's Great Rift: Diversity and Unity". Royal Academy for Overseas Sciences, Royal Museum for Central Africa, Brussels, 29-30 September, 2005: 169-183. ISBN 978-9-0756-5241-3

398. Moeyersons, J., Nyssen, J., Poesen, J., Deckers, J. and Mitiku Haile 2006. Age and backfill/overfill stratigraphy of two tufa dams, Tigray Highlands, Ethiopia: Evidence for late Pleistocene and Holocene wet conditions. *Palaeogeography, Palaeoclimatology, Palaeoecology* 230 (1-2):165-181.
399. Knapen, A., Kitutu, M.G., Poesen, J., Breugelmans, W., Deckers, J., Muwanga, A. 2006. Landslides in a densely populated county at the footslopes of Mount Elgon (Uganda): Characteristics and causal factors. *Geomorphology* 73:149-165.
400. Gregory, K.J., Benito, G., Dikau, R., Golosov, V., Johnstone, E.C., Jones, J.A.A., Macklin, M.G., Parsons, A.J., Passmore, D.G., Poesen, J., Soja, R., Starkel, L., Thorndycraft, V.R., Walling, D.E. 2006. Past hydrological events and global change. *Hydrological Processes*, 20 (1):199-204.
401. Ruysschaert, G., Poesen, J., Verstraeten, G. and Govers, G. 2006. Soil losses due to mechanized potato harvesting. *Soil and Tillage Research* 86:52-72.
402. Blocken, B., Poesen, J. and Carmeliet, J. 2006. Impact of wind on the spatial distribution of rain over micro-scale topography: numerical modelling and experimental verification. *Hydrological Processes* 20, 345-369.
403. Aerts R., Maes W., November E., Behailu M., Poesen J., Deckers J., Hermy M. and Muys B. 2006. Surface runoff and seed trapping efficiency of shrubs in a regenerating semiarid woodland in northern Ethiopia. *Catena* 65: 61-70.
404. Nyssen, J., Poesen, J., Veyret-Picot, M., Moeyersons, J., Mitiku Haile, Deckers, J., Dewit, J., Naudts, J., Kassa Teka, Govers, G. 2006. Assessment of gully erosion rates through interviews and measurements: a case study from northern Ethiopia. *Earth Surface Processes and Landforms* 31:167-185.
405. Dercon, G., Deckers, J., Poesen, J., Govers, G., Sanchez, H., Vanegas, R., Ramirez, M., Loaiza, G. 2006. Spatial variability in crop response under contour hedgerow systems in the Andes region of Ecuador. *Soil and Tillage Research* 86:15-26.
406. De Baets, S. and J. Poesen 2006. Below ground biomass. In Cammeraat L.H. (ed.) *Field Protocol Conditions for Restoratation and Mitigation of Desertified Areas using Vegetation (RECONDES)*, University of Amsterdam: 36-40.
407. Haregeweyn, N., Poesen, J., Nyssen, J., De Wit, J., Haile, M., Govers, G. and Deckers, S. 2006. Reservoirs in Tigray (Northern Ethiopia): characteristics and sediment deposition problems. *Land Degradation and Development* 17:211-230.
408. Nyssen, J., Nigussie Haregeweyn, Descheemaeker, K., Desta Gebremichael, Vancampenhout K., Poesen, J., Mitiku Haile, Moeyersons, J., Buytaert, W., Naudts J., Deckers, J. and Govers, G. 2006. Letter to the Editor. Comment on "Modelling the effect of soil and water conservation in Tigray, Ethiopia (Agric. Ecosyst. Environ. 105(2006) 29-40)". *Agriculture, Ecosystems and Environment*, 114:407-411.
409. Bochet, E., Poesen, J. and Rubio, J.L. 2006. Runoff and soil loss under individual plants of a semi-arid Mediterranean schrubland: influence of plant morphology and rainfall intensity. *Earth Surface Processes and Landforms* 31:536-549.
410. Vanwalleghem, T., Bork, H.R., Poesen, J., Dotterweich, M., Schmidtchen, G., Deckers, J., Scheers, S. and Martens M. 2006. Prehistoric and Roman gullyling in the European loess belt: a case study from central Belgium. *The Holocene* 16(3):393-401.
411. Gregory, K.J., Benito, G., Dikau, R., Golosov, V., Jones, A.J.J., Macklin, M.G., Parsons, A.J., Passmore, D.G., Poesen, J., Starkel, L. and Walling, D.E. 2006. Past hydrological events related to understanding global change: An ICSU research project. *Catena* 66:2-13.
412. Descheemaeker, K., Nyssen, J., Rossi, J., Poesen, J., Mitiku Haile, Raes, D., Muys, B., Moeyersons, J., Deckers, J., 2006. Sediment deposition and pedogenesis in exclosures in the Tigray highlands, Ethiopia. *Geoderma*, 132:291-314.

413. Gyssels, G., Poesen, J., Liu, W., Van Dessel, W., Knapen, A. and De Baets, S. 2006. Effects of cereal roots on detachment rates of single- and double-drilled topsoils during concentrated flow. *European Journal of Soil Science* 57:381-391.
414. De Baets, S., Poesen, J., Gyssels, G. and Knapen, A. 2006. Effects of grass roots on the erodibility of topsoils during concentrated flow. *Geomorphology* 76:54-67.
415. Torri, D., Poesen, J., Borselli, L. and Knapen, A. 2006. Channel width-flow discharge relationships for rills and gullies. *Geomorphology* 76:273-279.
416. Van Den Eeckhaut, M., Vanwalleghem, T., Poesen, J., Govers, G., Verstraeten, G., Vandekerckhove, L. 2006. Prediction of landslide susceptibility using rare events logistic regression: A case-study in the Flemish Ardennes (Belgium). *Geomorphology* 76:392-410.
417. Moeyersons, J., Nyssen, J., Poesen, J., Deckers, J. and Mitiku Haile 2006. On the origin of rock fragment mulches on Vertisols: A case-study from the Ethiopian highlands. *Geomorphology* 76:411-429.
418. Rommens, T., Verstraeten, G., Bogman, P., Peeters, I., Poesen, J., Govers, G., Van Rompaey, A. and Lang, A. 2006. Holocene alluvial sediment storage in a small river catchment in the loess area of central Belgium. *Geomorphology* 77:187-201.
419. Govers, G., Van Oost, K. and Poesen, J. 2006. Responses of a semi-arid landscape to human disturbance: a simulation study of the interaction between rock fragment cover, soil erosion and land use change. *Geoderma* 133:19-31.
420. van Wesemael, B., Rambaud, X., Poesen, J., Mulligan, M., Cammeraat, E. and Stevens, A. 2006. Spatial patterns of land degradation and their impacts on the water balance of rainfed treecrops: a case study in South East Spain. *Geoderma* 133:43-56.
421. Jetten, V., Poesen, J., Nachtergael, J. and van de Vlag, D. 2006. Spatial modelling of ephemeral gully incision: a combined empirical and physical approach. Chapter 19 in Owens P.N. and Collins A.J. (Eds.) *Soil Erosion and Sediment Redistribution in River Catchments*. CAB International, Wallingford Oxfordshire, UK, ISBN Hardback 0851990509:195-206.
422. de Vente, J., Poesen, J., Bazoffi, P., Van Rompaey, A. and Verstraeten, G. 2006. Predicting catchment sediment yield in Mediterranean environments: the importance of sediment sources and connectivity in Italian drainage basins. *Earth Surface Processes and Landforms* 31:1017-1034.
423. Li, Y., Ruysschaert, G., Poesen, J., Zhang, Q.W., Bai, L.Y., Li, L. and Sun, F. 2006. Soil losses due to potato and sugar beet harvesting in NE China. *Earth Surface Processes and Landforms* 31:1003-1016.
424. Peeters, I., Rommens, T., Verstraeten, G., Govers, G., Van Rompaey, A., Poesen, J. and Van Oost, K. 2006. Reconstructing ancient topography through erosion modelling. *Geomorphology* 78:250-264.
425. Vancampenhout, K., Nyssen, J., Gebremichael, D., Deckers, J., Poesen, J., Mitiku Haile and Moeyersons, J. 2006. Stone bunds for soil conservation in the northern Ethiopian highlands: impacts on soil fertility and crop yield. *Soil and Tillage Research* 90:1-15.
426. Notebaert, B., Govers, G., Verstraeten, G., Van Oost, K., Ruysschaert, G., Poesen, J., Van Rompaey, A. 2006. Verfijnde erosiekaart Vlaanderen: eindrapport in opdracht van Ministerie van de Vlaamse Gemeenschap, AMINAL-Land, K.U.Leuven 73 pp.
427. Descheemaeker, K., Muys, B., Nyssen, J., Poesen, J., Raes, D., Mitiku Haile, Deckers, J. 2006. Litter production and organic matter accumulation in exclosures of the Tigray highlands, Ethiopia. *Forest Ecology and Management* 233:21-35.
428. Knapen, A. and Poesen, J. 2006. Enhancing the soil's erosion resistance during concentrated runoff by reducing tillage disturbance. In Horn, R., Fleige, H., Peth, S. and Peng, X. (Eds.) *Soil Management for Sustainability. Advances in GeoEcology* 38, Catena Verlag, Reiskirchen, Germany, ISBN 3-923381-52-2: 290-300.

429. Poesen, J., Deckers, J., Mitiku haile, Nyssen, J., Bruneel, S. 2006. Environmental Change, geomorphic processes, land degradation and rehabilitation in tropical and subtropical highlands. Highland 2006. Mekelle University, 19-25 September 2006, Book of Abstracts, 104 pp.
430. Nyssen, J., Poesen, J., Nurhussen Taha, Deckers, J. 2006. Environmental Change, geomorphic processes, land degradation and rehabilitation in tropical and subtropical highlands. Highland 2006. Mekelle University, 19-25 September 2006, Excursion guide, 244 pp.
431. Nyssen, J., Dewit, J., Moeyersons, J., Nigussie Haregeweyn, Naudts, J., Amanuel zenebe, Mitiku Haile, Bedru Babulo, Aerts, R., Fredu Nega, Tesfamichael G/Yohannes, Tsehaye Asmelash, Desta Gebremichael, Poesen, J., Deckers, J., Mintesinot Behailu 2006. Geba catchment Map 1/200 000. Mekelle University.
432. Moeyersons, J., Nyssen, J., Poesen, J., Deckers, J., Mitiku Haile, Kurkura K.; Govers, G., Descheemaeker, K., Nigussie H. 2003. Climatic versus anthropogenic desertification and sustainable agriculture, Tigray, Ethiopia. In Uhlig, S., Bulakh G., Nosnitsin, D., Rave, T. (Eds.). Proc. 15<sup>th</sup> Int. Conf. of Ethiopian Studies, Hamburg, 20-25 July 2003, Harrassowitz Verlag Wiesbaden: 1067-1078.
433. Bork, H.R., Vanwalleghem, T., Dotterweich, M., Schmidtchen, G., Poesen, J., Deckers, J. and Bork, H. 2006. Verlust und Rückgewinnung von Ackerland: ein Knäuel verfallener Löss-Schluchten wird entwirrt (Flämisch-Brabant, Belgien). In Bork, H.R. (ed.). Landschaften der Erde unter dem Einfluss des Menschen. Wissenschaftliche Buchgesellschaft, Darmstadt, Germany, ISBN-13: 978-3-89678-584-8: 146-151.
434. Descheemaeker, K., Nyssen, J., Poesen, J., Raes, D., Mitiku Haile, Muys, B., Moeyersons, J., Deckers, J. 2006. Soil and water conservation through forest restoration on degraded hillslopes in the Highlands of Northern Ethiopia. In Martínez-Casasnovas, J.A., Pla Sentis, I., Ramos Martin, M.C. and Balasch Solanes, J.C. (eds.) Soil and Water Conservation under Changing Land Use. University of Lleida, ISBN 10:84-8409-211-9: 283-286.
435. Fullen, M.A., Booth, C.A., Sarsby, R., Davies, K., Bhattacharyya, R., Poesen, J., Smets, T., Kertesz, A., Toth, A., Szalai, Z., Jakab, G., Kozma, K., Jankauskas, B., Trimirka, V., Jankauskiene, G., Bühmann, C., Paterson, G., Guerra, A., Mendonça, J., Yi, Z., Li, Y., Panomtarachichigul, M., Dao Chau Thu, Tran Huu Cuong, Truong Thi Toan, Jonson-Ellis, F., Corkill, C., Mulholland, B. and Dearlove, M. The potential contribution of Palm Mat Geotextiles to soil conservation and sustainable development. In Martínez-Casasnovas, J.A., Pla Sentis, I., Ramos Martin, M.C. and Balasch Solanes, J.C. (eds.) Soil and Water Conservation under Changing Land Use. University of Lleida, ISBN 10:84-8409-211-9:303-306.
436. Verstraeten, G., Poesen, J., Goossens, D., Gillijns, K., Bielders, C., Gabriels, D., Ruysschaert, G., Van Den Eeckhaut, M., Vanwalleghem, T., Govers, G. 2006. Belgium. Chapter 1.30 in Boardman, J. and Poesen, J. (Eds.). Soil Erosion in Europe. Wiley, Chichester, UK, ISBN 0-470-85910-5:385-411.
437. Boardman, J. and Poesen, J. 2006. Erosion processes across Europe: major processes and controlling factors. Chapter 2.2 in Boardman, J. and Poesen, J.(Eds.). Soil Erosion in Europe. Wiley, Chichester, UK, ISBN 0-470-85910-5:479-487.
438. Cerdan, O., Poesen, J., Govers, G., Saby, N., Le Bissonnais, Y., Gobin, A., Vacca, A., Quinton, J., Auerswald, K., Klik, A., Kwaad, F.J.P.M., Roxo, M.J. 2006. Sheet and rill erosion. Chapter 2.4 in Boardman, J. and Poesen, J. (Eds.). Soil Erosion in Europe. Wiley, Chichester, UK, ISBN 0-470-85910-5, 501-513.
439. Poesen, J., Vanwalleghem, T., de Vente, J., Knapen, A., Verstraeten, G., Martinez-Casasnovas, J.A. 2006. Gully erosion in Europe. Chapter 2.5 in Boardman, J. and Poesen, J.(Eds.). Soil Erosion in Europe. Wiley, Chichester, UK, ISBN 0-470-85910-5:515-536.
440. Ruysschaert, G., Poesen, J., Verstraeten, G., Govers, G. 2006. Soil losses due to crop harvesting in Europe. Chapter 2.10 in Boardman, J. and Poesen, J.(Eds.). Soil Erosion in Europe. Wiley, Chichester, UK, ISBN 0-470-85910-5:609-621.

441. Verstraeten, G., Bazoffi, P., Lajczak, A., Rădoane, M., Rey, F., Poesen, J. and de Vente, J. 2006. Reservoir and pond sedimentation. Chapter 2.20 in Boardman, J. and Poesen, J.(Eds.). Soil Erosion in Europe. Wiley, Chichester, UK, ISBN 0-470-85910-5:759-774.
442. Descheemaeker, K., Nyssen, J., Poesen, J., Raes, D., Mitiku Haile, Muys, B. and Deckers, S. 2006. Runoff on slopes with restoring vegetation: a case study from the Tigray highlands, Ethiopia. *Journal of Hydrology* 331:219-241.
443. Nyssen, J., Poesen, J., Moeyersons, J., Deckers, J. and Mitiku Haile 2006. Processes and rates of rock fragment displacement on cliffs and scree slopes in an amba landscape, Ethiopia. *Geomorphology* 81:265-275.
444. Verstraeten, G., Poesen, J., Demarée, G. and Salles, C. 2006. Long-term (105 years) variability in rain erosivity as derived from 10-min rainfall depth data for Ukkel (Brussels, Belgium): Implications for assessing soil erosion rates. *Journal of Geophysical Research*, 111, D22109, doi:10.1029/2006JD007169: 11 pp.
445. Verstraeten, G., Poesen, J., Gillijns, K. and Govers, G. 2006. The use of riparian vegetated filter strips to reduce river sediment loads: an overestimated control measure? *Hydrological processes* 20:4259-4267.
446. Hooke, J.M., Sandercock, P.J., van Wesemael, B., Meerkerk, A., Torri, D., Calzolari, C., Marignani, M., Borselli, L., Busoni, E., Sette, M.D., Salvador, M.P., Ungaro, F., Chiarucci, A., Maccherini, S., Castillo, V., González-Barbára, G., Navarro-Cano, J.A., Montoro, J.A., Martinez-Mena, M., Boix-Fayos, C., Cammeraat, L.H., Lesschen, J.P., Cladder, E., Poesen, J. and De Baets, S. 2006. Identification of effects of plant properties and of critical conditions for growth and survival of plants. Report for E.C. by RECONDES-team, Conditions for Restoration and Mitigation of Desertified Areas Using Vegetation (FP6):53pp.
447. Verduyn, R., Poesen, J. and de Vente, J. 2006. Voorspelling van sedimentexport uit Spaanse stroomgebieden. *De Aardrijkskunde*, 30, 2006(23):65-77.
448. De Baets, S. and Poesen, J. 2006. Gullies and rills in the Mediterranean environment. Chapter 2.2. In Hooke, E. (Ed.) Conditions for Restoration & Mitigation of Desertified Areas Using Vegetation (RECONDES) Review of literature and present knowledge. European Commission, Brussels, ISBN 92-79-03072-8:31-40.
449. Poesen, J. and De Baets, S. 2006. The effects of plant root characteristics on soil erosion. Chapter 4.3. In Hooke, E. (Ed.) Conditions for Restoration & Mitigation of Desertified Areas Using Vegetation (RECONDES) Review of literature and present knowledge. European Commission, Brussels, ISBN 92-79-03072-8:123-134.
450. De Baets, S. and Poesen, J. 2006. Hillslopes. Chapter 9. In Hooke, E. (Ed.) Conditions for Restoration & Mitigation of Desertified Areas Using Vegetation (RECONDES) Review of literature and present knowledge. European Commission, Brussels, ISBN 92-79-03072-8:235-244.
451. Gulinck, H., Haesevoets, A., Meeus, S., Govers, G., Verstraeten, G., Van Rompaey, A., Poesen, J., Notebaert, B., Gobin, A., Bries, J., Verlinden, G., Van den Bulck, S., Van Dyck, W., Stalpaert, L. 2006. MIRA (2005) Milieurapport Vlaanderen, Achtergronddocument 2005. Vlaamse Milieumaatschappij, 119 p.
452. Isabirye, M., Ruysschaert, G., Van linden, L., Poesen, J., Magunda, M.K. and Deckers, J. 2007. Soil losses due to cassava and sweet potato harvesting: A case study from low input traditional agriculture. *Soil and Tillage Research* 92:96-103.
453. Knapen, A., Poesen, J., Govers, G., Gyssels, G. and Nachtergael, J. 2007. Resistance of soils to concentrated flow erosion: A review. *Earth Science Reviews* 80:75-109.
454. Gyssels, G., Poesen, J., Knapen, A., Van Dessel, W. and Léonard, J. 2007. Effects of double drilling of small grains on soil erosion by concentrated flow and crop yield. *Soil and Tillage research* 93:379-390.
455. Ruysschaert, G., Poesen, J., Verstraeten, G. and Govers, G. 2007. Soil loss due to harvesting of various crop types in contrasting agro-ecological environments. *Agriculture, Ecosystems and Environment* 120:153-165.

456. Vanacker, V., Von Blanckenburg, F., Govers, G., Molina, A., Poesen, J., Deckers, J. and Kublik, P. 2007. Restoring dense vegetation can slow mountain erosion to near natural benchmark levels. *Geology*, April 2007, 35(4):303-306.
457. Poesen, J., Verstraeten, G., Notebaert, B., Govers, G., Vandaele, K. 2007. Recente inzichten rond geomorfologische processen. Oostelijke excursie, 10 en 17 maart 2007. K.U.Leuven, Vliebergh-Senciecentrum Nascholing Aardrijkskunde, K.U.Leuven: 148 pp.
458. Van Den Eeckhaut, M., Poesen, J. 2007. Grondverschuivingen in de Vlaamse Ardennen. In Recente inzichten rond geomorfologische processen. Westelijke excursie, 10 en 17 maart 2007. K.U.Leuven, Vliebergh-Senciecentrum Nascholing Aardrijkskunde, K.U.Leuven: 69 pp.
459. Nyssen, J., Poesen, J., Gebremichael, D., Vancampenhout, K., D'aes M., Yihdego, G., Govers, G., Leirs, H., Moeyersons, J., Naudts, J., Haregeweyn, N., Haile M., Deckers, J. 2007. Interdisciplinary on-site evaluation of Stone bunds to control soil erosion on cropland in northern Ethiopia. *Soil and Tillage Research* 94:151-163.
460. Kassa Teka, Nyssen, J., Nurhussen Taha, Mitiku Haile, Poesen, J., Deckers J. 2007. Assessment and modelling of soil spatial distribution in Pre-Cambrian lowlands, Tigray, Ethiopia. In Nyssen, J., Mulu Bayray, Nurhussen Taha, Deckers J. (eds.) Interdisciplinary excursion to Avergelle and Dogu'a Tembien, Tigray, Ethiopia, 1 April 2007, University of Mekelle:11-14.
461. Nigussie Haregeweyn, Poesen, J., Nyssen, J., Mitiku Haile, Govers, G., Deckers, J., Moeyersons, J. 2007. Sediment yield studies using reservoir sediment surveys in Tigray, with special emphasis on Agushella micro-dam. In Nyssen, J., Mulu Bayray, Nurhussen Taha, Deckers J. (eds.) Interdisciplinary excursion to Avergelle and Dogu'a Tembien, Tigray, Ethiopia, 1 April 2007, University of Mekelle:32-35.
462. Dereje Ashebir, Deckers, T., Nyssen, J., Wubetu Bihon, Alemtsehay Tsegay, Hailemariam Tekie, Poesen, J., Mitiku Haile, Fekadu Wondumagegnehe, Raes, D., Mintesinot Behailu, Deckers, J. 2007. Apple production under warm climate condition of north Ethiopia. In Nyssen, J., Mulu bayray, Nurhussen Taha, Deckers J. (eds.) Interdisciplinary excursion to Avergelle and Dogu'a Tembien, Tigray, Ethiopia, 1 April 2007, University of Mekelle:36-39.
463. Meheretu Yonas, D'aes, M., Poesen, J., Deckers, J., Nyssen, J., Rhodes Makundi, Mekonen Teferi, Gidey Yirga, Jacqmain, F., Leirs, H. 2007. Rodent dynamics and damage in rainfed crops in Tigray, Northern Ethiopia: development and evaluation of rodent management strategies. In Nyssen, J., Mulu bayray, Nurhussen Taha, Deckers J. (eds.) Interdisciplinary excursion to Avergelle and Dogu'a Tembien, Tigray, Ethiopia, 1 April 2007, University of Mekelle:46-49.
464. Nyssen, J., Poesen, J., Descheemaeker, Nigussie Haregeweyn, Mitiku Haile, Moeyersons, J., Govers, G., Munro, N., Deckers, J. 2007. Reversing land degradation in Northern ethiopia. In Nyssen, J., Mulu Bayray, Nurhussen Taha, Deckers J. (eds.) Interdisciplinary excursion to Avergelle and Dogu'a Tembien, Tigray, Ethiopia, 1 April 2007, University of Mekelle:50-54.
465. Descheemaeker, K., Nyssen, J., Poesen, J., Raes, D., Muys, B., Mitiku Haile, Deckers, J. 2007. Exclosures for in situ and downstream environmental rehabilitation. In Nyssen, J., Mulu bayray, Nurhussen Taha, Deckers J. (eds.) Interdisciplinary excursion to Avergelle and Dogu'a Tembien, Tigray, Ethiopia, 1 April 2007, University of Mekelle:56-59.
466. de Vente, J., Poesen, J., Arabkhedri, M. and Verstraeten, G. 2007. The sediment delivery problem revisited. *Progress in Physical Geography* 31(2):155-178.
467. Van Den Eeckhaut, M., Poesen, J., Verstraeten, G., Vanacker, V., Nyssen, J., Moeyersons, J., van Beek, L.P.H. and Vandekerckhove, L. 2007. Use of LIDAR-derived images for mapping old landslides under forest. *Earth Surface Processes and Landforms* 32:754-769.
468. Van Den Eeckhaut, M., Poesen, J., Govers, G., Verstraeten, G. and Demoulin, A. 2007. Characteristics of the size distribution of recent and historical landslides in a populated region. *Earth and Planetary Science Letters* 256:588-603.

469. Vanwalleghem, T., Poesen, J., Vitse I., Bork, H.R., Dotterweich, M., Schmidtchen, G., Deckers, J., Lang A. and Mauz, B. 2007. Origin and evolution of closed depressions in central Belgium, European loess belt. *Earth Surface Processes and Landforms* 32:574-586.
470. Dercon, G., Govers, G., Poesen, J., Sánchez, Rombaut, K., Vandenbroeck, E., Loaiza, G. and Deckers, J. 2007. Animal-powered tillage erosion assessment in the southern Andes region of Ecuador. *Geomorphology* 87:4-15.
471. Vanacker, V., Molina, A., Govers, G., Poesen, J., Deckers, J. 2007. Spatial variation of suspended sediment concentrations in a tropical Andean river system: The Paute River, southern Ecuador. *Geomorphology* 87:53-67.
472. Hooke, J., van Wesemael, B., Torri, D., Castillo, V., Cammeraat, E. and Poesen, J. 2007. Combating Land Degradation by Minimal intervention: The Connectivity Reduction Approach. European Commission, 21 p.
473. Knapen, A., Poesen, J., De Baets, S. 2007. Seasonal variations in soil erosion resistance during concentrated flow for a loess-derived soil under two contrasting tillage practices. *Soil and Tillage Research* 94:425-440.
474. Ruysschaert, G., Poesen, J., Auerswald, K., Verstraeten, G. and Govers, G. 2007. Soil losses due to potato harvesting at the regional scale in Belgium. *Soil Use and Management* 23(2):156-161. doi: 10.1111/j.1475-2743.2006.00077.x
475. Van Den Eeckhaut, M., Poesen, J., Dewitte, O., Demoulin, A., De Bo, H., Vanmaercke-Gottigny, M.C. 2007. Reactivation of old landslides: lessons learned from a case-study in the Flemish Ardennes (Belgium). *Soil Use and Management* 23(2):200-211. doi:10.1111/j.1475-2743.2006.00079.x
476. Langohr, R. and Poesen, J. 2007. Soil evolution in and on Tertiary sediments in north-west Belgium. Excursion guide, Soil Science Society of Belgium Annual Excursion May 24, 2007: 163 pp.
477. De Baets, S., Poesen, J., Knapen, A., Barberá, G.G. and Navarro, J.A.. 2007. Root characteristics of representative Mediterranean plant species and their erosion-reducing potential during concentrated runoff. *Plant Soil* 294:169-183. DOI 10.1007/s11104-007-9244-2
478. Rieke-Zapp, D., Poesen, J. and Nearing, M. 2007. Effects of rock fragments incorporated in the soil matrix on concentrated flow hydraulics and erosion. *Earth Surface Processes and Landforms* 32:1063-1076. DOI: 10.1002/esp.1469.
479. Booth, C.A., Fullen, M.A., Sarsby, R.W., Davies, K., Kurgan, R., Bhattacharyya, R., Poesen, J., Smets, T., Kertész, A., Tóth, A., Szalai, Z., Jacob, G., Kozma, K., Jankauskas, B., Trimirka, V., Jankauskiene, G., Bühmann, C., Paterson, G., Mulibana, E., Nell, J.P., van der Merwe, G.M.E., Guerra, A.J.T., Mendonça, J.K.S., Guerra, T.T., Sathler, R., Yi, Z., Yongmei, L., Panomtarachichigul, M., Peukrai, S., Thu, D.C., Cuong, T.H., Toan, T.T., Jonsyn-Ellis, F., Jallow, S., Cole, A., Mulholland, B., Dearlove, M. and Corkhill, C. 2007. The BORASSUS Project: aims, objectives and preliminary insights into the environmental and socio-economic contribution of biogeotextiles to sustainable development and soil conservation. In Kungolas, A., Brebbia, C.A., Beriatos, E. (Eds.). Sustainable Development and Planning III, Volume 2. WIT Transactions on Ecology and the Environment, Vol. 102:601- 610. ISBN 978-1-84564-102-3, doi:10.2495/SDP070582.
480. Van Den Eeckhaut, M., Poesen, J. & Verstraeten, G. 2007. Opstellen van een gevoeligheidskaart met betrekking tot massabewegingen (massatransport) voor de Vlaamse Ardennen. Rapport in opdracht van de Vlaamse Overheid, Departement Leefmilieu, Natuur en Energie, Afdeling Land en Bodembescherming, Ondergrond, Natuurlijke Rijkdommen. LA BOD/STUD 2006 0105 'Landverschuivingen', K.U.Leuven, Onderzoeksgroep Fysische en Regionale Geografie: 97 p., Bijlage 1: 217 p., Bijlage 2: 85 p.
481. Van Den Eeckhaut, M., Verstraeten, G. and Poesen, J. 2007. Morphology and internal structure of a dormant landslide in a hilly area: The Collinabos landslide (Belgium). *Geomorphology* 89:258-273.
482. García-Ruiz, J.M. & Poesen, J. 2007. Soil erosion and sediment transport under different land use/land cover scenarios. *Catena* 71 (1):1.

483. Reubens, B., Poesen, J., Danjon, F., Geudens, G. & Muys, B. 2007. The role of fine and coarse roots in shallow slope stability and soil erosion control with a focus on root system architecture: a review. *Trees – Structure and Function*, 21:385-402. (DOI:10.1007/s00468-007-0132-4).
484. Claessens, L., Knapen, A., Kitutu, M.G., Poesen, J., Deckers, J. 2007. Modelling landslide hazard, soil redistribution and sediment yield of landslides on the Ugandan footslopes of Mount Elgon. *Geomorphology* 90:23-35. (doi: 10.1016/j.geomorph.2007.01.007).
485. De Baets, S., Poesen, J., Knapen, A., Galindo, P. 2007. Impact of root architecture on the erosion-reducing potential of roots during concentrated flow. *Earth Surface Processes and Landforms* 32:1323-1345. (DOI: 10.1002/esp.1470).
486. Smets, T., Poesen, J., Fullen, M.A., Booth, C.A. 2007. Effectiveness of palm and simulated geotextiles in reducing run-off and inter-rill erosion on medium and steep slopes. *Soil Use and Management* 23:306-316. (DOI: 10.1111/j.1473-2743.2007.00098.x).
487. Van Den Eeckhaut, M., Poesen, J., Dusar, M., Martens, V., Duchateau, Ph. 2007. Sinkhole formation above underground limestone quarries: a case study in South Limburg (Belgium). *Geomorphology* 91:19-37. (DOI: 10.1016/j.geomorph.2007.01.016).
488. De Baets, S., Poesen, J., Knapen, A. 2007. Impact of root architecture, soil and flow characteristics on the erosion reducing potential of roots during concentrated flow. In Casali, J. and Giménez, R. (eds.) *Progress in Gully Erosion Research*. Universidad Publica de Navarra, Pamplona, ISBN: 978-84-9769-198-7: 32-33.
489. Li, Y., Poesen, J., Liu, L.M., Li, L., He, F.H., Zhang, Q.W., Li, R. 2007. Gully erosion in mountain area of SW-China, assessed using  $^{137}\text{Cs}$  and  $^{210}\text{Pb}$  tracers and GPS survey. In Casali, J. and Giménez, R. (eds.) *Progress in Gully Erosion Research*. Universidad Publica de Navarra, Pamplona, ISBN: 978-84-9769-198-7: 70-71.
490. Knapen, A., Poesen, J., De Baets, S. 2007. Concentrated flow erodibility of loess-derived topsoils: the impact of rainfall-induced consolidation and sealing. In Casali, J. and Giménez, R. (eds.) *Progress in Gully Erosion Research*. Universidad Publica de Navarra, Pamplona, ISBN: 978-84-9769-198-7: 66-67.
491. Poesen, J. Recent developments in gully erosion research and their implications for controlling soil loss and sediment yield. In Casali, J. and Giménez, R. (eds.) *Progress in Gully Erosion Research*. Universidad Publica de Navarra, Pamplona, ISBN: 978-84-9769-198-7: 100-101.
492. Smets, T., Langhans, C., Poesen, J., Knapen, A. 2007. Effectiveness of palm and bamboo geotextiles in reducing concentrated flow erosion. In Casali, J. and Giménez, R. (eds.) *Progress in Gully Erosion Research*. Universidad Publica de Navarra, Pamplona, ISBN: 978-84-9769-198-7: 118-119.
493. Molina, A., Govers, G., Vanacker, V., Poesen, J., Zeelmaekers E., Cisneros, F. 2007. Runoff generation in a degraded Andean ecosystem: interaction of vegetation cover and land use. *Catena* 71:357-370.
494. Rommens, T., Verstraeten, G., Peeters, I., Poesen, J., Govers, G., Van Rompaey, A., Mauz, B., Packman, S., Lang, A. 2007. Reconstruction of late-Holocene slope and dry valley sediment dynamics in a Belgian loess environment. *The Holocene* 17(6):777-788. (DOI: 10.1177/0959683607080519).
495. Achter, W.M.J., Reubens, B., Maes, W., Mathijs, E., Verschot, L., Singh, V.P., Poesen, J., Muys, B. 2007. Root architecture of the promising bio-diesel plant *Jatropha*. *Communications in Agricultural and Applied Biological Sciences*. Ghent University 72(1):81-85.
496. Fullen, M.A., Booth, C.A., Sarsby, R.W., Davies, K., Kugan, R., Bhattacharyya, R., Subedi, M., Luckhurst, D.A., Poesen, J., Smets, T., Kertész, A., Tóth, A., Szalai, Z., Jacob, G., Kozma, K., Jankauskas, B., Jankauskiene, G., Bühlmann, C., Paterson, G., Mulibana, E., Nell, J.P., van der Merwe, G.M.E., Guerra, A.J.T., Mendonça, J.K.S., Guerra, T.T., Sathler, R., Bezerra, J.F.R., Peres, S.M., Yi, Z., Yongmei, L., Li, T., Panomtarachichigul, M., Peukrai, S., Thu, D.C., Cuong, T.H., Toan, T.T., Jonsyn-Ellis, F., Jallow, S., Cole,

- A., Mulholland, B., Dearlove, M. and Corkhill, C. 2007. Contributions of biogeotextiles to sustainable development and soil conservation in developing countries: the BORASSUS Project. In Tiezzi, E., Marques, J.C., Brebbia, C.A. and Jørgenson, S.E. (Eds.). *Ecosystems and Sustainable Development Volume VI*. WIT Press, Southampton, UK, ISBN 978-1-84564-088-0, doi:10.2495/ECO070131, 123-141.
497. Knapen, A., Poesen, J., Galindo-Morales, P., De Baets, S. & Pals, A. 2007. Effects of microbiotic crusts under cropland in temperate environments on soil erodibility during concentrated flow. *Earth Surface Processes and Landforms* 32:1884-1901; (DOI:10.1002/esp.1504).
498. Ruysschaert, G., Poesen, J., Wauters, A., Govers, G. and Verstraeten, G. 2007. Factors controlling soil loss during sugar beet harvesting at the field plot scale in Belgium. *European Journal of Soil Science*, 58:1400-1409. (doi: 10.1111/j.1365-2389.2007.00945.x).
499. Beel, A., Poesen, J., Verstraeten, G. & Zenebe, A. 2007. Sedimentexport in het Gebabekken in het noordelijke Ethiopische Hoogland. *De Aardrijkskunde* 2007/2-3:15-22.
500. Ruysschaert, G. & Poesen, J. 2007. Bodemverlies door het rooien van gewassen. in Van Steertegem, M. (ed.) Milieurapport Vlaanderen, MIRA-T 2007 Focusrapport, Vlaamse Milieumaatschappij en Uitgeverij Lannoo Campus, ISBN 978 90 209 7646 5: 78-82.
501. Bomans, K., Dewaelheyns, V., Goffings, M., Gulincx, H., Govers, G., Heremans, S., Lambié, B., Meeus, S., Notebaert, B., Poesen, J., Ruysschaert, G., Stalpaert, L., Van den Bulck, S., Vandendriessche, H., Van Rompaey, A., Verstraeten, G. 2007. Milieurapport Vlaanderen, MIRA (2006), Achtergronddocument 2007, Thema Bodem. 165 p.
502. Bühmann, C., Paterson, DG, Van der Merwe, GME, Fullen, MA, Booth, CA, Mulibana, FE, Nell, JP, Sarsby, ER, Subedi, M., Poesen, J., Smets, T., Kertesz, A., Toth, A., Szalai, Z., Jankauskas, B., Guerra, A., Zheng Yi, Panomtaranichagul, M., Dao Chau Thu, Jonsyn-Ellis, F. 2007. Socio-economic production of palm geotextiles and their erosion-control and water utilization properties. Proc. ICID (International Congress on Irrigation and Drainage) 2<sup>nd</sup> African Regional Conference, Glenburn Lodge, Johannesburg, South Africa, 6-9 November 2007, CD: 13 p.
503. Leys, A., Govers, G., Gillijns, K. & Poesen, J. 2007. Conservation tillage on loamy soils: explaining the variability in interrill runoff and erosion reduction. *European Journal of Soil Science*, 58(6):1425-1436.
504. Vanacker, V. , von Blanckenburg, F. Govers, G., Molina Verdugo, A., Poesen, J., Deckers, J. A. 2007. Research Highlight. *Nature* Apr-2007, vol:446 issue:5 pages:586-586.
505. Peeters, I., Van Oost, K., Govers, G., Verstraeten, G., Rommens, T. & Poesen, J. 2008. The compatibility of erosion data at different temporal scales. *Earth and Planetary Science Letters* 265:138-152. (doi: 10.1016/j.epsl.2007.09.040).
506. de Vente, J., Poesen, J., Verstraeten, G., Van Rompaey, A., Govers, G. 2008. Spatially distributed modelling of soil erosion and sediment yield at regional scales in Spain. *Global and Planetary Change* 60:393-415. (doi:10.1016/j.gloplacha.2007.05.002).
507. Vanwalleghem, T., Van Den Eeckhaut, M., Poesen, J., Govers, G., Deckers, J. 2008. Spatial analysis of factors controlling the presence of closed depressions and gullies under forest: application of rare event logistic regression. *Geomorphology* 95:504-517. (doi: 10.1016/j.geomorph.2007.07.003).
508. Knapen, A., Poesen, J., Galindo-Morales, P., De Baets, S. & Pals, A. 2007. Effects of microbiotic crusts under cropland in temperate environments on soil erodibility during concentrated flow. *Earth Surface Processes and Landforms* 32:1884-1901; (DOI:10.1002/esp.1504).
509. De Baets, S., Poesen, J., Reubens, B., Wemans, K., De Baerdemaeker, J., Muys, B. 2008. Root tensile strength and root distribution of typical Mediterranean plant species and their contribution to soil shear strength. *Plant and Soil* 305:207-226. (doi: 10.1007/s11104-008-9553-0).

Correction (2 April 2018):

De Baets, S., Poesen, J., Reubens, B., Wemans, K., De Baerdemaeker, J. and Muys, B. 2018. Correction to: Root tensile strength and root distribution of typical Mediterranean plant species and their contribution to soil shear strength. *Plant and Soil* (2018) 426:429–430 <https://doi.org/10.1007/s11104-018-3636-3>

510. Isabirye, M., Verbist, B., Magunda, M.K., Poesen, J. & Deckers, J. 2008. Tree density and biomass assessment in agricultural systems around Lake Victoria. *African Journal of Ecology* 46(1):59-65.

511. Haregeweyn, N., Poesen, J., Deckers, J., Nyssen, J., Haile, M., Govers, G., Verstraeten, G. & Moeyersons, J. 2008. Sediment-bound nutrient export from micro-dam catchments in northern Ethiopia. *Land Degradation & Development* 19:136-152. (DOI: 10.1002/ldr.830).

512. Van Den Eeckhaut, M., Poesen, J. 2008. Syntheseopdracht met betrekking tot grondverschuivingen in de Vlaamse Ardennen. Rapport voor Vlaamse Overheid, Departement Leefmilieu, Natuur en Energie, Afdeling Land en Bodembescherming, Ondergrond, Natuurlijke Rijkdommen. Onderzoeksgroep Fysische en Regionale Geografie, K.U.Leuven: 1 – 51.

513. Nyssen, J., Poesen, J., Moeyersons, J., Mitiku Haile & Deckers, J. 2008. Dynamics of soil erosion rates and controlling factors in the Northern Ethiopian Highlands – towards a sediment budget. *Earth Surface Processes and Landforms* 33:695-711. (DOI: 10.1002/esp.1569).

514. Ruysschaert, G., Poesen, J., Notebaert, B., Verstraeten, G. & Govers, G. 2008. Spatial and long-term variability of soil loss due to crop harvesting and the importance relative to water erosion: A case study from Belgium. *Agriculture, Ecosystems and Environment* 126:217-228. (doi:10.1016/J.agee.2008.01.027).

515. Knapen, A., Poesen, J., Govers, G. & De Baets, S. 2008. The effect of conservation tillage on runoff erosivity and soil erodibility during concentrated flow. *Hydrological Processes* 22:1497-1508. (DOI:10.1002/hyp.6702).

516. Nyssen, J., Naudts, J., De Geyndt, K., Mitiku haile, Poesen, J., Moeyersons, J. & Deckers, J. 2008. Soils and land use in the Tigray Highlands (northern Ethiopia). *Land Degradation & Development* 19:257-274. (DOI: 10.1002/ldr.840).

517. Nyssen, J., Poesen, J., Nigussie Haregeweyn, Descheemaeker, K., Moeyersons, J., Govers, G., Deckers, J. & Mitiku Haile 2008. Successful conclusion of the Zala Daget project: “Fighting desertification in the Tigray Highlands: lessons to be learnt from successes and failures of soil erosion control techniques”. European Society for Soil Conservation Newsletter 2/2008: 24-29 p.

518. Vanmaercke, M., Zenebe, A., Poesen, J., Nyssen, J., Verstraeten, G., Govers, G. & Deckers, J. 2008. Magnitude and Dynamics of runoff and sediment transport in the Geba River Catchment, Northern Ethiopia. In Kertész, A. (ed.) “Soil and Water Conservation, Climatic Change and Environmental Sensitivity”. Proceedings. 15<sup>th</sup> International Congress of ISCO (International Soil Conservation Organisation), 18-23 May 2008, Geographical Research Institute, Hungarian Academy of Sciences, Budapest, 4 pp. ISBN 978 963 9545 20 5.

519. Subedi, M., Fullen, M.A., Booth, C.A., Sarsby, R.W., Poesen, J., Kertész, A., Jankauskas, B., Bhattacharyya, R., Kugan, R., Smets, T., Toth, A., Szalai, Z. & Jankauskienė, G. 2008. The contribution of biogeotextiles to sustainable development and soil conservation in European countries: The BORASSUS Project. In Kertész, A. (ed.) “Soil and Water Conservation, Climatic Change and Environmental Sensitivity”. Proceedings. 15<sup>th</sup> International Congress of ISCO (International Soil Conservation Organisation), 18-23 May 2008, Geographical Research Institute, Hungarian Academy of Sciences, Budapest, 5 pp. ISBN 978 963 9545 20 5.

520. Smets, T., Poesen, J. A. Knapen 2008. Spatial scale effects on the effectiveness of organic mulches in reducing soil erosion by water. *Earth-Science Reviews* 89:1-12. (doi:10.1016/j.earscirev.2008.04.001).

521. Molina, A., Govers, G., Poesen, J., Van Hemelryck H., De Bièvre, B., Vanacker, V. 2008. Environmental factors controlling spatial variation in sediment yield in a central Andean mountain area. *Geomorphology* 98:176-186. (doi:10.1016/j.geomorph.2006.12.025).

522. Van Den Eeckhaut, M. & Poesen, J. 2008. Kartering van verglijdingsgevoelige gebieden via analyse van kaarten afgeleid van LIDAR: een gevalstudie in de Vlaamse Ardennen. in VITO (ed.), Syllabus Studiedag Toegepaste geologische kartering in Vlaanderen en op het continentaal plat: nieuwe toepassingen en digitale technieken. Vito, Mol, Belgium, 12 June 2008: 2008/MAT/R/112:21p.
523. Achten, W., Dondeyne, S., Mugogo, S., Kafiriti, E., Poesen, J., Deckers, J. Muys, B. 2008. Gully erosion in South Eastern Tanzania: spatial distribution and topographic thresholds. *Z. Geomorph.* 52 (2):225-235. (DOI: 10.1127/0372-8854/2008/0052-0225).
524. Dewitte,O., Jasselette, J.-C., Cornet, Y., Van Den Eeckhaut, M., Collignon, A., Poesen, J., Demoulin, A. 2008. Tracking landslide displacements by Multi-temporal DTM's: A combined aerial stereophotogrammetric and LIDAR approach in western Belgium. *Engineering Geology* 99:11-22. (doi:10.1016/j.enggeo.2008.02.006).
525. Salvador Sanchis, M.P., Torri, D., Borselli, L. & Poesen, J. 2008. Climate effects on soil erodibility. *Earth Surface Processes and Landforms* 33:1082-1097. (DOI: 10.1002/esp.1604).
526. Nyssen, J., Poesen, J., Nigussie Haregeweyn, N. & Parsons, T. 2008. Environmental change, geomorphic processes and land degradation in tropical highlands. *Catena* 75(1):1-4 (doi:10.1016/j.catena.2008.04.010).
527. Kimaro, D.N., Poesen, J., Msanya, B.M. & Deckers, J.A. 2008. Magnitude of soil erosion on the northern slope of the Uluguru Mountains, Tanzania: Interrill and rill erosion. *Catena* 75(1):38-44.(doi:10.1016/j.catena.2008.04.007).
528. Moeyersons, J., Van Den Eeckhaut, M., Nyssen, J., Tesfamichael Gebreyohannes, Van de Wauw, J., Hofmeister, J., Poesen, J., Deckers, J., Haile Mitiku 2008. Mass movement mapping for geomorphological understanding and sustainable development: Tigray, Ethiopia. *Catena* 75(1):45-54 (doi:10.1016/j.catena.2008.04.004).
529. Munro, R.N., Deckers, J., Mitiku Haile, Grove, A.T., Poesen, J., Nyssen, J. 2008. Soil landscapes, land cover change and erosion features of the Central Plateau region of Tigrai, Ethiopia: Photo-monitoring with an interval of 30 years. *Catena* 75(1):55-64 (doi:10.1016/j.catena.2008.04.009).
530. Nigussie Haregeweyn, Poesen, J., Nyssen, J., Govers, G., Verstraeten, G., de Vente, J., Deckers, J., Moeyersons, J. & Mitiku Haile 2008. Sediment yield variability in Northern Ethiopia: A quantitative analysis of its controlling factors. *Catena* 75(1):65-76 (doi:10.1016/j.catena.2008.04.011).
531. Turkelboom, F., Poesen, J. & Trébuil, G. 2008. The multiple land degradation effects caused by land-use intensification in tropical steppelands: A catchment study from northern Thailand. *Catena* 75(1):102-116 (doi:10.1016/j.catena.2008.04.012).
532. Van de Wauw, J., Baert, G., Moeyersons, J., Nyssen, J., De Geyndt, K., Nurhussein Taha, Amanuel Zenebe, Poesen, J., Deckers, J. 2008. Soil-landscape relationships in the basalt-dominated highlands of Tigray, Ethiopia. *Catena* 75(1):117-127 (doi:10.1016/j.catena.2008.04.006).
533. Dusar, M., Matthijs, J., Dreesen, R. & Poesen, J. 2008. Cirkelvormige depressies in de vlakte van Bocholt. LIKONA Jaarboek 2007, 17 (D/2008/5857/43):20-35.
534. Descheemaeker, K., Poesen, J., Borselli, L., Nyssen, J., Raes, D., Mitiku Haile, Muys, B. & Deckers, J. 2008. Runoff curve numbers for steep hillslopes with natural vegetation in semi-arid tropical highlands, northern Ethiopia. *Hydrological Processes* 22:4097-4105. (DOI: 10.1002/hyp.7011).
535. Nyssen, J., Poesen, J., Descheemaeker, K., Nigussie Haregeweyn, Mitiku Haile, Moeyersons, J., Frankl, A., Govers, G., Munro, N. & Deckers, J. 2008. Effects of region-wide soil and water conservation in semi-arid areas: the case of northern Ethiopia. *Zeitschrift für Geomorphologie* 52(3):291-315. (DOI:10.1127/0372-8854/2008/0052-0291).

536. Masaru Abuku, Janssen, H., Poesen, J. & Roels, S. 2009. Impact, absorption and evaporation of raindrops on building facades. *Building and Environment* 44:113-124. (doi:10.1016/j.buildenv.2008.02.001).
537. Haregeweyn, N., Poesen, J., Paridaens, K., Nyssen, J., Moeyersons, J., Deckers, J., Verstraeten, G., Wolde Mekuria, Mitiku Haile, Govers, G., 2008. Le coût des nutriments de sol s'accumulant dans les lacs de retenue au Tigré (Ethiopie septentrionale). In: Roose, E., Albergel, J., De Noni, G., Laouina, A., Sabir, M. (Eds.) : Efficacité de la gestion de l'eau et de la fertilité des sols en milieux semi-arides. Actes de la session VII organisée par le Réseau E-GCES de l'AUF au sein de la conférence de l'ISCO de Marrakech (Maroc), du 14 au 19 mai 2006. Editions des Archives Contemporaines, Paris: 139-147. (ISBN 978-2-914610-76-6).
538. Moeyersons, J., Nyssen, J., Poesen, J., Deckers, J., Mitiku Haile, 2008. Efficacité de la gestion conservatoire des eaux et des sols au Tigré, Ethiopie. In: Roose, E., Albergel, J., De Noni, G., Laouina, A., Sabir, M. (Eds.): Efficacité de la gestion de l'eau et de la fertilité des sols en milieux semi-arides. Actes de la session VII organisée par le Réseau E-GCES de l'AUF au sein de la conférence de l'ISCO de Marrakech (Maroc), du 14 au 19 mai 2006. Editions des Archives Contemporaines, Paris: 269-273. (ISBN 978-2-914610-76-6).
539. Moeyersons, J., Nyssen, J., Poesen, J., Deckers, J., Haile, M., Van De Wauw, J. & Hofmeister, J. 2008. Les mouvements de masse et leur signification géomorphologique au Tigré, Ethiopie. In Roose, E., Albergel, J., De Noni, G., Sabir, M., Laouina, A. (Eds.). Efficacité de la gestion de l'eau et de la fertilité des sols en milieux semi-arides. Actes de la session VII organisée par le Réseau E-GCES de l'AUF au sein de la conférence de l'ISCO de Marrakech (Maroc), du 14 au 19 mai 2006. Editions des Archives Contemporaines, Paris: 398-402. (ISBN 978-2-914610-76-6).
540. De Baets, S., Torri, D., Poesen, J., Salvador, M.P. & Meersmans, J. 2008. Modelling increased soil cohesion due to roots with EUROSEM. *Earth Surface Processes and Landforms* 33:1948-1963. (doi: 10.1002/esp.1647).
541. Vanmaercke, M., Poesen, J., Verstraeten, G. & Zenebe, A. 2008. Grootteerde en dynamiek van sedimentexport in het Geba Bekken, Noord Ethiopische Hoogland. *De Aardrijkskunde* 32, 2008/3-4:79-90.
542. Abuku, M., Jansen, H., Poesen, J., Roels, S. 2008. Surface phenomena of wind-driven raindrops on porous building walls. In Rode, S. (ed.). Proceedings of the IEA ECBCS Annex 41 Closing Seminar, 19 June 2008, Dept. of Civil Engng., Technical University of Denmark, Kgs. Lyngby, Denmark:93-104.
543. Smets, T., Poesen, J. & Bochet, E. 2008. Impact of plot length on the effectiveness of different soil-surface covers in reducing runoff and soil loss by water. *Progress in Physical Geography* 32(6):654-677 (DOI: 10.1177/0309133308101473).
544. Nyssen, J., Munro, R.N., Poesen, J., Moeyersons, J., Frankl, A., Deckers, J., Mitiku Haile, Grove, A.T., 2008. Desertification and resilience in the densely populated and semi-arid highlands of northern Ethiopia ? evidence from photo monitoring with 140 years interval. In: Gabriels, D., Cornelis, W., Eyletters, M., Hollebosch, P., Combating desertification ? assessment, adaptation and mitigation strategies. Proceedings of the Conference on Desertification, Ghent, 24 January 2008. UNESCO Centre for Eremology, Ghent University, Belgium: 82-91. ISBN:978-90-5989-271-2.
545. Knapen, A., Poesen, J., De Baets, S. 2008. Rainfall-induced consolidation and sealing effects on soil erodibility during concentrated runoff for loess-derived topsoils. *Earth Surface Processes and Landforms* 33:444-458 (DOI: 10.1002/esp.1566).
546. Abonyo, C.K., Isabirye, M., Mfitumukiza, D., Magunda, M.K., Poesen, J., Deckers, J. 2008. Land use change and local people's perception of the effects of change in Ssese islands, Uganda. Proceedings International Conference on "Global Dialogues on Emerging Science and Technology (GDEST)", Theme: 'Geospatial Science and Sustainable Development in Africa'. Cape Town, South Africa, 17-19, March, 2008. Organizers and publishers: US Department of State, Office of the Science and Technology Adviser and Office of the Geographer and Global Issues: 25 pp.
547. Notebaert, B., Verstraeten, G., Govers, G. & Poesen, J. 2009. Qualitative and quantitative application of LiDAR imagery in fluvial geomorphology. *Earth Surface Processes and Landforms* 34:217-231. (DOI:10.1002/esp.1705).

548. Van Den Eeckhaut, M., Poesen, J., Van Gils, M. & Van Rompaey, A. 2009. How do humans interact with their environment in residential areas prone to landsliding? A case-study from the Flemish Ardennes. In Malet, J., Remaitre, A. & Bogaard, T. (eds.) *Landslide Processes. From geomorphologic mapping to dynamic modelling. Proceedings of the landslide processes conference. A tribute to Dr. Theo van Asch.* CEREG Editions, Strasbourg, France: 19-24.  
ISBN 2-9518337-1-4.
549. Alemayehu, Fikir., Taha, N., Nyssen, J., Girma, A., Zenebe A., Behailu, M., Deckers, J., Poesen, J. 2009. The impacts of watershed management on land use and land cover dynamics in eastern Tigray (Ethiopia). *Resources, Conservation and Recycling* 53(4):192-198. (doi:10.1016/j.resconrec.2008.11.007).
550. Rossi, J., Govaerts, A., De Vos, B., Verbist, B., Vervoort, A., Poesen, J., Muys, B. & Deckers, J. 2009. Spatial structures of soil organic carbon in tropical forests – A case study of Southeastern Tanzania. *Catena* 77:19-27. (doi:10.1016/j.catena.2008.12.003).
551. Van Den Eeckhaut, M., Moeyersons, J., Nyssen, J., Abraha, A., Poesen, J., Mitiku Haile, Deckers, J. 2009. Spatial patterns of old, deep-seated landslides: a case-study in the northern Ethiopian highlands. *Geomorphology* 105: 2239-252. (doi:10.1016/j.geomorph.2008.09.027).
552. Nyssen, J., Frankl, A., Mitiku Haile, Munro, R.N., Poesen, J., Grove, A.T., Deckers, J., 2009. North Ethiopian highland landscapes rephotographed. In: Van Eetvelde, V., Sevenant, M., Van De Velde, L., Re-Marc-able Landscapes ? Liber Amicorum Marc Antrop. Gent, Academia Press: 217-234. ISBN 978 90 382 1379 8.
553. Smets, T., Poesen, J., Langhans, C., Knapen, A. & Fullen, M. 2009. Concentrated flow erosion rates reduced through biological geotextiles. *Earth Surface Processes and Landforms* 34:493-502. (DOI:10.1002/esp.1729).
554. Descheemaeker, K., Muys, B., Nyssen, J., Sauwens, W., Mitiku Haile, Poesen, J., Raes, D., Deckers, J. 2009. Humus Form Development during Forest Restoration in Exclosures of the Tigray Highlands, Northern Ethiopia. *Restoration Ecology* 17 (2):280-289. (doi:10.1111/j.1526-100X.2007.00346.x).
555. Nyssen, J., Mitiku Haile, Naudts, J., Munro, R.N., Poesen, J., Moeyersons, J., Frankl, A., Deckers, J., Pankhurst, R., 2009. Desertification? Northern Ethiopia re-photographed after 140 years. *Science of the Total Environment*, 407: 2749-2755; Appendix A. Supplementary data:1-16. (doi:10.1016/j.scitotenv.2008.12.016).
556. Notebaert, B., Verstraeten, G., Rommens, T., Vanmontfort, B., Govers, G. & Poesen, J. 2009. Establishing a Holocene sediment budget for the river Dijle. *Catena* 77 (2):150-163. (doi:10.1016/j.catena.2008.02.001).
557. Van Den Eeckhaut, M., Muys, B., Van Loy, K., Poesen, J. & Beeckman, H. 2009. Evidence for repeated re-activation of old landslides under forest. *Earth Surface Processes and Landforms* 34:352-365. (DOI:10.1002/esp.1727).
558. Van Den Eeckhaut, M., Reichenbach, P., Guzetti, F., Rossi, M. & Poesen, J. 2009. Combined landslide inventory and susceptibility assessment based on different mapping units: an example from the Flemish Ardennes, Belgium. *Natural Hazards and Earth System Sciences*, 9, 507-521. ([www.nat-hazards-earth-syst-sci.net/9/507/2009/](http://www.nat-hazards-earth-syst-sci.net/9/507/2009/))
559. Nyssen, J., Poesen, J. & Deckers, J. 2009. Land degradation and soil and water conservation in tropical highlands. *Soil & Tillage Research* 103:197-202. (doi:10.1016/j.still.2008.08.002).
560. Smets, T. & Poesen, J. 2009. Impacts of soil tilth on the effectiveness of biological geotextiles in reducing runoff and interrill erosion. *Soil & Tillage Research* 103:356-363. (doi:10.1016/j.still.2008.11.001).

561. Dewitte, O., Van Den Eeckhaut, M., Poesen, J. & Demoulin, A. 2009. Decadal-scale analysis of ground movements in old landslides in western Belgium. *Zeitschrift für Geomorphologie* NF 53(1):23-45. (DOI:10.1127/0372-8854/2009/0053-0023).
562. Verstraeten, G., Rommens, T., Peeters, I., Poesen, J., Govers, G. & Lang, A. 2009. A temporarily changing Holocene sediment budget for a loess-covered catchment (central Belgium). *Geomorphology* 108:24-34. (doi:10.1016/j.geomorph.2007.03.022).
563. Descheemaeker, K., Raes, D., Nyssen, J., Poesen, J., Mitiku Haile & Deckers, J. 2009. Changes in water flows and water productivity upon vegetation regeneration on degraded hillslopes in northern Ethiopia: a water balance modelling exercise. *Rangeland Journal* 31(2):237-259. (DOI 10.1071/RJ09010).
564. Nyssen, J., Poesen, J., Mitiku Haile, Moeyersons, J., Deckers, J., Hurni, H., 2009. Effects of land use and land cover on sheet and rill erosion rates in the Tigray Highlands, Ethiopia. *Zeitschrift für Geomorphologie*, 53(2):171-197. (DOI:10.1127/0372-8854/2009/0053-0171).
565. Walraevens, K., Vandecasteele, I., Martens, K., Nyssen, J., Moeyersons, J., Tesfamichael Gebreyohannes, De Smedt, F., Poesen, J., Deckers, J. & Van Camp, M. 2009. Groundwater recharge and flow in a small mountain catchment in northern Ethiopia. *Hydrological Sciences Journal* 54(4):739-753.
566. de Figueiredo, T., Ferreira, A.G., Gonçalves, D.A. & Poesen, J. 2009. Temporal changes on the effect of rock fragments in interrill soil loss: a simulation experiment and a simple descriptive model. *Revista de Ciências Agrárias (Portugal)* XXXI (1):397-406.
567. Kitutu, M.G., Muwanga, A., Poesen, J. & Deckers, J. 2009. Influence of soil properties on landslide occurrences in Bududa district, eastern Uganda. *African Journal of Agricultural Research* 4(7):611-620.
568. Knapen, A., Smets, T. & Poesen, J. 2009. Flow-retarding effects of vegetation and geotextiles on soil detachment during concentrated flow. *Hydrological Processes* 23:2427-2437. (DOI: 10.1002/hyp.7360).
569. Nyssen, J., Clymans, W., Poesen, J., Vandecasteele, I., De Baets, S., Nigussie Haregeweyn, Naudts, J., Amanuel Hadera, Moeyersons, J., Mitiku Haile & Deckers, J. 2009. How soil conservation affects the catchment sediment budget – a comprehensive study in the north Ethiopian highlands. *Earth Surface Processes and Landforms* 34:1216-1233. (DOI: 10.1002/esp.1805).
570. De Baets, S., Poesen, J., Reubens, B., Muys, B., De Baerdemaeker, J. & Meersmans, J. 2009. Methodological framework to select plant species for controlling rill and gully erosion: application to a Mediterranean ecosystem. *Earth Surface Processes and Landforms* 34:1374-1392. (DOI: 10.1002/esp.1826).
571. Marzolff, I. & Poesen, J. 2009. The potential of 3D gully monitoring with GIS using high-resolution aerial photography and a digital photogrammetry system. *Geomorphology* 111:48-60. (doi:10.1016/j.geomorph.2008.05.047).
572. Van Den Eeckhaut, M. & Poesen, J. 2009. Uitbreiding (fase 3) van de gevoeligheidskaart voor grondverschuivingen in Vlaanderen. Eindrapport (augustus 2009) in opdracht van de Vlaamse Overheid, Departement Leefmilieu, Natuur en Energie, Afdeling Land en Bodembescherming, Ondergrond, Natuurlijke Rijkdommen, LA BOD/STUD/2008/02; Eindrapport 168 pp; Bijlage 1: De steekkaarten opgesteld voor bezochte grondverschuivingen in cluster 1 (West-Vlaams Heuvelland; 159 pp); Bijlage 2: De steekkaarten opgesteld voor bezochte grondverschuivingen in cluster 4 (Pajottenland; 209 pp); Bijlage 3: Overzicht van bezochte sites zonder grondverschuivingen in cluster 1 (West-Vlaams Heuvelland; 51 pp); Bijlage 4: Overzicht van bezochte sites zonder grondverschuivingen in cluster 4 (Pajottenland; 119 pp).
573. Deckers, J. & Poesen, J. 2009. Understanding soil diversity and ecosystem evolution in Meerdaal Forest. In Hugenroth, P. (editor). *Böden – eine endliche Ressource. Excursionsführer Jahrestagung der Deutschen Bodenkundlichen Gesellschaft 5-13 September 2009. Universität Bonn. Deutsche Bodenkundliche Gesellschaft*, Band 112-2009:46-50. (ISSN – 0343-1071).
574. Maetens, W., Vanmaercke, M., Poesen, J. 2009. Assessment of the effectiveness of soil and water conservation measures in reducing runoff and soil loss: establishment of a European database. In Romero

- Diaz, A., Belmonte Serrato, F., Alonso Sarria, F. López Bermúdez, F. (eds.). Advances in studies on desertification. Contributions to the international conference on desertification in memory of Professor John B. Thornes (Murcia 2009), ICOD 2009. ISBN 978-84-8371-888-9: 303-306.
575. Nadal Romero, E., Verachtert, E., Poesen, J. 2009. Pinhole test for identifying susceptibility of soils to piping erosion: effect of water quality and hydraulic head. In Romero Diaz, A., Belmonte Serrato, F., Alonso Sarria, F. López Bermúdez, F. (eds.). Advances in studies on desertification. Contributions to the international conference on desertification in memory of Professor John B. Thornes (Murcia 2009), ICOD 2009. ISBN 978-84-8371-888-9:351-354.
576. Verachtert, E., Van Den Eeckhaut, M., Poesen, J., Deckers, J. 2009. Characteristics and distribution of soil piping erosion in loess-derived soils of Belgium. In Romero Diaz, A., Belmonte Serrato, F., Alonso Sarria, F. López Bermúdez, F. (eds.). Advances in studies on desertification. Contributions to the international conference on desertification in memory of Professor John B. Thornes (Murcia 2009), ICOD 2009. ISBN 978-84-8371-888-9:435-438.
577. Bochet, E., Garcia-Fayos, P., Poesen, J. 2009. Erosion, water availability and plant characteristics control plant colonization on semiarid eroded slopes. In Romero Diaz, A., Belmonte Serrato, F., Alonso Sarria, F. López Bermúdez, F. (eds.). Advances in studies on desertification. Contributions to the international conference on desertification in memory of Professor John B. Thornes (Murcia 2009), ICOD 2009. ISBN 978-84-8371-888-9: 519-522.
578. De Baets, S., Poesen, J., Muys, B. 2009. Evaluation of Mediterranean plants for controlling gully erosion. In Romero Diaz, A., Belmonte Serrato, F., Alonso Sarria, F. López Bermúdez, F. (eds.). Advances in studies on desertification. Contributions to the international conference on desertification in memory of Professor John B. Thornes (Murcia 2009), ICOD 2009. ISBN 978-84-8371-888-9:535-538.
579. Deckers, J., Langohr, R., Poesen, J., Vancampenhout, K. 2009. Natuur en cultuur volgens de bodem. In Baeté, H., De Bie, M., Hermy, M., Van den Bremt, P. (eds.). Miradal. Erfgoed in Heverleebos en Meerdaalwoud. Davidsfonds, Leuven. ISBN 978-90-5826-624-8: 34-45.
580. Poesen, J., Vanwalleghem, T., Van Den Eeckhaut, M., Deckers J. 2009. Littekens in het landschap. In Baeté, H., De Bie, M., Hermy, M., Van den Bremt, P. (eds.). Miradal. Erfgoed in Heverleebos en Meerdaalwoud. Davidsfonds, Leuven. ISBN 978-90-5826-624-8:76-87.
581. Van Den Eeckhaut, M., Poesen, J., Vandekerckhove, L., Van Gils, M., Van Rompaey, A. 2009. How do humans interact with their environment in residential areas prone to landsliding? A case-study from the Flemish Ardennes. *Acta Geografica Lovaniensia* 38:299-322.
582. Nyssen, J., Descheemaeker, K., Zenebe, A., Poesen, J., Deckers, J. & Mitiku Haile 2009. Transhumance in the Tigray Highlands (Ethiopia). *Mountain Research and Development* 29(3):255-264; supporting materials: supporting online materials:1-4. (open access journal: <http://dx.doi.org/doi:10.1659/mrd.00033>).
583. Molina, A., Govers, G., Van den Putte, A., Poesen, J., and Vanacker, V. 2009. Assessing the reduction of the hydrological connectivity of gully systems through vegetation restoration: field experiments and numerical modelling. *Hydrology and Earth System Sciences* 13:1823-1836. [www.hydrol-earth-syst-sci.net/13/1823/2009/](http://www.hydrol-earth-syst-sci.net/13/1823/2009/)
584. Bochet, E., Garcia-Fayos, P. & Poesen, J. 2009. Topographic thresholds for plant colonization on semi-arid eroded slopes. *Earth Surface Processes and Landforms* 34:1758-1771. (DOI:10.1002/esp.1860).
585. Reubens, B., Poesen, J., Nyssen, J., Leduc, Y., Amanuel Z. Abraha, Tewoldeberhan, S., Bauer, H., Kindeya Gebrehiwot, Deckers, J., Muys, B. 2009. Establishment and management of woody seedlings in gullies in a semi-arid environment (Tigray, Ethiopia). *Plant and Soil* 324:131-156. (DOI 10.1007/s11104-009-0097-8).
586. Reubens, B., Pannemans, B., Danjon, F., De Proft, M., De Baets, S., De Baerdemaeker, J., Poesen, J. & Muys, B. 2009. The effect of mechanical stimulation on root and shoot development of young

containerised *Quercus robur* and *Robinia pseudoacacia* trees. *Trees Structure and Function* 23:1213-1228. (DOI 10.1007/s00468-009-0360-x).

587. de Vente, J., Poesen, J., Govers, G. & Boix-Fayos, C. 2009. The implications of data selection for regional erosion and sediment yield modelling. *Earth Surface Processes and Landforms* 34:1994-2007. (DOI: 10.1002/esp.1884).
588. Salvador Sanchis, M.P., Torri, D., Borselli, D., Bryan, R. Poesen, J., Yañez, M.S., Cremer, C. 2009. Estimating parameters of the channel width-flow discharge relation using rill and gully channel junction data. *Earth Surface Processes and Landforms* 34:2023-2030. (DOI:10.1002/esp.1887).
589. Wauters, E., Bielders, C., Poesen, J., Govers, G. & Mathijs E. 2010. Adoption of soil conservation practices in Belgium: An examination of the theory of planned behaviour in the agri-environmental domain. *Land Use Policy* 27:86-94. (doi:10.1016/j.landusepol.2009.02.009).
590. Verbist, B., Poesen, J., van Noordijk, M., Widianto, Didik Suprayogo, Fahmuddin Agus, Deckers, J. 2010. Factors affecting soil loss at plot scale and sediment yield at catchment scale in a tropical volcanic agroforestry landscape. *Catena* 80:34-46. (doi:10.1016/j.catena.2009.08.007).
591. Aerts, R., Finneran, N., Mitiku Haile, Poesen, J. 2010. The accumulation of stone age lithic artifacts in rock fragment mulches in Northern Ethiopia. *Geoarchaeology: An International Journal* 25(1):137-148. (DOI:10.1002/gea.20299).
592. Smets, T., Poesen, J., Bhattacharyya, R., Fullen, M.A., Booth, C.A., Subedi, M., Kertész, A., Szalai, Z., Toth, A., Jankauskas, B., Jankauskiene, G., Bühmann, C., Guerra, A., Bezerra, J.F.R., Zhang, Y., Panomtaranichagul, M. 2010. Evaluation of biological geotextiles for reduction of runoff and soil loss. In Sarsby, R.W. & Meggyes, T. (eds.). *Construction for a Sustainable Environment*. CRC Press/Balkema, Leiden, The Netherlands, ISBN: 978-0-415-56617-9: 509-520.
593. Van Den Eeckhaut, M., Marre, A., Poesen, J. 2010. Comparison of two landslide susceptibility assessments in the Champagne-Ardenne region (France). *Geomorphology* 115:141-155. (doi:10.1016/j.geomorph.2009.09.042).
594. Dereje Ashebir, Deckers, T., Nyssen, J., Wubetu Bihon, Alemtsehay Tsegay, Hailemariam Tekie, Poesen, J., Mitiku Haile, Fekadu Wondumagegneheu, Raes, D., Mintesinot Beghailu, Deckers, J. 2010. Growing apple (*malus domestica*) under tropical mountain climate conditions in northern Ethiopia. *Experimental Agriculture* 46(1):53-65. (doi:10.1017/S0014479709990470).
595. Knapen, A. & Poesen, J. 2010. Soil erosion resistance effects on rill and gully initiation points and dimensions. *Earth Surface Processes and Landforms* 35:217-228. (DOI:10.1002/esp.1911).
596. Nyssen, J., Poesen, J., Moeyersons, J., Deckers, J. & Mitiku Haile 2010. Genèse de rideaux suite à la culture attelée: observations en Ethiopie pour mieux comprendre les paysages ruraux européens. *Bulletin de la Société Géographique de Liège* 54:117-122.
597. Verachtert, E., Van Den Eeckhaut, M., Poesen, J. & Deckers, J. 2010. Factors controlling the spatial distribution of soil piping erosion on loess-derived soils: a case study from central Belgium. *Geomorphology* 118: 339-348. (doi:10.1016/j.geomorph.02.001).
598. De Baets, S. and Poesen, J.2010. Empirical models for predicting the erosion-reducing effects of plant roots during concentrated flow erosion. *Geomorphology* 118:425-432. (doi:10.1016/j.geomorph.2010.02.011).
599. Frankl, A., Nyssen, J., De Dapper, M., Haile, M., Deckers, J., Poesen, J. 2010. Trends in gully erosion as evidenced from repeat photography (North Ethiopia). In Zglobicki W. (ed.) *Human Impact on Gully Erosion. 5<sup>th</sup> International Symposium on Gully Erosion*, Maria-Curie Skłodowska University in Lublin, Poland, 19-24 April 2010, Book of abstracts (ISBN 978-83-89720-54-2):33-34.
600. Haregeweyn, N., Poesen, J., Nyssen, J., Deckers, J. 2010. Gully-head retreat rates and controlling factors for gully initiation in the northern Ethiopian highlands. In Zglobicki W. (ed.) *Human Impact on Gully*

Erosion. 5<sup>th</sup> International Symposium on Gully Erosion, Maria-Curie Skłodowska University in Lublin, Poland, 19-24 April 2010, Book of abstracts (ISBN 978-83-89720-54-2):41-42.

601. Li, Y., Yu, H.Y., Geng, X.C., Poesen, J., Liu, Q. 2010. Initiation of gullies in response to fine root systems and coverage of shrubs and grasses under ecological forests in SW China. In Zglobicki W. (ed.) Human Impact on Gully Erosion. 5<sup>th</sup> International Symposium on Gully Erosion, Maria-Curie Skłodowska University in Lublin, Poland, 19-24 April 2010, Book of abstracts (ISBN 978-83-89720-54-2):60-61.
602. Martinez-Murillo, J.F., Nadal-Romero, E., Vanmaercke, M., Poesen, J. 2010. Scale effects on sediment yield from badlands in Mediterranean environments. In Zglobicki W. (ed.) Human Impact on Gully Erosion. 5<sup>th</sup> International Symposium on Gully Erosion, Maria-Curie Skłodowska University in Lublin, Poland, 19-24 April 2010, Book of abstracts (ISBN 978-83-89720-54-2):67-68.
603. Martinez-Murillo, J.F., Lopez-Vicente, M., Poesen, J., Ruiz-Sinoga, J.D. 2010. Modelling the effects of land use changes on runoff and soil erosion in two Mediterranean catchments with active gullies (south of Spain). In Zglobicki W. (ed.) Human Impact on Gully Erosion. 5<sup>th</sup> International Symposium on Gully Erosion, Maria-Curie Skłodowska University in Lublin, Poland, 19-24 April 2010, Book of abstracts (ISBN 978-83-89720-54-2):69-71.
604. Marzolff, I., Poesen, J., Ries, J.B. 2010. Short to medium-term gully development: human activity and gully erosion variability in selected Spanish gully catchments. In Zglobicki W. (ed.) Human Impact on Gully Erosion. 5<sup>th</sup> International Symposium on Gully Erosion, Maria-Curie Skłodowska University in Lublin, Poland, 19-24 April 2010, Book of abstracts (ISBN 978-83-89720-54-2):71-73.
605. Nadal-Romero, E., Verachtert, E. Poesen, J. 2010. Pinhole test for identifying susceptibility of different horizons in loess-derived soils to piping erosion. In Zglobicki W. (ed.) Human Impact on Gully Erosion. 5<sup>th</sup> International Symposium on Gully Erosion, Maria-Curie Skłodowska University in Lublin, Poland, 19-24 April 2010, Book of abstracts (ISBN 978-83-89720-54-2):83-84.
606. Reubens, B., Poesen, J., Muys, B. 2010. Woody vegetation for gully rehabilitation in northern Ethiopia: species suitability, root structure, and seedling establishment, growth and management. In Zglobicki W. (ed.) Human Impact on Gully Erosion. 5<sup>th</sup> International Symposium on Gully Erosion, Maria-Curie Skłodowska University in Lublin, Poland, 19-24 April 2010, Book of abstracts (ISBN 978-83-89720-54-2):93.
607. Verachtert, E., Devoldere, S., Van Den Eeckhaut, M., Poesen, J., Deckers, J. 2010. Impact of land use and soil properties on piping in Belgium. In Zglobicki W. (ed.) Human Impact on Gully Erosion. 5<sup>th</sup> International Symposium on Gully Erosion, Maria-Curie Skłodowska University in Lublin, Poland, 19-24 April 2010, Book of abstracts (ISBN 978-83-89720-54-2):122-123.
608. Vanmaercke, M., Zenebe, A., Poesen, J., Nyssen, J., Verstraeten, G., Deckers, J. 2010. Sediment dynamics and the role of flash floods in sediment export from medium-sized catchments: a case study from the semi-arid tropical highlands in northern Ethiopia. *Journal of Soils and Sediments* 10:611-627 (DOI 10.1007/s11368-010-0203-9).
609. Bhattacharyya, R., Smets, T., Fullen, M.A., Poesen, J., Booth, C.A. 2010. Effectiveness of geotextiles in reducing runoff and soil loss: A synthesis. *Catena* 81:184-195. (doi:10.1016/j.catena.2010.03.003).
610. Nyssen, J., Clymans, W., Descheemaeker, K., Poesen, J., Vandecasteele, I., Vanmaercke, M., Amanuel Zenebe, Van Camp, M., Mitiku Haile, Nigussie Haregeweyn, Moeyersons, J., Martens, K., Tesfamichael Gebreyohannes, Deckers, J., Walraevens, K., 2010. Impact of soil and water conservation on catchment hydrological response - a case in north Ethiopia. *Hydrological Processes*, 24(13): 1880-1895. (DOI: 10.1002/hyp.7628).
611. Msita, H.B., Kimaro, D.N., Deckers, J. and Poesen, J. 2010. Identification and assessment of indigenous soil erosion control measures in the Usambara Mountains, Tanzania. Chapter 3 in Earl T. Nardali (Editor). *No-Till Farming: Effects on Soil, Pros and Cons and Potential*. Agriculture Issues and Policies Series. ISBN: 978-1-60741-402-5. Nova Science Publishers Inc, New York:49-74.
612. Kimaro, D.N., Poesen, J., Deckers, J. and Msita, H.B. 2010. Magnitude and severity of channel irrigation-induced landslides on different cultivation systems in the vegetable growing area of the Uluguru

mountains, Tanzania. Chapter 7 in Earl T. Nardali (Editor). No-Till Farming: Effects on Soil, Pros and Cons and Potential. Agriculture Issues and Policies Series. ISBN: 978-1-60741-402-5. Nova Science Publishers Inc, New York:129-144.

613. Kimaro, D.N., Poesen, J., Deckers, J.A. and Msita, H. B. 2010. Effects of Agroecological Conditions and Slope Gradient on Tillage Erosion in the Northern Slopes of the Uluguru Mountains, Tanzania. Chapter 9 in Earl T. Nardali (Editor). No-Till Farming: Effects on Soil, Pros and Cons and Potential. Agriculture Issues and Policies Series. ISBN: 978-1-60741-402-5. Nova Science Publishers Inc, New York:159-172.
614. Vanmaercke M., Poesen J., Verstraeten G., Maetens W., de Vente J., Ocakoglu F. 2010 Sediment yield in Europe: regional differences in scale dependence. In: Banasik K., Horowitz A., Owens P., Stone M., Walling D. (Eds.) Sediment Dynamics for a Changing Future (Proceedings of the ICCE symposium held at Warsaw University of Life Sciences – SGGW, Poland 14–18 June 2010). IAHS Publ. 337:44-52. (ISBN 978-1-907161-10-0).
615. Vanwalleghem T., Poesen, J., McBratney A. & Deckers J. 2010. Spatial variability of soil horizon depth in natural loess-derived soils. *Geoderma* 157:37-45. (doi:10.1016/j.geoderma.2010.03.013).
616. Vanmaercke, M., Poesen, J., Verstraeten G., Maetens W., de Vente J., Ocakoglu F. 2010. Regional differences and scale dependency of sediment yield in Europe. In JFIC2010 (Ed.) Hydrology and Sedimentation for a Changing Future: Existing and Emerging Issues. Proc. of the Joint Federal Interagency Hydrologic Modelling and Sedimentation Conference 2010, June 27 – July 1, 2010, Las Vegas, NV, USA, Book of Abstract: p. 226 (ISBN 978-0-9779007-2-5) and Extended abstract on CD ROM: 11pp. (ISBN 978-0-9779007-3-2).
617. Van Den Eeckhaut, M., Poesen, J., Vandekerckhove, L., Van Gils, M., Van Rompaey, A. 2010. Human-environment interactions in residential areas susceptible to landsliding: the Flemish Ardennes case study. *Area* 42(3):339-358. (doi: 10.1111/j.1475-4762.2009.00919.x).
618. Cerdan O., Govers G., Le Bissonnais Y., Van Oost K., Poesen J., Saby N., Gobin A., Vacca A., Quinton J., Auerswald K., Klik A., Kwaad F.J.P.M., Raclot D., Ionita I., Rejman J., Rousseva S., Muxart T., Roxo M.J., Dostal T. 2010. Rates and spatial variations of soil erosion in Europe: a study based on erosion plot data. *Geomorphology* 122:167-177. (doi:10.1016/j.geomorph.2010.06.011).
619. Notebaert, B., Verstraeten, G., Govers, G., Poesen, J. 2010. Quantification of alluvial sediment storage in contrasting environments: Methodology and error estimation. *Catena* 82:169-182. (doi:10.1016/j.catena.2010.06.003).
620. Nadal-Romero E, Martínez-Murillo JF, Vanmaercke M & Poesen J. 2010. Factores de la producción de sedimento en badlands Mediterráneos. In Ubeda, X., Vericat, D. & Batalla, R.J. (Eds.) Avances de la Geomorfología en España 2008-2010. Sociedad Española de Geomorfología. XI Reunión Nacional de Geomorfología, 20-24 Septiembre, Solsona, Spain:153-156. ISBN: 978-84-693-4551-1.
621. López-Vicente M, Martínez-Murillo JF, Ruiz Sinoga JD, Poesen J. 2010. Evaluación de los efectos de la reforestación en la reducción de la erosión hídrica mediante la aplicación del modelo RMMF (Montes de Málaga). In: Úbeda X, Vericat D, Batalla RJ (Eds.). XI Reunión Nacional de Geomorfología: Avances de la geomorfología en España. 2008-2010. SEG, Solsona, Lérida. pp. 139-142. ISBN: 978-84-693-4551-1.
622. Nyssen, J., Mitiku Haile, Munro, R.N., Poesen, J., Grove, A.T., Deckers, J., 2010. Repeat photography challenges received wisdom on land degradation in the northern Ethiopian Highlands. In: Webb, R.H., Boyer, D.E., Turner, R.M., Repeat photography – methods and applications in natural sciences. Washington DC: Island Press, 186-196. ISBN: 9781597267120.
623. Moeyersons, J., Poesen, J., Nyssen, J., Deckers, J. and Mitiku Haile 2010. Reconstructing environmental changes since the Last Glacial Maximum (LGM) in the Geba Basin, Northern Ethiopia, by geomorphic process interpretation and land management evaluation. In: Jürgen Runge (ed), African Palaeoenvironments and Geomorphic Landscape Evolution. Series 'Palaeoecology of Africa', Vol. 30. Taylor & Francis Group London, UK : CRC Press: pp. 9-26 (PR) ISBN: 978-0-415-58789-1.

624. Frankl, A., Nyssen, J., De Dapper, M., Deckers, J., Poesen, J., 2010. Dynamics of gully and river channel erosion in Northern Ethiopia: Diachronic analysis of terrestrial photographs. Meded. Zitt. K. Acad. Overzeese Wet. 56 – Bull. Séanc. Acad. R. Sci. Outre-Mer 56, pp 265-276.
625. Msita H.B., Mtakwa P. W., Kilasara M., Kimaro D.N., Msanya B.M., Ndyetabula D. K., Deckers J.A., Poesen J. 2010. Effect of conservational tillage on soil loss and plant nutrient status on vegetable yield, northern slopes of Uluguru Mountains, Morogoro, Tanzania. In Msaky J. J, Kanyama-Phiri G.Y, Shongwe G.N (Eds), Enhancing Dissemination of Soil and Water Research Outputs of SADC Universities. Proceedings of the Workshop on Information Sharing among soil and water management experts from SADC Universities, 11-13 September 2010, Dar es Salaam, Tanzania: 26-36.
626. Reubens, B., Achten, W., Maes, W., Danjon, F., Aerts, R., Poesen, J., Muys, B. 2011. More than biofuel? *Jatropha curcas* root system symmetry and potential for soil erosion control. Journal of Arid Environments 75:201-205. (doi:10.1016/j.jaridenv.2010.09.011).
627. De Meyer, A., Poesen, J., Isabirye, M., Deckers, J. and Raes, D. 2011. Soil erosion rates in tropical villages: a case study from Lake Victoria Basin, Uganda. Catena 84:89-98 (doi:10.1016/j.catena.2010.10.001).
628. Bhattacharyya, R., Fullen, M.A., Booth, C.A., Smets, T., Poesen, J. and Black, A. 2011. Use of palm-mat geotextiles for soil conservation: 1. Effects on soil properties. Catena 84:99-107. (doi:10.1016/j.catena.2010.10.003).
629. Notebaert, B., Verstraeten, G., Vandenberghhe, D., Marinova, E., Poesen, J., Govers, G. 2011. Changing hillslope and fluvial Holocene sediment dynamics in a Belgian loess catchment. Journal of Quaternary Science 26(1):44-58. (DOI:10.1002/jqs.1425).
630. Descheemaeker, K., Raes, D., Allen, R., Nyssen, J., Poesen, J., Muys, B., Haile, M., Deckers, J. 2011. Two rapid appraisals of FAO-56 crop coefficients for semiarid natural vegetation of the northern Ethiopian highlands. Journal of Arid Environments 75:353-359. (doi:10.1016/j.aridenv.2010.12.002).
631. Poesen, J.W.A., Torri, D.B. & Vanwalleghem, T. 2011. Gully Erosion: Procedures to Adopt When modelling Soil Erosion in Landscapes Affected by Gullyling. In Morgan, R.P.C. and Nearing, M.A. (eds.) Handbook of Erosion Modelling, 1<sup>st</sup> edition, Blackwell Publishing Ltd, Chichester, UK. Chapter 19:360-386 + Plates 16, 17, 18 and 19. ISBN 978-1-4051-9010-7.
632. Jan Nyssen, Paolo Billi, R. Neil Munro, Amaury Frankl, Mitiku Haile, Jean Poesen 2011. Repeat photography for studies on environmental changes and geomorphological processes in northern Ethiopia. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for Human Adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists: 16-21.
633. Amaury Frankl, Jan Nyssen, Morgan De Dapper, Mitiku Haile, Paolo Billi, R. Neil Munro, Jozef Deckers, Jean Poesen. 2011. Long-term gully and river channel dynamics in Tigray. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists:39-44.
634. Nyssen, J., Frankl, A., Etafa Guyassa, Gidey Yirga, Jacob, M., Poesen, J., Mitiku Haile 2011. Upper tree limit and land use on the upper slopes of Ferrah Amba, the peak of Tigray (3939 m a.s.l.). International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists: 45-51.

635. Amanuel Zenebe, Matthias Vanmaercke, Jean Poesen, Gert Verstraeten, Jan Nyssen, Gebreyohannes Girmay, Mitiku Haile, Hans Bauer, Jozef Deckers. 2011. Sediment transport in the Geba River system. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists: 65-71.
636. J. Van de Wauw, G. Baert, J. Moeyersons, J. Nyssen, Nurhussein Taha, Amanuel Zenebe, J. Poesen, J. Deckers. 2011. Soil-landscape relationships in the basalt-dominated uplands of Tigray – example in May Leiba. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists: 72-76.
637. Gebreyohannes Girmay, Jan Nyssen, Jean Poesen, Roel Merckx, Hans Bauer, Mitiku Haile, Jozef Deckers. 2011. Using the sediment of Mayleba reservoir for land reclamation. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists: 83-85.
638. Gebeyehu Taye, Jean Poesen, Jozef Deckers, Daniel Tekka, Nigussie Haregeweyn, Bas van Wesemael, Jan Nyssen. 2011. The effect of soil and water conservation treatments on rainfall-runoff response and soil losses in the Northern Ethiopian Highlands: the case of May Leiba catchment. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists: 86-92.
639. Nigussie Haregeweyn, Abrham Girmay, Yayneshet Tesfay, Atsushi Tsunekawa, Mitsuru Tsubo, Jan Nyssen, Jean Poesen. 2011. Livestock fodder development as an essential component of catchment management: case study in Mai Zeg-Zeg. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists: 104-108.
640. Jan Nyssen, Wim Clymans, Jozef Naudts, Jean Poesen, Ine Vandecasteele, Nigussie Haregeweyn, Jan Moeyersons, Jozef Deckers, Mitiku Haile. 2011. The sediment budget of May Zeg-zeg catchment and its components. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists: 114-120.
641. Tesfamichael Gebreyohannes, Kristine Walraevens, Ine Vandecasteele, Wim Clymans, Jan Moeyersons, Katrien Descheemaeker, Amanuel Zenebe, Nigussie Haregeweyn, Kristine Martens, Marc Van Camp, Jean Poesen, Florimond Desmedt, Jozef Deckers, Mitiku Haile, Jan Nyssen. 2011. Hydro(geo)logy and impact of soil and water conservation measures on the hydrological response in May Zeg-zeg catchment. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists: 121-128.

Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists:121-127.

642. Amaury Frankl, Jean Poesen, Morgan de Dapper, Jozef Deckers, Mitiku Haile, Jan Nyssen. 2011. Monitoring gully headcut retreat rates in May Bati. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists:134-135.
643. Nyssen, J., Poesen, J., Moeyersons, J., Deckers, J., Mitiku Haile. 2011. Rockfall shapes the *amba* landscape. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists:153-157.
644. Kassa Teka, Anton Van Rompaey, Jean Poesen, Simon Van Bruyssel, Amanuel Zenebe, Deckers, J. 2011. Land use and land cover changes in Sinkata village. International IAG Regional Conference on Geomorphology 2011 "Geomorphology for human adaption to Changing Tropical Environments". Addis Ababa, 18-22 February 2011. Ethiopian Association of Geomorphologists. Post Conference Excursion. In Nyssen, J., Asrat A., Dramis, F. and Umer M. (eds.). Post Conference Excursion "Geomorphological Hazards, Land Degradation and Resilience in the northern Ethiopian Highlands" 23 February-2 March 2011, Ethiopian Association of Geomorphologists:160-164.
645. De Baets, S., Poesen, J., Meersmans, J., Serlet, L. 2011. Cover crops and their erosion-reducing effects during concentrated flow erosion. *Catena* 85:237-244. (doi:10.1016/j.catena.2011.01.009).
646. Vanmaercke, M., Poesen, J., Maetens, W., de Vente, J., Verstraeten, G. 2011. Sediment yield as a desertification risk indicator. *Science of the Total Environment*. 409:1715-1725. (doi:10.1016/j.scitotenv.2011.01.034).
647. Kitutu, M.G., Muwanga, A., Poesen, J. and Deckers, J.A. 2011. Farmer's perception on landslide occurrences in Bududa District, Eastern Uganda. *African Journal of Agricultural Research* 6(1):7-18.
648. Frankl, A., Nyssen, J., De Dapper, M., Mitiku Haile, Billi, P., Munro, R.N., Deckers, J., Poesen, J., 2011. Linking long-term gully and river channel dynamics to environmental change using repeat photography (Northern Ethiopia). *Geomorphology* 129, 238-251. (doi: 10.1016/j.geomorph.2011.02.018).
649. Smets, T., Borselli, L. Poesen, J. and Torri, D. 2011. Evaluation of the EUROSEM model for predicting the effects of erosion-control blankets on runoff and interrill soil erosion by water. *Geotextiles and Geomembranes* 29:285-297. (doi: 10.1016/j.geotexmem.2011.01.012).
650. Van Den Eeckhaut, M., Poesen, J., Gullentops, F., Vandekerckhove, L., Hervás, J., 2011. Regional mapping and characterisation of old landslides in hilly regions using LiDAR-based imagery in Southern Flanders. *Quaternary Research* 75, 721-733. (doi:10.1016/j.yqres.2011.02.006).
651. de Vente, J., Verduyn, R., Verstraeten, G., Vanmaercke, M., Poesen, J. 2011. Factors controlling sediment yield at the catchment scale in NW Mediterranean geoecosystems. *J. Soils Sediments* 11:690-707. (DOI 10.1007/s11368-011-0346-3).
652. Vanmaercke, M., Poesen, J., Verstraeten, G., de Vente, J., Ocakoglu, F. 2011. Sediment yield in Europe: Spatial patterns and scale dependency. *Geomorphology* 130:142-161. (doi: 10.1016/j.geomorph.2011.03.010).
653. Verachtert, E., Van Den Eeckhaut, M., Poesen, J., Govers, G., Deckers, J. 2011. Prediction of spatial patterns of collapsed pipes in loess-derived soils in a temperate humid climate using logistic regression. *Geomorphology* 130:185-196. (doi: 10.1016/j.geomorph.2011.03.015).

654. Nadal-Romero, E., Martínez-Murillo, J.F., Vanmaercke, M., Poesen, J. 2011. Scale-dependency of sediment yield from badland areas in Mediterranean environments. *Progress in Physical Geography* 35 (3):297-332 (doi:10.1177/0309133311400330).
655. Reubens, B., Moeremans, C., Poesen, J., Nyssen, J., Tewoldeberhan, S., Franzel, S., Deckers, J., Orwa, C. and Muys, B. 2011. Tree species selection for land rehabilitation in Ethiopia: from fragmented knowledge to an integrated multi-criteria decision approach. *Agroforestry Systems* 82:303-330. (DOI 10.1007/s10457-011-9381-8).
656. de Vente, J., Govers, G., Vanmaercke, M., Verstraeten, G., Poesen, J. 2011. Impacto local y regional de la degradación del suelo sobre los recursos de suelo y agua: importancia de la escala y modelos de predicción. In: Ortiz Silla, R., Sánchez Navarro, A. (Eds.) *Control de la degradación y uso sostenible del suelo. V Simposio nacional sobre control de la degradación y uso sostenible del suelo*, Universidad de Murcia, Murcia, ISBN: 978-84-615-1679-7, Murcia: 417-426
- 6567 Marzolff, I., Ries, J.B. and Poesen, J. 2011. Short-term versus medium-term monitoring for detecting gully-erosion variability in a Mediterranean environment. *Earth Surface Processes and Landforms* 36: 1604-1623. (DOI 10.1002/esp.2172).
658. Notebaert, B., Houbrechts, G., Verstraeten, G., Broothaerts, N., Haeckx, J., Reynders, M., Govers, G., Petit, F. and Poesen, J. 2011. Fluvial architecture of Belgian river systems in contrasting environments: implications for reconstructing the sedimentation history. *Netherlands Journal of Geosciences – Geologie en Mijnbouw* 90-1:31-50.
659. Fullen, M.A., Subedi, M., Booth, C.A., Sarsby, R.W., Davies, K., Bhattacharyya, R., Kugan, R., Luckhurst, D.A., Chan, K., Black, A.W., Townrow, D., James, T., Poesen, J., Smets, T., Kertesz, A., Toth, A., Szalai, Z., Jacob, G., Jankauskas, B., Jankauskiene, G., Bühlmann, C., Paterson, G., Mulibana, E., Nell, J.P., Van der Merwe, G.M.E., Guerra, A.J.T., Mendonça, J.K.S., Guerra, T.T., Sathler, R., Bezerra, J.F.R., Peres, S.M., Zheng Yi, Li Yongmei, Tang Li, M. Panomtaranichagul, Peukrai, S., Thu, D.C., Cuong, T.H., Toan, T.T., Jonsyn-Ellis, F., Sylva, J.Z., Cole, A., Mulholland, B., Dearlove, M., Corkill, C. and Tomlinson, P. 2011. Utilizing biological geotextiles: introduction to the Borassus Project and global perspectives. *Land Degradation and Development* 22: 453–462. (DOI: 10.1002/ldr.1105).
660. Smets, T., Poesen, J., Bhattacharyya, R., Fullen, M.A., Subedi, M., Booth, C.A., Kertesz, A., Szalai, Z., Toth, A., Jankauskas, B., Jankauskiene, G., Guerra, A., Bezerra, J.F.R., Zheng Yi, Panomtaranichagul, Bühlmann, C. and Paterson, D.G. 2011. Evaluation of biological geotextiles for reducing runoff and soil loss under various environmental conditions using laboratory and field plot data. *Land Degradation and Development* 22: 480-494. (DOI: 10.1002/ldr.1095)
661. Nadal-Romero, E., Verachtert, E., Maes, R., Poesen, J. 2011. Quantitative assessment of the piping erosion susceptibility of loess-derived soil horizons using the pinhole test. *Geomorphology* 135:66-79. (doi:10.1016/j.geomorph.2011.07.026)
662. Maes, R., Nadal-Romero, E., Verachtert, E., Poesen, J. 2011. Evaluating the piping erosion susceptibility of loess-derived soil horizons using the pinhole test. *The European Geographer*, 7:20-22.
663. Claessens, L., Knapen, A., Kitutu, M., Poesen, J., Deckers, J. 2011. Modelling landslide hazard, soil redistribution and sediment yield of landslides on the Ugandan footslopes of Mount Elgon. In Catani, F., Margottini, C., Triglia, A., Iadanza, C. (Eds.) *The Second World Landslide Forum. Putting Science into Practice*, FAO, Rome, 3-9 October 2011, Abstract Book, Published by ISPRA-Italian National Institute for Environmental Protection and Research, ISPRA 2011 (ISBN 978-88-448-0515-9):74.
664. Vranken, L., Van Turnhout, P., Van Den Eeckhaut, M., Vandekerckhove, L., Poesen, J. 2011. Economic valuation of landslide damage and the measures to prevent landslide occurrence and damage: a case study from the Flemish Ardennes (Belgium). In Catani, F., Margottini, C., Triglia, A., Iadanza, C. (Eds.) *The Second World Landslide Forum. Putting Science into Practice*, FAO, Rome, 3-9 October 2011, Abstract Book, Published by ISPRA-Italian National Institute for Environmental Protection and Research, ISPRA 2011 (ISBN 978-88-448-0515-9):357.

665. Smets,T., López-Vicente, M., Poesen, J. 2011. Impact of subsurface rock fragments on runoff and interrill soil loss from cultivated soils. *Earth Surface Processes and Landforms* 36:1929-1037 (DOI: 10.1002/esp.2220).
666. Nadal-Romero, E., Verachtert, E., Maes, R., Poesen, J. 2011. Una nueva herramienta para evaluar la susceptibilidad de los suelos a los procesos de sufosión o piping: el pinhole test. *Cuadernos de Investigación Geográfica*, 37 (1):99-113.
667. Poesen, J. 2011. Challenges in gully erosion research. *Landform Analysis*, 17:5-9.
668. Frankl, A., Nyssen, J., De Dapper, M., Mitiku Haile, Deckers, J., Poesen, J. 2011. Trends in gully erosion as evidenced from repeat photography (North Ethiopia). *Landform Analysis*, 17:47-50.
669. Martínez-Murillo, J.F., López-Vicente, M., Poesen, J. 2011. Modelling the effects of land use changes on runoff and soil erosion in two Mediterranean catchments with active gullies (South of Spain). *Landform Analysis*, 17:99-104.
670. Martínez-Murillo, J.F., Nadal-Romero, M.E., Vanmaercke, M., Poesen, J. 2011. Scale effects on sediment yield from badland areas in Mediterranean environments. *Landform Analysis*, 17:105-109.
671. Marzolff, I., Poesen, J., Ries, J.B. 2011. Short to medium-term gully development: Human activity and gully erosion variability in selected Spanish gully catchments. *Landform Analysis*, 17:111-116.
672. Nadal-Romero, M.E., Verachtert, E., Poesen, J. 2011. Pinhole test for identifying susceptibility of different horizons in loess-derived soils to piping erosion. *Landform Analysis*, 17:131-134.
673. Verachtert, E., Devoldere, S., Van Den Eeckhaut, M., Poesen, J., Deckers, J. 2011. Impact of land use and soil properties on piping in Belgium. *Landform Analysis*, 17:215-218.
674. De Baets, S. and Poesen, J. 2011. Gullies and rills in the Mediterranean environment. Chapter 2.2. In European Commission (Ed.) *Conditions for Restoration & Mitigation of Desertified Areas Using Vegetation (RECONDES)*. European Commission, Brussels, DG for Research and Innovation. ISBN 978-3-8443-6548-1:31-40.
675. Poesen, J. and De Baets, S. 2011. The effects of plant root characteristics on soil erosion. Chapter 4.3. In European Commission (Ed.) *Conditions for Restoration & Mitigation of Desertified Areas Using Vegetation (RECONDES)*. European Commission, Brussels, DG for Research and Innovation. ISBN 978-3-8443-6548-1:123-134.
676. De Baets, S. and Poesen, J. 2011. Hillslopes. Chapter 9. In European Commission (Ed.) *Conditions for Restoration & Mitigation of Desertified Areas Using Vegetation (RECONDES)*. European Commission, Brussels, DG for Research and Innovation. ISBN 978-3-8443-6548-1:235-244.
677. Verachtert, E., Maetens, W., Van Den Eeckhaut, M., Poesen, J. Deckers, J. 2011. Soil loss due to piping erosion. *Earth Surface Processes and Landforms* 36, 1715–1725.
678. Babulo Balana, Muys, B., Haregeweyn, N., Descheemaeker, K., Deckers, J., Poesen, J., Nyssen, J., Mathijs, E. 2012. Cost-benefit analysis of soil and water conservation measure: the case of exclosures in northern Ethiopia. *Forest Policy and Economics*, 15:27-36. (doi:10.1016/j.forpol.2011.09.008).
679. Torri, D., Poesen, J., Borselli, L., Bryan, R., Rossi, M. 2012. Spatial variation of bed roughness in eroding rills and gullies. *Catena* 90:76-86 (doi:10.1016/j.catena.2011.10.004).
680. Chaplot, V., Poesen, J. 2012. Sediment, soil organic carbon and runoff delivery at various spatial scales. *Catena* 88:46-56 (doi:10.1016/j.catena.2011.09.004).
681. Gebreyohannes Girmay, Nyssen, J., Poesen, J., Bauer, H., Merckx, R., Haile, M., Deckers, J., 2012. Land reclamation using reservoir sediments in Tigray, northern Ethiopia. *Soil Use and Management*, 28: 113-119. (doi: 10.1111/j.1475-2743.2011.00368.x).

682. Van Turnhout, P., Vranken, L., Van Den Eeckhaut, M., Poesen, J. 2012. Inventarisatie van ernstige schade door grondverschuivingen, oorzaken en remediërende maatregelen in zuidelijk Oost- en West-Vlaanderen en Vlaams Brabant. Rapport in opdracht van Vlaamse Overheid, Departement Leefmilieu, Natuur en Energie, Afdeling Land en Bodembescherming, Ondergrond, Natuurlijke Rijkdommen, 200 pp.
683. Vanmaercke, M., Maetens, W., Poesen, J., Jankauskas, B., Jankauskiene, G., Verstraeten, G., de Vente, J. 2012. A comparison of measured catchment sediment yields with measured and predicted hillslope erosion rates in Europe. *Journal of Soils and Sediments* 12(4):586-602. (DOI 10.1007/s11368-012-0479-z).
684. Vanmaercke, M., Poesen, J., Radoane, M., Govers, G., Ocakoglu, F., Arabkhedri, M. 2012. How long should we measure? An exploration of factors controlling the interannual variation of catchment sediment yield. *Journal of Soils and Sediments* 12(4):603-619. (DOI 10.1007/s11368-012-0475-3).
685. Van Den Eeckhaut, M., Kerle, N., Poesen, J., Hervás, J. 2012. Identification of vegetated landslides using only a LiDAR-based Terrain Model and derivatives in an object-oriented environment. Proceedings of the 4th GEOBIA 2012 Geographical Object Based Image Analysis, May 7-9, 2012, Pontifical Catholic University of Rio de Janeiro (PUC-Rio) and the Brazilian National Institute for Space Research (INPE), Rio de Janeiro Brazil: 211-216.  
<http://mtc-m18.sid.inpe.br/col/sid.inpe.br/mtc-m18/2012/05.17.14.41/doc/061.pdf>
686. Borselli, L., Torri, D., Poesen, J., Iaquinta, P. 2012. A robust algorithm for estimating soil erodibility in different climates. *Catena* 97:85-94. (doi:10.1016/j.catena.2012.05.012).
687. Broothaerts, N., Kissi, E., Poesen, J., Van Rompaey, A., Getahun, K., Van Ranst, E., Diels, J. 2012. Spatial patterns, causes and consequences of landslides in the Gilgel Gibe catchment, SW Ethiopia. *Catena* 97:127-136. (doi:10.1016/j.catena.2012.05.011).
688. Mekete Dessie, Teshager Admasdu, V. Pauwels, N. Verhoest, Enyew Adgo, J. Poesen, R. Maes, J. Nyssen 2012. Monitoring Stations for Runoff and Sediment Transport along Gumara River (Tana Basin): Procedures and Preliminary Results. In Tesema Belai and M. Mahari (eds.). Science, Technology and Innovation for Prosperity of Ethiopia. Proceedings National Conference, Institute of Technology, Bahir Dar University, Ethiopia, 16-18 May 2012: 241-250.
689. Maetens, W., Vanmaercke, M., Poesen, J., Jankauskas, B., Jankauskiene, G., Ionita, I. 2012. Effects of land use on annual runoff and soil loss in Europe and the Mediterranean: A meta-analysis of plot data. *Progress in Physical Geography* 36:599-653 (DOI: 10.1177/0309133312451303).
690. Maetens, W., Poesen, J., Vanmaercke, M. 2012. How effective are soil conservation techniques in reducing plot runoff and soil loss in Europe and the Mediterranean? *Earth-Science Reviews* 115:21-31 (doi:10.1016/j.earscirev.2012.08.003).
691. Van den Eeckhaut, M., Kerle, N., Poesen, J., Hervas, J. 2012. Object-oriented identification of forested landslides with derivatives of single pulse LiDAR data. *Geomorphology* 173-174:30-42. (doi:10.1016/j.geomorph.2012.05.024).
692. Frankl, A., Poesen, J., Deckers, J., Mitiku Haile, Nyssen, J. 2012. Gully head retreat rates in the semi-arid highlands of northern Ethiopia. *Geomorphology* 173-174:185-195. (doi:10.1016/j.geomorph.2012.06.011).
693. Wanyama, J. Herremans, K., Maetens, W., Isabirye, M., Kahimba, F., Kimaro, D., Poesen, J. & Deckers, J. 2012. Effectiveness of tropical grass species as sediment filters in the riparian zone of Lake Victoria. *Soil Use and Management* 28:409-418. (doi: 10.1111/j.1475-2743.2012.00409.x).
694. Van Den Eeckhaut, M., Poesen, J. 2012. Grondverschuivingen. In 50 jaar archeologie Kemmelberg. Themanummer In De Steigers, Erfgoednieuws uit West-Vlaanderen, 19 (2):44-46.
695. Balthazar, V., Vanacker, V., Atkilt Girma, Poesen, J., Semunesh Golla. 2012. Human impact on sediment fluxes within the Blue Nile and Atbara river basins. *Geomorphology* 180-181:231-241. (doi: 10.1016/j.geomorph.2012.10.013).

696. Lanckriet, S., Tesfay Araya, Cornelis, W., Verfaillie, E., Poesen, J., Govaerts, B., Bauer, H., Deckers, J., Mitiku Haile, Nyssen, J., 2012. Impact of conservation agriculture on catchment runoff and soil loss under changing climate conditions in May Zeg-zeg (Ethiopia). *Journal of Hydrology*, 475: 336-349. (doi: 10.1016/j.jhydrol.2012.10.011).
697. Torri, D., Borselli, L., Gariano, S.L., Greco, R., Iaquinta, P., Iovine, G., Poesen, J., Terranova, O.G., 2012. Identifying gullies in the Mediterranean environment by coupling a complex threshold model and a GIS. *Rendiconti Online della Società Geologica Italiana* Vol. 21 (2012):441-443.
698. Verachtert, E., Van Den Eeckhaut, M., Poesen, J., Deckers, J. 2012. Spatial interaction between collapsed pipes and landslides in hilly regions with loess-derived soils. *Earth Surface Processes and Landforms* 38:826-835. (DOI: 10.1002/esp.3325).
699. Kassa Teka, Van Rompaey, A., Poesen, J. 2013. Assessing the role of policies on land use change and agricultural development since 1960s in northern Ethiopia. *Land Use Policy* 30:944-951. (DOI: 10.1016/j.landusepol.2012.07.005).
700. López-Vicente, M., Poesen, J., Navas, A., Gaspar, L. 2013. Predicting runoff and sediment connectivity and soil erosion by water for different land use scenarios in the Spanish Pre-Pyrenees. *Catena* 102: 62–73. (doi:10.1016/j.catena.2011.01.001).
701. Kabanza A.K., S. Dondeyne, J.J. Tenga, D.N. Kimaro, J. Poesen, E. Kafiriti and J. Deckers 2013. More people, more trees in South Eastern Tanzania: local and global drivers of land-use change. *African Geographical Review*, 32(1):44-58. (DOI:10.1080/19376812.2012.746093).
702. Vranken, L., Van Turnhout, P., Van Den Eeckhaut, M., Vandekerckhove, L., Poesen, J. 2013. Economic valuation of landslide damage in hilly regions: A case study from Flanders, Belgium. *Science of the Total Environment* 447:323-336. (<http://dx.doi.org/10.1016/j.scitotenv.2013.01.025>).
703. Frankl, A., Zwervvaegher, A., Poesen, J., Nyssen, J., 2013. Transferring Google Earth observations to GIS-software: example from gully erosion study. *International Journal of Digital Earth* 6 (2), 196-201. (DOI: 10.1080/17538947.2012.744777).
704. Torri, D., Poesen, J., Borselli, L., Bryan, R., Rossi, M. 2013. Corrigendum to “Spatial variation of bed roughness in eroding rills and gullies” (*Catena* 90 (2012) 76-86, doi: 10.1016/j.catena.2011.10.004). *Catena* 105:112. (doi: 10.1016/j.catena.2013.01.008). <http://dx.doi.org/10.1016/j.catena.2013.01.008>.
705. Van Den Eeckhaut M., Poesen J., and Hervás J., 2013. Mass-Movement Causes: Overloading. In: John F. Shroder (ed.) *Treatise on Geomorphology*, Volume 7, pp. 200-206. San Diego: Academic Press.
706. Nakiyemba Were Alice, Isabirye, M., Poesen, J., Maertens, M., Deckers, J., Mathijs, E. 2013. Decentralised Governance of Wetland Resources in the Lake Victoria Basin of Uganda. *Natural Resources*, 2013, 4, 55-64 (doi:10.4236/nr.2013.41006), Published Online March 2013 (<http://www.scirp.org/journal/nr>).
707. Martínez-Murillo, J.F., Nadal-Romero, E., Regués, Cerdà, A., Poesen, J. 2013. Soil erosion and hydrology of the western Mediterranean badlands throughout rainfall simulation experiments: A review. *Catena* 100:101-112. (doi:10.1016/J.catena.2012.06.001).
708. Amanuel Zenebe, Vanmaercke, M., Poesen, J., Verstraeten, G., Nigussie Haregeweyn, Mitiku Haile, Kassa Amare, Deckers, J., Nyssen, J., 2013. Spatial and temporal variability of river flows in the degraded semi-arid tropical mountains of northern Ethiopia. *Zeitschrift für Geomorphologie*, 57(2): 143-169. (DOI: 10.1127/0372-8854/2012/0080).
709. Poppe, L., Frankl, A., Poesen, J., Teshager Admasu, Mekete Dessie, Enyew Adgo, Deckers, J., Nyssen, J., 2013. Geomorphology of the Lake Tana basin, Ethiopia. *Journal of Maps*, 9(3):431-437 + map. (DOI:10.1080/17445647.2013.801000).
710. de Figueiredo, Poesen, J., Gonçalves Ferreira, A., Gonçalves, D. 2013. Case study 6: runoff and soil loss from steep sloping vineyards in the Douro valley, Portugal: rates and factors. In Evelpidou, N., Cordier,

S., Merino, A., Figueiredo, T., Centeri, C. (Eds.). Runoff Erosion. National & Kapodistrian University of Athens, p. 323-344.

711. N. Haregeweyn, J. Poesen, A. Tsunekawa, M. Tsubo, J. Nyssen, J. Deckers, D. Meshesha 2013. Reservoir sedimentation and its mitigation strategies: a case study of the Ethiopian highlands. International conference Hydro 2013 – Water storage and hydropower Development for Africa, Addis Ababa, Ethiopia, 16-18 April 2013. Co-organizers: Hydropower & Dams, International Commission on Large Dams and the Ethiopian Electric Power Corporation, Abstract no 132: 8 pp.
712. Getahun, K., Van Rompaey, A., Van Turnhout, P., Poesen, J. 2013. Factors controlling patterns of deforestation in moist evergreen Afromontane forests of Southwest Ethiopia. Forest Ecology and Management 304:171-181. (<http://dx.doi.org/10.1016/j.foreco.2013.05.001>).
713. Haregeweyn, N., Poesen, J., Verstraeten, G., Govers, G., de Vente, J., Nyssen, J., Deckers, J., Moeyersons, J. 2013. Assessing the performance of a spatially distributed soil erosion and sediment delivery model (WATEM/SEDEM) in northern Ethiopia. Land Degradation and Development 24:188-204. (DOI: 10.1002/ldr.1121).
714. Verachtert, E., Van Den Eeckhaut, M., Martínez-Murillo, J.F., Nadal-Romero, E., Poesen, J., Devoldere, S., Wijnants, N., Deckers, S. 2013. Impact of soil characteristics and land use on pipe erosion in a temperate humid climate: Field studies in Belgium. Geomorphology 192:1-14. (<http://dx.doi.org/10.1016/j.geomorph.2013.02.019>).
715. Teka, D., van Wesemael, B., Vanacker, V., Poesen, J., Hallet, V., Taye, G., Deckers, J., Haregeweyn, N. 2013. Evaluating the performance of reservoirs in semi-arid catchments of Tigray: Tradeoff between water harvesting and soil and water conservation. Catena 110:146-154. (<http://dx.doi.org/10.1016/j.catena.2013.06.001>).
716. Mugonola, B., Deckers, J., Poesen, J., Isabirye, M., Mathijs, E. 2013. Adoption of soil and water conservation technologies in the Rwizi catchment of south western Uganda. International Journal of Agricultural Sustainability, 2013, Vol. 11, No. 3, 264–281. (<http://dx.doi.org/10.1080/14735903.2012.744906>).
717. Kabanza, A.K., Dondeyne, S., Kimaro, D.N., Kafiriti, E., Poesen, J., Deckers, J.A. 2013. Effectiveness of soil conservation measures in two contrasting landscape units of South Eastern Tanzania. Zeitschrift für Geomorphologie, 57 (3):269-288 (DOI: 10.1127/0372-8854/2013/0102).
718. Gebeyehu Taye, Poesen, J., Van Wesemael, B., Vanmaercke, M., Teka, D., Deckers, J., Goosse, T., Maetens, W., Nyssen, J., Hallet, V., Haregeweyn, N. 2013. Effects of land use, slope gradient, and soil and water conservation structures on runoff and soil loss in semi-arid Northern Ethiopia. Physical Geography 34(3):236-258. (<http://dx.doi.org/10.1080/02723646.2013.832098>).
719. Mugonola, B., Kimaro, D., Isabirye, M., Deckers, J., Poesen, J., Wanyama, J., Mathijs, E. 2013. Economics of Grass Strips Used as Sediment Filters in the Riparian Zones of Lake Victoria, Uganda. Agroecology and Sustainable Food Systems, 37(9):1040-1062. (DOI: 10.1080/21683565.2013.820250).
720. Frankl, A., Jacob, M., Mitiku Haile, Poesen, J., Deckers, J., Nyssen, J., 2013. The effect of rainfall on the spatio-temporal variability of cropping systems and duration of the crop cover in the Northern Ethiopian Highlands. Soil Use and Management, 29:374-383. (DOI: 10.1111/sum.12041) . (Impact factor 1.977)
721. Frankl, A., Poesen, J., Mitiku Haile, Deckers, J., Nyssen, J., 2013. Quantifying long-term changes in gully networks and volumes in dryland environments: the case of Northern Ethiopia. Geomorphology 201, 254-263. (<http://dx.doi.org/10.1016/j.geomorph.2013.06.025>)
722. de Vente, J., Poesen, J. Verstraeten, G., Govers, G., Vanmaercke, M., Van Rompaey, A., Arabkhedri, M., Boix-Fayos, C. 2013. Predicting soil erosion and sediment yield at regional scales: Where do we stand? Earth-Science Reviews 127:16-29. (<http://dx.doi.org/10.1016/j.earscirev.2013.08.014>). Corrigendum to “Predicting soil erosion and sediment yield at regional scales:Where do we stand?”

[Earth-Sci. Rev. 127 (2013) 16–29]. Earth-Science Reviews 133 (2014): 94.  
<http://dx.doi.org/10.1016/j.earscirev.2013.08.014>.

723. Finke, P.A., T. Vanwallegem, E. Opolot, J. Poesen, J. Deckers, 2013. Estimating the effect of tree uprooting on variation of soil horizon depth by confronting pedogenetic simulations to measurements in a Belgian loess area. *Journal of Geophysical Research - Earth Surface* 118: 1-16.

<http://dx.doi.org/10.1002/jgrf.20153>

724. Nyssen, J., Lanckriet, S., Poesen, J., Jacob, M., Moeyersons, J., Mitiku Haile, Frankl, A., Deckers, J. 2013. Landdegradatie in de Ethiopische hooglanden. *Jaarboek De Aardrijkskunde* 2013:77-95.

725. Frankl, A., Poesen, J., Scholiers, N., Jacob, M., Mitiku Haile, Deckers, J., Nyssen, J., 2013. Factors controlling the morphology and volume (V) – length (L) relations of permanent gullies in the Northern Ethiopian Highlands. *Earth Surface Processes and Landforms*, 38, 1672–1684.  
 (DOI: 10.1002/esp.3405).

726. Vranken, L., Van Turnhout, P., Van Den Eeckhaut, M., Vandekerckhove, L., Poesen, J. 2013. Economic valuation of landslide damage and the measures to prevent landslide occurrence and damage: a case study from the Flemish Ardennes (Belgium). In Margottini, Canuti, P. Kyoi Sassa. (Eds.) *Landslide Science and Practice, Volume 7, Social and Economic Impact and Policies*. Springer-Verlag Berlin Heidelberg, ISBN 978-3-642-31312-7: 153-158  
 (DOI 10.1007/978-3-642-31313-4\_20).

727. Claessens, L., Kitutu, M.G., Poesen, J., Deckers, J.A., 2013. Landslide Hazard Assessment on the Ugandan Footslopes of Mount Elgon: The Worst Is Yet to Come. In: Margottini, C., Canuti, P., Sassa, K. (Eds.), *Landslide Science and Practice Volume 1: Landslide Inventory and Susceptibility and Hazard Zoning*. Springer-Verlag, Berlin, Heidelberg, ISBN 978-3-642-31325-7, pp. 527-532.

728. Torri, D., Poesen, J. 2014. A review of topographic threshold conditions for gully head development in different environments. *Earth-Science Reviews* 130:73-85.  
<http://dx.doi.org/10.1016/j.earscirev.2013.12.006>

729. Stokes, A., Douglas, G.B., Fourcaud, T., Giadrossich, F., Gillies, C., Hubble, T., Kim, J.H., Loades, K.W., Mao, Z., McIvor, I.R., Mickovski, S.B., Mitchell, S., Osman, N., Phillips, C., Poesen, J., Polster, D., Preti, F., Raymond, P., Rey, F., Schwarz, M., Walker, L.R. 2014. Ecological mitigation of hillslope instability: ten key issues facing researchers and practitioners. *Plant and Soil*, 377:1-23. (DOI 10.1007/s11104-014-2044-6).

730. Vanmaercke, M., Kettner, A.J., Van Den Eeckhaut, M., Poesen, J., Mamaliga, A., Verstraeten, G., Radoane, M., Obreja, F., Upton, P., Syvitski, J.P.M., Govers, G. 2014. Moderate seismic activity affects contemporary sediment yields. *Progress in Physical Geography* 38 (2):145-172. (DOI: 10.1177/0309133313516160).

731. Nyssen, J., Frankl, A., Mitiku Haile, Hurni, H., Descheemaeker, K., Crummey, D., Ritler, A., Portner, B., Nievergelt, B., Moeyersons, J., Munro, R.N., Deckers, J., Billi, P., Poesen, J., 2014. Environmental conditions and human drivers for changes to north Ethiopian mountain landscapes over 145 years. *Science of the Total Environment* 485-486:164-179. (<http://dx.doi.org/10.1016/j.scitotenv.2014.03.052>).

732. Van Gaelen, N., Verschoren, V., Clymans, W., Poesen, J., Govers, G., Vanderborght, J., Diels, J. 2014. Controls on dissolved organic carbon export through surface runoff from loamy agricultural soils. *Geoderma* 226-227:387-396. (<http://dx.doi.org/10.1016/j.geoderma.2014.03.018>).

733. Poesen, J. 2014. Do we still need more soil erosion research? In Jean Poesen Doktor Honoris Causa. Uniwersytetu Marii Curie-Skłodowskiej. Lectio doktoris. Wydawnictwo UMCS, Lublin 2014, p. 15-25 (ISBN 978-83-7784-484-7).

734. Meylemans, E., Poesen, J. 2014. The archaeology of erosion, the erosion of archaeology: an introduction. In Meylemans E., Poesen J. & In 't Ven I., 2014. *The Archaeology of Erosion, the Erosion of Archaeology*. Proceedings of the Brussels Conference, April 28-30 2008, Relicta Monografieën 9, Brussel, ISSN 2030-9910, ISBN 978 90 7523 039 0: 7-12.

735. Dreesen, R., Dusar, M., Matthijs, J., Van Den Eeckhaut, M., Gullentops, F., Poesen, J. 2014. An exceptional landslide tongue near Alden Biesen (Limburg, Belgium): the relevance of temporary exposures of the subsoil for elucidating complex geological history. In Meylemans E., Poesen J. & In 't Ven I., 2014. The Archaeology of Erosion, the Erosion of Archaeology, Proceedings of the Brussels Conference, April 28-30 2008, Relicta Monografieën 9, Brussel, ISSN 2030-9910, ISBN 978 90 7523 039 0: 87-103.
736. Van Den Eeckhaut, M., Poesen, J., Vandekerckhove, L., van Gils, M., Van Rompaey, A. 2014. Predicting landslide susceptibility for areas with archaeological sites in residential regions: a case study from the Flemish Ardennes. In Meylemans E., Poesen J. & In 't Ven I., 2014. The Archaeology of Erosion, the Erosion of Archaeology. Proceedings of the Brussels Conference, April 28-30 2008, Relicta Monografieën 9, Brussel, ISSN 2030-9910, ISBN 978 90 7523 039 0:105-116.
737. Vanmaercke, M., Obreja, F., Poesen, J. 2014. Seismic controls on contemporary sediment export in the Siret river catchment, Romania. *Geomorphology* 216:247-262.  
<http://dx.doi.org/10.1016/j.geomorph.2014.04.008>.
738. Nyssen, J., Debever, M., Poesen, J., Deckers, J., 2014. Lynchets in eastern Belgium — a geomorphic feature resulting from non-mechanised crop farming. *Catena*, 121: 164-175.  
<http://dx.doi.org/10.1016/j.catena.2014.05.011>.
739. Nadal-Romero, E., Martínez-Murillo, J.F. , Vanmaercke, M. and Poesen, J. 2014. Corrigendum to "Scale-dependency of sediment yield from badland areas in Mediterranean environments" (*Progress in Physical Geography* 35 (3) (2011) 297-332). *Progress in Physical Geography*, 38(3):381-386 (DOI: 0309133312447025).
740. De Baets, S., Quine, T.A. and Poesen, J. 2014. Root Strategies for Rill and Gully Erosion Control. In A. Morte and A. Varma (eds.), *Root Engineering: Basic and Applied Concepts*, Soil Biology 40, 297- 323. © Springer-Verlag Berlin Heidelberg (DOI 10.1007/978-3-642-54276-3\_14).
741. Vanmaercke M, Poesen J, Broeckx J, Nyssen J. 2014. Sediment Yield in Africa. *Earth-Science Reviews* 136: 350-368 + Appendix: 28 p. (DOI: 10.1016/j.earscirev.2014.06.004).
742. de Mülenaere, S., Frankl, A., Mitiku Haile, Poesen, J., Deckers, J., Munro, R.N., Veraverbeke, S., Nyssen, J., 2014. Historical landscape photographs for calibration of Landsat land use/cover in the northern Ethiopian highlands. *Land Degradation & Development*, 25: 319-335.  
(DOI: 10.1002/ldr.2142).
743. Mekete Dessie, Verhoest, N., Teshager Admasu, Pauwels, V., Poesen, J., Enyew Adgo, Deckers, J., Nyssen, J., 2014. Effects of the floodplain on river discharge into Lake Tana (Ethiopia). *Journal of Hydrology*, 519:699-710. (<http://dx.doi.org/10.1016/j.jhydrol.2014.08.007>).
744. Mwango, S.B., Msanya, B.M., Mtakwa, P.W., Kimaro, D.N., Deckers, J., Poesen, J., Masawe, V., Bethuel, I. 2014. Root properties of plants used for soil erosion control in the Usambara Mountains, Tanzania. *International Journal of Plant & Soil Science* 3(12):1567-1580. Article no. IJPSS.2014.12.07, ISSN:2320-7035.
745. Poesen, J. 2014. Is research on soil erosion still needed? In Schnabel, S. and Gómez Gutiérrez, A. (eds.) *Avances de la Geomorfología en España 2012-2014*, XIII Reunión Nacional de Geomorfología, Cáceres, 2014: 216-221. ISBN:978-84-617-1123-9.
746. Verheyen, D., Diels, J., Kissi, E. and Poesen, J. 2014. The use of visible and near-infrared reflectance measurements for identifying the source of suspended sediment in rivers and comparison with geochemical fingerprinting. *Journal of Soils and Sediments* 14:1869–1885.  
(DOI 10.1007/s11368-014-0938-9).
747. Nadal-Romero, E., Petrlic, K., Verachtert, E., Bochet, E., Poesen, J. 2014. Effects of slope angle and aspect on plant cover and species richness in a humid Mediterranean badland. *Earth Surface Processes and Landforms*, 39:1705–1716. (DOI: 10.1002/esp.3549).

748. De Brue, H., Poesen, J., Notebaert, B. 2015. What was the transport mode of large boulders in the Campine Plateau and the lower Meuse valley during the mid-Pleistocene? *Geomorphology*, 228 (2015): 568–578. (<http://dx.doi.org/10.1016/j.geomorph.2014.10.010>).
749. Kimaro, D.N., Msita, H.B., Kabanza, A., Dondeyne, S., Deckers, J. and Poesen, J., 2014. Adaptation by Smallholders in Eastern Africa to Climate Change through Conservation Agriculture. In Lal, R. and Stewart, B.A. (eds.). *Soil Management of Smallholder Agriculture*. Taylor & Francis, Boca Raton, FL, USA. Chapter 12:277-307. (ISBN-13: 978-1466598584 ISBN-10: 1466598581).
750. Dessie, M., Verhoest, NEC, Pauwels, VRN, Admasu, T., Poesen, J., Adgo, E., Deckers, J., Nyssen, J. 2014. Analyzing runoff processes through conceptual hydrological modelling in the Upper Blue Nile Basin, Ethiopia. *Hydrol. Earth Syst. Sci.*, 18, 5149–5167, 2014  
[www.hydrol-earth-syst-sci.net/18/5149/2014/](http://www.hydrol-earth-syst-sci.net/18/5149/2014/) (doi:10.5194/hess-18-5149-2014).
751. Vanmaercke, M., Obreja, F., Poesen, J. 2014. Impact of earthquake-triggered landslides on catchment sediment yield. *IAHS Publ.* 367:291-296.
752. Frankl, A., Stal, C., Abraha, A., Nyssen, J., Rieke-Zapp, D., De Wulf, A., Poesen, J., 2015. Detailed recording of gully morphology in 3D through image-based modelling. *Catena* 127, 92-101.  
(<http://dx.doi.org/10.1016/j.catena.2014.12.016>).
753. Mwango, S.B., Msanya, B. M., Mtakwa, P.W., Kimaro, D.N., Deckers, J., Poesen, J., Massawe, I., and Samwel, J.. 2015. Effectiveness of Selected Soil Conservation Practices on Soil Erosion Control and Crop Yields in the Usambara Mountains, Tanzania. *Journal of Agriculture and Ecology Research International* 2(2): 129-144, 2015; Article no. JAERI.2015.014
754. Mwango, S. B., Msanya, B. M., Mtakwa, P. W., Kimaro, D. N., Deckers, J., Poesen, J., Lilanga, S. and Sanga, R. 2015. Soil Loss due to Crop Harvesting in Usambara Mountains, Tanzania: The Case of Carrot, Onion and Potato. *International Journal of Plant & Soil Science* 4(1): 18-28, 2015; Article no. IJPSS.2015.002, ISSN: 2320-7035.
755. Mwango, S. B., Msanya, B. M., Mtakwa, P. W., Kimaro, D. N., Deckers, J., Poesen, J., Nzunda, I. and Ringo, S. 2015. The Influence of Selected Soil Conservation Practices on Soil Properties and Crop Yields in the Usambara Mountains, Tanzania. *Advances in Research* 3(6): 558-570, 2015, Article no. AIR.2015.051, ISSN: 2348-0394.
756. Mwango, S. B., Msanya, B. M., Mtakwa, P. W., Kimaro, D. N., Deckers, J., Poesen, J., Meliyo, J. L. and Dondeyne, S. 2015. Soil Fertility and Crop Yield Variability under Major Soil and Water Conservation Technologies in the Usambara Mountains, Tanzania. *Journal of Scientific Research & Reports* 5(1): 32-46, 2015; Article no.JSRR.2015.072 ISSN: 2320-0227.
757. Monsieurs, E., Dessie, M., Adgo, E., Poesen, J., Deckers, J., Verhoest, N. and Nyssen, J. 2015. Seasonal Surface Drainage of Sloping Farmland: A Review of Its Hydrogeomorphic Impacts, Land Degradation & Development, 26:35–44. (doi: [10.1002/ldr.2286](https://doi.org/10.1002/ldr.2286)).
758. Mekete Dessie, Verhoest, Niko E.C., Pauwels, Valentijn R.N., Adgo, Enyew, Deckers, J., Poesen, J., Nyssen, J. 2015. Water balance of a lake with floodplain buffering: Lake Tana, Blue Nile Basin, Ethiopia, *Journal of Hydrology* 522 (2015):174–186 (<http://dx.doi.org/10.1016/j.jhydrol.2014.12.049>).
759. Ryken, N., Vanmaercke, M., Wanyama, J., Isabirye, M., Vanonckelen, S., Deckers , J., Poesen, J. 2015. Impact of papyrus wetland encroachment on spatial and temporal variabilities of stream flow and sediment export from wet tropical catchments. *Science of the Total Environment* 511 (2015):756–766.  
(<http://dx.doi.org/10.1016/j.scitotenv.2014.12.048>).
760. Bosco, C., de Rigo, D., Dewitte, O., Poesen, J., and Panagos, P. 2015. Modelling soil erosion at European scale: towards harmonization and reproducibility. *Natural Hazards and Earth System Sciences*, 15:225–245. (doi:10.5194/nhess-15-225-2015).

761. Monsieurs, E., Poesen, J., Mekete Dessie, Enyew Adgo, Verhoest,N.E.C., Deckers, J., Nyssen, J. 2015. Effects of drainage ditches and stone bunds on topographical thresholds for gully head development in North Ethiopia. *Geomorphology* 234:193-203. (<http://dx.doi.org/10.1016/j.geomorph.2015.01.011>).
762. Ranga, V., Van Rompaey, A., Poesen, J., Mohapatra, S.N. and Pani, P. 2015. Semi-automatic delineation of badlands using contrast in vegetation activity: a case study in the lower Chambal valley, India. *Geocarto International* 2015, 30(8):919-936. To link to this article: <http://dx.doi.org/10.1080/10106049.2015.1004130>.
763. J. Nyssen, J. Moeyersons, J. Deckers, Mitiku Haile, and J. Poesen, 2015. The Amba Landscape of the Ethiopian Highlands, Shaped by Rockfall. In Billi, P. (ed.) *Landscapes and Landforms of Ethiopia. World Geomorphological Landscapes* (Series editor Piotr Migon, Wrocław, Poland). Springer Dordrecht Heidelberg New York London. Chapter 9: 179-189. ISBN 978-94-017-8025-4 (DOI 10.1007/978-94-017-8026-1\_9).
764. A. Frankl, J. Poesen, J. Moeyersons, and J. Nyssen, 2015. Gully Development in the Tigray Highlands. In Billi, P. (ed.) *Landscapes and Landforms of Ethiopia. World Geomorphological Landscapes* (Series editor Piotr Migon, Wrocław, Poland). Springer Dordrecht Heidelberg New York London. Chapter 10:191-200. ISBN 978-94-017-8025-4 (DOI 10.1007/978-94-017-8026-1\_10).
765. Nigussie Haregeweyn, Atsushi Tsunekawa, Jean Poesen, Mitsuru Tsubo, Jan Nyssen, Matthias Vanmaercke, Amanuel Zenebe, Derege T. Meshesha, and Enyew Adgo, 2015. Sediment Yield Variability at Various Spatial Scales and Its Hydrological and Geomorphological Impacts on Dam catchments in the Ethiopian Highlands. In Billi, P. (ed.) *Landscapes and Landforms of Ethiopia. World Geomorphological Landscapes* (Series editor Piotr Migon, Wrocław, Poland). Springer Dordrecht Heidelberg New York London. Chapter 13:227-238. ISBN 978-94-017-8025-4 (DOI 10.1007/978-94-017-8026-1\_13).
766. Jan Nyssen, Jean Poesen, Sil Lanckriet, Miro Jacob, Jan Moeyersons, Mitiku Haile, Nigussie Haregeweyn, R. Neil Munro, Katrien Descheemaeker, Enyew Adgo, Amaury Frankl, and Jozef Deckers, 2015. Land Degradation in the Ethiopian Highlands. In Billi, P. (ed.) *Landscapes and Landforms of Ethiopia. World Geomorphological Landscapes* (Series editor Piotr Migon, Wrocław, Poland). Springer Dordrecht Heidelberg New York London. Chapter 21: 369-385. ISBN 978-94-017-8025-4 (DOI 10.1007/978-94-017-8026-1\_21).
767. Ampe, C., Langohr, R., Van Ranst, E., Finke, P., Deckers, S., Poesen, J. 2015. Bodem. In Borremans, M. (ed.) *Geologie van Vlaanderen*. Hoofdstuk 5, Academia Press, Gent, 260-338. ISBN 978 90 382 2433 6.
768. Jan Nyssen, Amaury Frankl, Jean Poesen, Amanuel Zenebe, Jozef Deckers, 2015. Perspectives locales et globales pour la gestion des terres des régions montagneuses du Nord de l'Éthiopie, *EchoGéo*, 31 (2015), 10 avril 2015:1-18. URL: <http://echogeo.revues.org/14171>; DOI: 10.4000/echogeo.14171
769. Panagos, P., Borrelli, P., Meusburger, K., van der Zanden, E., Poesen, J., Alewell, C. 2015. Modelling the effect of support practices (P-factor) on the reduction of soil erosion by water at European scale. *Environmental Science and Policy* 51 (2015):23-34. (<http://dx.doi.org/10.1016/j.envsci.2015.03.012>).
770. Li, Y., Yu, H. Q., Zhou, N., Tian, G., Poesen, J., Zhang, Z. D. 2015. Linking fine root and understory vegetation to channel erosion in forested hillslopes of southwestern China. *Plant and Soil* 389 (1-2):323-334. (DOI 10.1007/s11104-014-2362-8)
771. Vanmaercke, M., Poesen, J., Govers, G., Verstraeten, G. 2015. Quantifying human impacts on catchment sediment yield: A continental approach. *Global and Planetary Change* 130 (2015) 22–36. (<http://dx.doi.org/10.1016/j.gloplacha.2015.04.001>).
772. Mugonola, B., Mathijs, E., Poesen, J., Deckers, J. Wanyama, J., Isabirye, M. 2015. Soil and water conservation technologies in the upper Rwizi microcatchment of southwestern Uganda. In Nicol, A.; Langan, S.; Victor, M.; Gonsalves, J. (Eds.). *Water-smart agriculture in East Africa*. Colombo, Sri Lanka: International Water Management Institute (IWMI). CGIAR Research Program on Water, Land and

Ecosystems (WLE); Kampala, Uganda: Global Water Initiative East Africa (GWI EA): 193 – 198. ISBN 978-92-9090-813-5 (doi: 10.5337/2015.203)

773. Vermeiren, K., Verachtert, E., Kasaija, P., Loopmans, M., Poesen, J., Van Rompaey, A. 2015. Who could benefit from a bus rapid transit system in cities from developing countries? A case study from Kampala, Uganda. *Journal of Transport Geography* 47 (2015):13–22. (<http://dx.doi.org/10.1016/j.jtrangeo.2015.07.006>).

774. Vranken, L., Vantilt, G., Van Den Eeckhaut, M., Vandekerckhove, L., Poesen, J. 2015. Landslide risk assessment in a densely populated hilly area. *Landslides* (2015) 12:787–798. (DOI 10.1007/s10346-014-0506-9).

775. Panagos, P., Borrelli, P., Poesen, J., Ballabio, C., Lugato, E., Meusburger, K., Montanarella, L., Alewell, .C. 2015. The new assessment of soil loss by water erosion in Europe. *Environmental Science & Policy*, 54:438-447. (DOI: 10.1016/j.envsci.2015.08.012).

776. Mekete Dessie, Niko E.C. Verhoest, Valentijn R.N. Pauwels, Jean Poesen, Enyew Adgo, Jozef Deckers, Jan Nyssen. 2015. Runoff delivery from the hilly catchments of Lake Tana basin. In Enyew Adgo, Mekete Dessie, Jan Nyssen (Eds.). Tropical lakes in a changing environment: water, land, biology, climate and humans. International ConferenceTropilakes 2015. Bahir Dar University, Bahir Dar, Ethiopia, Preconference excursion guide: pp. 3-6.

777. Hanibal Lemma, Teshager Admasu, Mekete Dessie, Deribew Fentie, Jean Poesen, Enyew Adgo and Jan Nyssen. 2015. Sediment budget of Lake Tana and the role of lacustrine plains. In Enyew Adgo, Mekete Dessie, Jan Nyssen (Eds.). Tropical lakes in a changing environment: water, land, biology, climate and humans. International ConferenceTropilakes 2015. Bahir Dar University, Bahir Dar, Ethiopia, Preconference excursion guide: pp. 7-15.

778. Mekete Dessie, Niko E.C. Verhoest, Valentijn R.N. Pauwels, Jean Poesen, Enyew Adgo, Jozef Deckers, Jan Nyssen. 2015. Rainfall distribution over Lake Tana basin. In Enyew Adgo, Mekete Dessie, Jan Nyssen (Eds.). Tropical lakes in a changing environment: water, land, biology, climate and humans. International ConferenceTropilakes 2015. Bahir Dar University, Bahir Dar, Ethiopia, Preconference excursion guide: pp. 26-30.

779. Elise Monsieursa, Mekete Dessie, Niko E.C. Verhoest, Jean Poesen, Enyew Adgo, Jozef Deckers, Jan Nyssen. 2015. Effects of land drainage (“feses”) and physical soil and water conservation on gully and rill erosion in Lake Tana basin. In Enyew Adgo, Mekete Dessie, Jan Nyssen (Eds.). Tropical lakes in a changing environment: water, land, biology, climate and humans. International ConferenceTropilakes 2015. Bahir Dar University, Bahir Dar, Ethiopia, Preconference excursion guide: pp. 31-37.

780. Mekete Dessie, Niko E.C. Verhoest, Valentijn R.N. Pauwels, Jean Poesen, Enyew Adgo, Jozef Deckers, Jan Nyssen. 2015. The water balance of Lake Tana. In Enyew Adgo, Mekete Dessie, Jan Nyssen (Eds.). Tropical lakes in a changing environment: water, land, biology, climate and humans. International ConferenceTropilakes 2015. Bahir Dar University, Bahir Dar, Ethiopia, Preconference excursion guide: pp. 54-60.

781. Mekete Dessie, Niko E.C. Verhoest, Valentijn R.N. Pauwels, Jean Poesen, Enyew Adgo, Jozef Deckers, Jan Nyssen. 2015. Role of alluvial plains in buffering floods and sediment. In Enyew Adgo, Mekete Dessie, Jan Nyssen (Eds.). Tropical lakes in a changing environment: water, land, biology, climate and humans. International ConferenceTropilakes 2015. Bahir Dar University, Bahir Dar, Ethiopia, Preconference excursion guide: pp. 70-73.

782. Ludwin Poppe, Amaury Frankl, Jean Poesen, Teshager Admasu, Mekete Dessie, Enyew Adgo, Josef Deckers, Jan Nyssen. 2015. Geomorphology of Lake Tana basin. In Jan Nyssen, Enyew Adgo, Mekete Dessie (Editors), 2015. Excursion guide of the TropiLakes 2015 mid-conference excursion. Bahir Dar, Ethiopia: Bahir Dar University: pp. 3-9.

783. Mekete Dessie, Niko E.C. Verhoest, Valentijn R.N. Pauwels, Jean Poesen, Enyew Adgo, Jozef Deckers, Jan Nyssen. 2015. The water balance of Lake Tana. In Jan Nyssen, Enyew Adgo, Mekete Dessie

(Editors), 2015. Excursion guide of the TropiLakes 2015 mid-conference excursion. Bahir Dar, Ethiopia: Bahir Dar University: pp. 10-15.

784. Hanibal Lemma, Teshager Admasu, Mekete Dessie, Deribew Fentie, Jean Poesen, Enyew Adgo and Jan Nyssen. 2015. Sediment budget of Lake Tana and the role of lacustrine plains. In Jan Nyssen, Enyew Adgo, Mekete Dessie (Editors), 2015. Excursion guide of the TropiLakes 2015 mid-conference excursion. Bahir Dar, Ethiopia: Bahir Dar University: pp. 16-24.

785. Vannoppen, W., Vanmaercke, M., De Baets, S., Poesen, J. 2015. A review of the mechanical effects of plant roots on concentrated flow erosion rates. *Earth-Science Reviews* 150 (2015) 666–678. (<http://dx.doi.org/10.1016/j.earscirev.2015.08.011>).

786. Vigiak, O., Malagó, A., Fayçal Bouraoui, Vanmaercke, M., Poesen. 2015. Adapting SWAT hillslope erosion model to predict sediment concentrations and yields in large Basins. *Science of the Total Environment* 538 (2015) 855–875. (<http://dx.doi.org/10.1016/j.scitotenv.2015.08.095>). Supplementary Material: 6 pp.

787. Sergeant, A., Poesen, J., Duchateau, P., Vranken, L. 2016. A methodological framework to assess the socio-economic impact of underground quarries: A case study from Belgian Limburg. *Science of the Total Environment* 541 (2016) 559–569. (<http://dx.doi.org/10.1016/j.scitotenv.2015.09.079>).

788. Gebeyehu Taye, Poesen, J., Vanmaercke, M., van Wesemael, B., Martens, L., Teka, D., Nyssen, J., Deckers, J., Vanacker, V., Haregeweyn, N., Hallet, V. 2015. Evolution of the effectiveness of stone bunds and trenches in reducing runoff and soil loss in the semi-arid Ethiopian highlands. *Zeitschrift für Geomorphologie*, 59(4):477-493. (DOI: 10.1127/zfg/2015/0166).

789. Ionita, I., Fullen, M., Zglobicki, W., Poesen, J. 2015. Gully erosion as a natural and human-induced hazard. *Natural Hazards* (2015) 79:S1–S5 (DOI 10.1007/s11069-015-1935-z).

790. Nyssen, J., Frankl, A., Zenebe, A., Poesen, J., Deckers, J. 2015. Environmental conservation for food production and sustainable livelihood in tropical Africa. *Land Degradation & Development* Vol 26 (7), October 2015:629-631. (DOI: 10.1002/lrd.2379).

791. Nyssen, J., Frankl, A., Zenebe, A., Deckers, J., Poesen, J. 2015. Land management in the northern Ethiopian highlands: local and global perspectives; past, present and future. *Land Degradation & Development* 26: 759–764 (2015). (DOI: 10.1002/lrd.2336).

792. Vandepitte, C., Vanneste, D., Poesen, J. 2015. Geo-toerisme : geo-wetenschappelijke en toeristische expertise hand in hand ? *Jaarboek De Aardrijkskunde* 2015:79-85.

793. Schotmans, J., Poesen, J., Vanmaercke, M. 2015. Hoe zijn ravijnen in oude bossen ontstaan ? Studiegeval Neigembos. *Jaarboek De Aardrijkskunde* 2015:101-106.

794. Poesen, J. 2015. Soil erosion hazard and mitigation in the Euro-Mediterranean region: do we need more research? *Hungarian Geographical Bulletin* 64 2015 (4):293-299.

795. Vlaeminck, P., Maertens, M., Isabirye, M., Vanderhoydonks F., Poesen, J., Deckers, S., Vranken, L. 2016. Coping with landslide risk through preventive resettlement. Designing optimal strategies through choice experiments for the Mount Elgon region, Uganda. *Land Use Policy* 51 (2016):301–311. (<http://dx.doi.org/10.1016/j.landusepol.2015.11.023>).

796. Haregeweyn, N., Tsunekawa, A., Nyssen, J., Poesen, J., Tsubo, M., Tsegaye Meshesa, D., Schütt, B., Adgo, E., Tegegne, F. 2015. Soil erosion and conservation in Ethiopia: A review. *Progress in Physical Geography* 2015, 39(6):750-774. (DOI: 10.1177/0309133315598725).

797. Kervyn, M., Jacobs, L., Maes, J., Bih Che, V., de Hontheim, A., Dewitte, O., Isabirye, M., Sekajugo, J., Kabaseke, C., Poesen, J., Vranken, L., Mertens, K. 2015. Landslide resilience in Equatorial Africa: Moving beyond problem identification! *Belgeo* 1 (2015): 1-19. (URL : <http://belgeo.revues.org/15944>).

798. Kassa Teka Belay, Van Rompaey, A., Poesen, J., Van Bruyssel, S., Deckers, J., Kassa Amare 2015. Spatial analysis of land cover changes in eastern Tigray (Ethiopia) from 1965 to 2007: are there signs of a forest transition? *Land Degradation & Development* 26: 680–689 (DOI: 10.1002/ldr.2275).
799. Vanmaercke M., Poesen J., Van Mele B., Demuzere M., Bruynseels A., Golosov V., Rodrigues Bezerra J., Bolysov S., Dvinskikh A., Frankl A., Fuseina Y., Guerra A., Haregeweyn N., Ionita I., Fils Makanzu Imwangana, Moeyersons J., Moshe I., Nazari Samani A., Niacsui L., Nyssen J., Otsuki Y., Radoane M., Rysin I., Ryzhov Y., Yermolaev O. 2016. How fast do gully headcuts retreat? *Earth-Science Reviews* 154 (2016): 336–355 + Appendix: 41 pp. (<http://dx.doi.org/10.1016/j.earscirev.2016.01.009>).
800. Panagos, P., Borrellia, P., Poesen, J., Meusburger, K., Ballabio, C., Lugato, E., Montanarella, L., Alewell, C. 2016. Reply to the comment on “The new assessment of soil loss by water erosion in Europe” by Fiener & Auerswald. *Environmental Science & Policy* 57 (2016):143–150. (<http://dx.doi.org/10.1016/j.envsci.2015.12.011>).
801. Panagos, P., Borrelli, P., Poesen, J., Meusburger, K. Ballabio, C., Lugato, E., Montanarella, L., Alewell, C. 2016. Reply to “The new assessment of soil loss by water erosion in Europe. Panagos P. et al., 2015 *Environ. Sci. Policy* 54, 438-447- A response” by Evans and Boardman [Environ. Sci. Policy 58, 11–15], *Environ. Sci. Policy* 59, 53–57. (<http://dx.doi.org/10.1016/j.envsci.2016.02.010>).
802. Colen, L., Turkelboom, F., Van Steenwinkel, S., Kasem Al Ahmed, Deckers, J., Poesen, J. 2016. How the soil moves upward in the olive orchards of NW Syria: sustainability analysis of a local innovation. *Land Degradation & Development*. 27: 416–426 (DOI: 10.1002/ldr.2259).
803. Ranga, V., Poesen, J., Van Rompaey, A., Mohapatra, S.N., Pani, P. 2016. Detection and analysis of badlands dynamics in the Chambal River Valley (India), during the last 40 (1971–2010) years. *Environmental Earth Sciences* 75:183 (12 p.) (DOI 10.1007/s12665-015-5017-z).
804. Monsieurs, E., Mekete Dessie, Verhoest, N., Poesen, J., Enyew Adgo, Deckers, J. and Nyssen, J. 2016. Impact of draining hilly lands on runoff and on-site erosion: a case study from humid Ethiopia. *Earth Surf. Process. Landforms* 41:513–525. (DOI: 10.1002/esp.3845).
805. Nigussie Haregeweyn, Atsushi Tsunekawa, Mitsuru Tsubo, Derege Meshesha, Enew Adgo, Jean Poesen, Brigitte Schütt. 2016. Analyzing the hydrologic effects of region-wide land and water development interventions: a case study of the Upper Blue Nile basin. *Regional Environmental Change*, 16:951–966. (DOI 10.1007/s10113-015-0813-2).
806. Mwango, S.B., Msanyai, B.M., Mtakwa, P.W., Kimaro, D.N., Deckers, J., Poesen, J. 2016. Effectiveness of mulching under MIRABA in controlling soil erosion, fertility restoration and crop yield in the Usambara Mountains, Tanzania. *Land Degradation and Development* 27:1266–1275. (doi: 10.1002/ldr.2332).
807. Mertens K., Jacobs, L., Maes, J., Kabaseke C., Maertens M., Poesen, J., Kervyn M., Vranken, L. 2016. The direct impact of landslides on household income in tropical regions: A case study from the Rwenzori Mountains in Uganda. *Science of the Total Environment* 550:1032–1043. (DOI <http://dx.doi.org/10.1016/j.scitotenv.2016.01.171>).
808. Broeckx, J., Vanmaercke, M., Bălteanu, D., Chendeş, V., Sima, M., Enciu, P., Poesen, J. 2016. Linking landslide susceptibility to sediment yield at regional scale: application to Romania. *Geomorphology* 268 (2016): 222–232. (DOI: <http://dx.doi.org/10.1016/j.geomorph.2016.06.012>).
809. Jacobs, L., Dewitte, O., Poesen, J., Delvaux, D., Thiery, W., Kervyn, M. 2016. The Rwenzori Mountains, a landslide-prone region? *Landslides* (2016) 13:519–536. (DOI 10.1007/s10346-015-0582-5).
810. Goossens, D., Mees, F., Van Ranst, E., Tack, P., Vincze, L., Poesen, J. 2015. Rock fragments with dark coatings in slope deposits of the Famenne region, southern Belgium. *Belgeo* 4, 2015:1-13. <http://belgeo.revues.org/17625>
811. YU Han-qing, LI Yong, ZHOU Na, Adrian Chappell, LI Xiao-yu, Jean Poesen 2016. Soil nutrient loss due to tuber crop harvesting and its environmental impact in the North China Plain. *Journal of Integrative Agriculture* 2016, 15(7): 1612–1624. (doi: 10.1016/S2095-3119(15)61268-0).

812. Vanneste, D., Vandepitte, C., Poesen, J. 2016. Geotourism and the underestimated potential of 'ordinary' landscapes. The Belgian case. In Dr. Lia Bassa and Dr. Ferenc Kiss (Editors), TOURISM AND CULTURAL LANDSCAPES:TOWARDS A SUSTAINABLE APPROACH. International Congress, 12-16 JUNE, 2016 BUDAPEST, HUNGARY PROCEEDINGS OF TCL2016 CONFERENCE, INFOTA 2016; 587-598. Foundation for Information Society (INFOTA) Hungary, 1507 Budapest, (ISBN 978-615-80061-4-9).
813. Nigussie Haregeweyn, Atsushi Tsunekawa, Jean Poesen, Mitsuru Tsubo, Derege Tsegaye Meshesha , Ayele Almaw Fenta, Jan Nyssen, EnyewAdgo, 2017. Comprehensive assessment of soil erosion risk for better land use planning in river basins: Case study of the Upper Blue Nile River. *Science of the Total Environment* 574 (2017): 95–108. (<http://dx.doi.org/10.1016/j.scitotenv.2016.09.019>).
814. Panagos, P., Imeson, A., Meusburger, K., Borrelli, P., Poesen, J., Alewell, C. 2016. Soil conservation in Europe: wish or reality? *Land Degradation & Development* 27: 1547–1551. (DOI: 10.1002/ldr.2538).
815. Jacobs, L., Maes, J., Mertens, K., Sekajugo, J., Thiery, W., van Lipzig, N., Poesen, J., Kervyn, M., Dewitte, O., 2016. Reconstruction of a flash flood event through a multihazard approach: focus on the Rwenzori Mountains, Uganda. *Natural Hazards*, 84:851–876. (DOI 10.1007/s11069-016-2458-y).
816. Vannoppen, W., Poesen, J., Peeters, P., De Baets, S., Vandevorde, B. 2016. Root properties of vegetation communities and their impact on the erosion resistance of river dikes. *Earth Surface Processes and Landforms* 41: 2038–2046 + Suppl. Material: 1 p. (DOI: 10.1002/esp.3970).
817. Frankl, A., Deckers, J., Moulaert, L., Van Damme, A., Mitiku Haile, Poesen, J., Nyssen, J., 2016. Integrated solutions for combating gully erosion in areas prone to soil piping: innovations from the drylands of Northern Ethiopia. *Land Degradation & Development*, 27: 1797–1804 (2016) (DOI:10.1002/ldr.2301).
818. Helsen, K., Vannoppen, W., Honnay, O., Poesen, J. 2016. Both below-ground and above-ground functional traits can help predict levee grassland root length density as a proxy for flow erosion resistance. *Journal of Vegetation Science* 27 (2016) 1254–1263. (Doi: 10.1111/jvs.12442).
819. Guyassa, E., Frankl, A., Zenebe, A., Poesen, J., Nyssen, J. 2017. Effects of check dams on runoff characteristics along gully reaches, the case of Northern Ethiopia. *Journal of Hydrology* 545 (2017): 299–309. (<http://dx.doi.org/10.1016/j.jhydrol.2016.12.019>).
820. Nyssen, J., Gebreselassie, S., Assefa, R., Deckers, J., Zenebe, A., Poesen, J., and Frankl, A. 2017. "Boulder-Faced Log Dams as an Alternative for Gabion Check Dams in First-Order Ephemeral Streams with Coarse Bed Load in Ethiopia." *ASCE J. Hydraul. Eng.*, 2017, 143(1): 05016005:1-13. (DOI: [10.1061/\(ASCE\)HY.1943-7900.0001217](https://doi.org/10.1061/(ASCE)HY.1943-7900.0001217))
821. Vannoppen, W., Verachtert, E., Poesen, J. 2017. Pipeflow response in loess-derived soils to precipitation and groundwater table fluctuations in a temperate humid climate. *Hydrological Processes* 2017; 31: 586–596 (DOI 10.1002/hyp.11049).
822. Henok Kassa, Dondeyne, S., Poesen, J., Frankl, A., Nyssen, J. 2017. Transition from forest-based to cereal-based Agricultural systems: a review of the drivers of land use change and degradation in southwest Ethiopia. *Land Degradation & Development*, . 28: 431–449 (2017) (DOI: 10.1002/ldr.2575).
823. Kołodyńska-Gawrysiak, R. and Poesen, J. 2017. Closed depressions in the European loess belt – Natural or anthropogenic origin? *Geomorphology* 288 (2017) 111–128. Invited Review paper (<http://dx.doi.org/10.1016/j.geomorph.2017.02.004>).
824. Hooke, J., Barberá, G., Cammeraat, L.H., Castillo, V., Poesen, J., Torri, D., van Wesemael, B. 2017. Chapter 1: Introduction. In Hooke, J.M. and Sandercock, P.J. (Eds.) Combating Desertification and Land Degradation. Spatial Strategies using Vegetation. SpringerBriefs in Environmental Science. Springer Cham, Switzerland: 1-12. ISBN 978-3-319-44449-9. (DOI 10.1007/978-3-319-44451-2).
825. Sandercock, P., Hooke, J., Barberá, G., Navarro Cano, J., Querejeta, J.I., Lesschen, J.P., Cammeraat, E., Meerkerk, A., van Wesemael, B., De Baets, S., Poesen, J. 2017. Chapter 3: Conditions for Growth of Plants. In Hooke, J.M. and Sandercock, P.J. (Eds.) Combating Desertification and Land Degradation.

Spatial Strategies using Vegetation. SpringerBriefs in Environmental Science. Springer Cham, Switzerland: 39-78. ISBN 978-3-319-44449-9. (DOI 10.1007/978-3-319-44451-2).

826. Sandercock, P., Hooke, J., De Baets, S., Poesen, J., Meerkerk, A., van Wesemael, B., Cammeraat, E. 2017. Chapter 4: Effectiveness of plants and vegetation in erosion control and restoration. In Hooke, J.M. and Sandercock, P.J. (Eds.) Combating Desertification and Land Degradation. Spatial Strategies using Vegetation. SpringerBriefs in Environmental Science. Springer Cham, Switzerland: 79-104. ISBN 978-3-319-44449-9. (DOI 10.1007/978-3-319-44451-2).
827. Hooke, J., Sandercock, P., Barberá, G., Castillo, V., Cammeraat, E., De Baets, S., Poesen, J., Torri, D., van Wesemael, B. 2017. Chapter 5: Synthesis and application of spatial strategies for use of vegetation to minimize connectivity. In Hooke, J.M. and Sandercock, P.J. (Eds.) Combating Desertification and Land Degradation. Spatial Strategies using Vegetation. SpringerBriefs in Environmental Science. Springer Cham, Switzerland: 105-135. ISBN 978-3-319-44449-9. (DOI 10.1007/978-3-319-44451-2).
828. Maes J., Kervyn M., de Hontheim A., Dewitte O., Jacobs L., Mertens K., Vanmaercke M., Vranken L., Poesen 2017 . Landslide risk reduction measures: A review of practices and challenges for the tropics, *Progress in Physical Geography*, 41(2):191-221. DOI: 10.1177/0309133316689344
829. Vigiak, O., Malagóa, A., Bouraoui, F., Vanmaercke, M., Obreja, F., Poesen, J., Habersack, H., Fehér, J., Grošelj, S. 2017. Modelling sediment fluxes in the Danube River Basin with SWAT. *Science of the Total Environment* 599–600 (2017) 992–1012. (<http://dx.doi.org/10.1016/j.scitotenv.2017.04.236>).
830. Van Eynde, A., Dondeyne, S., Isabirye, M., Deckers, J., Poesen, J. 2017. Impact of landslides on soil characteristics: Implications for estimating their age. *Catena* 157 (2017) 173–179. <http://dx.doi.org/10.1016/j.catena.2017.05.003>
831. Jacobs, L., Dewitte, O., Kabaseke, C., Kervyn, F., Maes, J., Mertens, K., Nobile, A., Sekajugo, J., Poesen, J., Samyn, D., Kervyn, M. 2017. Landslide Diversity in the Rwenzori Mountains (Uganda). In Matjaž Mikoš, Binod Tiwari, Yueping Yin and Kyoji Sassa (Editors), *Advancing Culture of Living with Landslides, Volume 2 Advances in Landslide Science*, Springer International Publishing AG 2017:79-86. DOI 10.1007/978-3-319-53498-5\_10
832. Maes, J., Poesen, J., Parra, C., Kabaseke, C., Bosco Bwambale, Mertens, K., Jacobs, L., Dewitte, O., Vranken, L., de Hontheim, A., and Kervyn, M. 2017. Landslide Risk Management in Uganda: A Multi-level Policy Approach. In Matjaž Mikoš, Željko Arbanas, Yueping Yin, Kyoji Sassa (Editors), *Advancing Culture of Living with Landslides, Volume 3, Advances in Landslide Technology*, Springer International Publishing AG 2017:395-403. DOI 10.1007/978-3-319-53487-9\_46
833. Jacobs, L., Maes, J., Mertens, K., Sekajugo, J., Thiery, W., van Lipzig, N., Poesen, J., Kervyn, M. and Dewitte, O. 2017. Flash Floods in the Rwenzori Mountains— Focus on the May 2013 Multi-Hazard Kilembe Event. In Matjaž Mikoš, Nicola Casagli, Yueping Yin and Kyoji Sassa (Editors) *Advancing Culture of Living with Landslides, Volume 4, Diversity of Landslide Forms*, Springer International Publishing AG 2017: 631-641. DOI 10.1007/978-3-319-53485-5\_73
834. Kassa, H., Dondeyne, S., Poesen, J., Frankl, A., Nyssen, J. 2017. Impact of deforestation on soil fertility, soil carbon and nitrogen stocks: the case of the Gacheb catchment in the White Nile Basin, Ethiopia. *Agriculture, Ecosystems and Environment* 247:273–282. <http://dx.doi.org/10.1016/j.agee.2017.06.034>
835. Ayalew Talema, Poesen, J., Muys,B., Reubens, B., Hirko Dibaba, Diels, J. 2017. Multi-criteria-based plant species selection for gully and riverbank stabilization in a sub-humid tropical area. *Land Degradation & Development* 28: 1675–1686 (2017) DOI: 10.1002/ldr.2699
836. Bernatek-Jakiel, A., Vannoppen, W., Poesen, J. 2017. Assessment of grass root effects on soil piping in sandy soils using the pinhole test. *Geomorphology* 295 (2017) 563–571. <http://dx.doi.org/10.1016/j.geomorph.2017.08.027>
837. Poesen, J., Vanwallegem, T., Deckers, J. 2018. Gullies and Closed Depressions in the Loess Belt: Scars of Human–Environment Interactions. In A. Demoulin (ed.), *Landscapes and Landforms of Belgium and Luxembourg, World Geomorphological Landscapes*, Springer, Chapter 15: 353-267.

DOI 10.1007/978-3-319-58239-9\_15

838. Dewitte, O., Van Den Eeckhaut, M., Poesen, Demoulin, A. 2018. Landslides in Belgium—Two Case Studies in the Flemish Ardennes and the Pays de Herve. In A. Demoulin (ed.), Landscapes and Landforms of Belgium and Luxembourg, World Geomorphological Landscapes, Springer, Chapter 20: 335–355.  
 DOI 10.1007/978-3-319-58239-9\_20
839. Nyssen, J., Birhanu Biruk, Zbelo Tesfamariama, Frankl, A., Biadgilgn Demissie, Tesfaalem Ghebrejhannes, Hailemariam Meazza, Poesen, J., Van Eetvelde, V., Amanuel Zenebe, Deckers, J., Mitiku Haile. 2017. Geographical determinants of inorganic fertiliser sales and of resale prices in north Ethiopia. Agriculture, Ecosystems and Environment 249 (2017) 256–268. Suppl. Figures: 2 p.  
<http://dx.doi.org/10.1016/j.agee.2017.07.037>
840. Hailemariam Meaza, Amaury Frankl, Jean Poesen, Amanuel Zenebe, Jozef Deckers, Veerle Van Eetvelde, Biadgilgn Demissie, Tesfaalem Ghebrejhannes Asfaha, Jan Nyssen. 2017. Natural resource opportunities and challenges for rural development in marginal grabens e The state of the art with implications for the Rift Valley system in Ethiopia. Journal of Arid Environments 147 (2017) 1-16.  
<http://dx.doi.org/10.1016/j.jaridenv.2017.08.003>
841. Mekete Dessie, Verhoest, Niko E. C., Enyew Adgo, Poesen, J. and Nyssen, J. 2017. Scenario-based decision support for an integrated management of water resources, International Journal of River Basin Management, 15(4):485-502. DOI:10.1080/15715124.2017.1345917
842. Meron Tekalign, Koenraad Van Meerbeek, Raf Aerts, Lindsey Norgrove, Jean Poesen, Jan Nyssen & Bart Muys. 2017. Effects of biodiversity loss and restoration scenarios on tree-related ecosystem services. International Journal of Biodiversity Science, Ecosystem Services & Management, 13(1):434-443.  
<https://doi.org/10.1080/21513732.2017.1399929>
843. Vannoppen, W., De Baets, S., Keeble, J., Dong, Y., Poesen, J. 2017. How do root and soil characteristics affect the erosion-reducing potential of plant species? Ecological Engineering 109 (2017):186–195. <http://dx.doi.org/10.1016/j.ecoleng.2017.08.001>
844. Kefelegn Getahun, Poesen, J., Van Rompaey, A. 2017. Impacts of Resettlement Programs on Deforestation of Moist Evergreen Afromontane Forests in Southwest Ethiopia. Mountain Research and Development 37(4):474-486. <https://doi.org/10.1659/MRD-JOURNAL-D-15-00034.1>
845. Hayas, A., Poesen, J., Vanwalleghem, T. 2017. Rainfall and vegetation effects on temporal variation of topographic thresholds for gully initiation in Mediterranean cropland and olive groves. Land Degradation & Development 28: 2540–2552 (2017) DOI: 10.1002/lde.2805
846. Zeli Tan , L. Ruby Leung , Hongyi Li , Teklu Tesfa, Matthias Vanmaercke, Jean Poesen, Xuesong Zhang, Hui Lu , and Jens Hartmann 2017. A Global Data Analysis for Representing Sediment and Particulate Organic Carbon Yield in Earth System Models. Water Resources Research, 53, 10,674–10,700; 27 pp. <https://doi.org/10.1002/2017WR020806>  
 Supporting information: 11 p.; Database (excel): 2953 data rows (70 pp).
847. Jacobs, L., Dewitte, O., Poesen, J., Maes, J., Mertens, K., Sekajugo, J., Kervyn, M. 2017. Landslide characteristics and spatial distribution in the Rwenzori Mountains, Uganda. Journal of African Earth Sciences 134 (2017) 917-930. <http://dx.doi.org/10.1016/j.jafrearsci.2016.05.013>
848. Poesen, J. 2018. Soil erosion in the Anthropocene: Research needs. Earth Surface Processes and Landforms 43, 64–84 (2018). DOI: 10.1002/esp.4250
849. Henok Kassa, Stefaan Dondeyne, Jean Poesen, Amaury Frankl, and Jan Nyssen 2018. Agro-ecological implications of forest and agroforestry systems conversion to cereal-based farming systems in the White Nile Basin, Ethiopia. Agroecology and Sustainable Food Systems 2018, 42 (2):149–168.  
<https://doi.org/10.1080/21683565.2017.1382425>

850. Jacobs, L., Dewitte, O., Poesen, J., Sekajugo, J., Nobile, A., Rossi, M., Thiery, W. and Kervyn, M. 2018. Field-based landslide susceptibility assessment in a data-scarce environment: the populated areas of the Rwenzori Mountains. *Natural Hazards and Earth System Sciences*, 18, 105–124, 2018  
<https://doi.org/10.5194/nhess-18-105-2018>
851. Mertens, K., Jacobs, L., Maes, J., Armand, K., BihChe, V., Bwambale, B., de Hontheim, A., Dewitte, O., Kabaseke, C., Poesen, J., Vranken, L., Kervyn, M. 2018. Landslides in Equatorial Africa, Identifying culturally, technically and economically feasible resilience strategies. *Policy Briefs*. Belspo, 15 p.  
ISBN: 9789090308173      EAN: 9789090308173
852. Hanibal Lemma, Teshager Admasu, Mekete Dessie, Derbew Fentie, Jozef Deckers, Amaury Frankl, Jean Poesen, Enyew Adgo and Jan Nyssen 2018. Revisiting lake sediment budgets: How the calculation of lake lifetime is strongly data and method dependent. *Earth Surf. Process. Landforms* 43, 593–607 (2018). DOI: 10.1002/esp.4256
853. Mertens, K., Jacobs, L., Maes, J., Poesen, J., Kervyn, M., Vranken, L. 2018. Disaster risk reduction among households exposed to landslide hazard: A crucial role for self-efficacy? *Land Use Policy* 75 (2018): 77 – 91. <https://doi.org/10.1016/j.landusepol.2018.01.028>
854. Maes, J., Parra, C., Mertens, K., Bwambale, B., Jacobs, L., Poesen, J., Dewitte, O., Vranken, L., de Hontheim, A., Kabaseke, C., Kervyn, M. 2018. Questioning network governance for disaster risk management: Lessons learnt from landslide risk management in Uganda. *Environmental Science and Policy* 85 (2018) 163–171. <https://doi.org/10.1016/j.envsci.2018.04.002>
855. Kołodyńska-Gawrysiak, R., Poesen, J., Gawrysiak, L. 2018. Assessment of long-term Holocene soil erosion rates in Polish loess areas using sedimentary archives from closed depressions. *Earth Surface Processes and Landforms* 43, 978–1000 (2018). DOI: 10.1002/esp.4296
856. De Baets, S., Poesen, J., Reubens, B., Wemans, K., De Baerdemaeker, J. and Muys, B. 2018. Correction to: Root tensile strength and root distribution of typical Mediterranean plant species and their contribution to soil shear strength. *Plant Soil* (2018) 426:429–430  
<https://doi.org/10.1007/s11104-018-3636-3>
857. Taye, G., Vanmaercke, M., Poesen, J., Van Wesemael, B.; Tesfaye, S.; Teka, D., Nyssen, J.; Deckers, J., Haregeweyn, N. 2018. Determining RUSLE P- and C-factors for stone bunds and trenches in rangeland and cropland, North Ethiopia. *LAND DEGRADATION & DEVELOPMENT*, 29 (3): 812-824  
<https://doi.org/10.1002/ldr.2814>
858. Broeckx, J., Vanmaercke, M., Duchateau, R., Poesen, J. 2018. A data-based landslide susceptibility map of Africa. *Earth-Science Reviews* 185 (2018) 102–121 <https://doi.org/10.1016/j.earscirev.2018.05.002>  
Supplementary data: 18053 lines, 180 pp.
859. Hailemariam Meaza, Amaury Frankl, Jean Poesen, Amanuel Zenebe, Veerle Van Eetvelde, Biadgilgn Demissie, Tesfaalem Ghebreyohannes Asfaha, Jozef Deckers, Dirk Raes & Jan Nyssen 2018. Water balance variability in the confined Aba'ala limestone graben at the western margin of the Danakil depression, northern Ethiopia, *Hydrological Sciences Journal*, 63 (6):957-977,  
DOI: 10.1080/02626667.2018.1466055 <https://doi.org/10.1080/02626667.2018.1466055>
860. Yifan Dong, Donghong Xiong, Zheng'an Su, Dan Yang, Xueyong Zheng, Liangtao Shi, Jean Poesen 2018. Effects of vegetation buffer strips on concentrated flow hydraulics and gully bed erosion based on in situ scouring experiments. *Land Degradation and Development* 2018 (29):1672-1682.  
<https://doi.org/10.1002/ldr.2943>
861. Etefa Guyassa, Amaury Frankl, Amanuel Zenebe, Jean Poesen and Jan Nyssen 2018. Gully and soil and water conservation structure densities in semi-arid northern Ethiopia over the last 80 years. *Earth Surf. Process. Landforms* 43, 1848–1859 (2018). DOI: 10.1002/esp.4360
862. Meron Tekalign, Charlotte Flasse, Amaury Frankl, Anton Van Rompaey, Jean Poesen, Jan Nyssen, Bart Muys 2018. Forest cover loss and recovery in an East African remnant forest area: Understanding its context and drivers for conservation and sustainable

ecosystem service provision. *Applied Geography* 98 (2018) 133–142.  
<https://doi.org/10.1016/j.apgeog.2018.07.014>

863. Mehdi Rahmati, Lutz Weihermüller, Jan Vanderborght, Yakov A. Pachepsky, Lili Mao, Seyed Hamidreza Sadeghi, Niloofar Moosavi, Hossein Kheirfam, Carsten Montzka, Kris Van Looy, Brigitta Toth, Zeinab Hazbavi, Wafa Al Yamani, Ammar A. Albalasmeh, Ma'in Z. Alghzawi, Rafael Angulo-Jaramillo, Antônio Celso Dantas Antonino, George Arampatzis, Robson André Armindo, Hossein Asadi, Yazidhi Bamutaze, Jordi Batlle-Aguilar, Béatrice Béchet, Fabian Becker, Günter Blöschl, Klaus Bohne, Isabelle Braud, Clara Castellano, Artemi Cerdà, Maha Chalhoub, Rogerio Cichota, Milena Císlerová, Brent Clothier, Yves Coquet, Wim Cornelis, Corrado Corradini, Artur Paiva Coutinho, Muriel Bastista de Oliveira, José Ronaldo de Macedo, Matheus Fonseca Durães, Hojat Emami, Iraj Eskandari, Asghar Farajnia, Alessia Flammini, Nándor Fodor, Mamoun Gharaibeh, Mohamad Hossein Ghavimipanah, Teamrat A. Ghezzehei, Simone Giertz, Evangelos G. Hatzigiannakis, Rainer Horn, Juan José Jiménez, Diederik Jacques, Saskia Deborah Keesstra, Hamid Kelishadi, Mahboobeh Kiani-Harchegani, Mehdi Kouselou, Madan Kumar Jha, Laurent Lassabatere, Xiaoyan Li, Mark A. Liebig, Lubomír Lichner, María Victoria López, Deepesh Machiwal, Dirk Mallants, Micael Stolben Mallmann, Jean Dalmo de Oliveira Marques, Miles R. Marshall, Jan Mertens, Félicien Meunier, Mohammad Hossein Mohammadi, Binayak P. Mohanty, Mansonia Pulido-Moncada, Suzana Montenegro, Renato Morbidelli, David Moret-Fernández, Ali Akbar Moosavi, Mohammad Reza Mosaddeghi, Seyed Bahman Mousavi, Hasan Mozaffari, Kamal Nabiollahi, Mohammad Reza Neyshabouri, Marta Vasconcelos Ottoni, Theophilo Benedicto Ottoni Filho, Mohammad Reza Pahlavan-Rad, Andreas Panagopoulos, Stephan Peth, Pierre-Emmanuel Peyneau, Tommaso Picciati, **Jean Poesen**, Manuel Pulido, Dalvan José Reinert, Sabine Reinsch, Meisam Rezaei, Francis Parry Roberts, David Robinson, Jesús Rodrigo-Comino, Otto Corrêa Rotunno Filho, Tadaomi Saito, Hideki Suganuma, Carla Saltalippi, Renáta Sándor, Brigitta Schütt, Manuel Seeger, Nasrollah Sepehrnia, Ehsan Sharifi Moghaddam, Manoj Shukla, Shiraki Shutaro, Ricardo Sorando, Ajayi Asishana Stanley, Peter Strauss, Zhongbo Su, Ruhollah Taghizadeh-Mehrjardi, Encarnación Taguas, Wenceslau Gerald Teixeira, Ali Reza Vaezi, Mehdi Vafakhah, Tomas Vogel, Iris Vogeler, Jana Votruba, Steffen Werner, Thierry Winarski, Deniz Yilmaz, Michael H. Young, Steffen Zacharias, Yijian Zeng, Ying Zhao, Hong Zhao, and Harry Vereecken. 2018. Development and analysis of the Soil Water Infiltration Global database. *Earth Syst. Sci. Data*, 10, 1237–1263, 2018. <https://doi.org/10.5194/essd-10-1237-2018>
864. Wojciech Zgłobicki, Jean Poesen, Michael Daniels, Maurizio Del Monte, Antonio J.T. Guerra, Veena Joshi, Garry Paterson, Jeffrey Shellberg, Albert Solé-Benet, Zheng'an Su 2018. Geotouristic Value of Badlands. In Estela Nadal-Romero, Juan F. Martínez-Murillo and Nikolaus J. Kuhn (eds.). *Badland Dynamics in the Context of Global Change*, Elsevier, Amsterdam, 277 – 313.  
<https://doi.org/10.1016/B978-0-12-813054-4.00009-5>
865. Etefa Guyassa, Frankl, A., Amanuel Zenebe, Lanckriet, S., Biadgilgn Demissie, Gebreyohanan Zenebe, Poesen, J., Nyssen, J., 2018. Changes in Land Use/Cover mapped over 80 Years in the Highlands of Northern Ethiopia. *Journal of Geographical Sciences*, 28(10): 1538–1563. (IF 1.623)  
DOI: <https://doi.org/10.1007/s11442-018-1560-3>
866. Torri, D., Poesen, J., Rossi, M., Amici, V., Spennacchi, D., Cremer, C. 2018. Gully head modelling: A Mediterranean badland case study. *Earth Surf. Process. Landforms* 43, 2547–2561 (2018).  
DOI: 10.1002/esp.4414
867. Helsen K., Vannoppen W., Poesen J. & Honnay O. 2018. Inzetten van planten diversiteit tegen dijkerosie: Focus op de dijkvegetaties in het Schelde-estuarium. (Using plant diversity to tackle levee erosion. Focusing on the levee grasslands of the Scheldt estuary). *Natuur.focus* 17(3): 117-122 [in Dutch]
868. Zegeye A.D., Langendoen E.J., Tilahun S.A., Mekuria W., Poesen, J., Steenhuis, T.S. 2018. Root reinforcement to soils provided by common Ethiopian highland plants for gully erosion control. *Ecohydrology*. 2018;11:e1940. <https://doi.org/10.1002/eco.1940>
869. Bernatek-Jakiel A., Poesen J. 2018. Subsurface erosion by soil piping: significance and research needs. *Earth-Science Reviews*, 185, Oct. 2018, 1107-1128. <https://doi.org/10.1016/j.earscirev.2018.08.006>

870. Meron Tekalign, Nicole Groot Zevert, Amanuel Weldegebriel, Jean Poesen, Jan Nyssen, Anton Van Rompaey, Lindsey Norgrove, Bart Muys and Liesbet Vranken, 2018. Do Tourists' Preferences Match the Host. Community's Initiatives? A Study of Sustainable Tourism in One of Africa's Oldest Conservation Areas. *Sustainability* 2018, 10, 4167: 20 pp. doi:10.3390/su10114167
871. Meron Tekalign, Charlotte Flasse, Amaury Frankl, Anton Van Rompaey, Jean Poesen, Jan Nyssen, Bart Muys 2018. Forest cover loss and recovery in an East African remnant forest area: Understanding its context and drivers for conservation and sustainable ecosystem service provision. *Applied Geography* 98 (2018) 133–142. <https://doi.org/10.1016/j.apgeog.2018.07.014>
872. Maes, J., Mbella Molombe, J., Mertens, K., Parra, C., Poesen, J., Bih Che, V., Kervyn, M. 2018. Socio-political drivers and consequences of landslide and flood risk zonation: A case study of Limbe city, Cameroon. *Environment and Planning C: Politics and Space.*( EPC: Politics and Space), 2019, 37(4): 707–731. DOI: 10.1177/2399654418790767  
<https://doi-org.kuleuven.ezproxy.kuleuven.be/10.1177/2399654418790767>
873. Panagos, P., Borrelli, P., Meusburger, K., Lugato, E., Ballabio, C., Poesen, J., Alewell, C., Montanarella, L. 2018. Soil erosion in Europe: current status, future climate and land use scenarios. In Zlatic, M and Kostadinov, S (Editors). *SOIL AND WATER RESOURCES PROTECTION IN THE CHANGING ENVIRONMENT*. Proc. 3rd Conf. World Association of Soil and Water Conservation (WASWAC), 2016/08/22 - 2016/08/26, Belgrade, SERBIA. CATENA VERLAG; 2018; Vol. 45;1-13. ISBN 978-3-510-65418-5, US-ISBN 1-59326-267-1
874. Kervyn, M., Maes, J., Jacobs L., Mertens K., Poesen, J., Dewitte, O., Vranken, L., de Hontheim, A. 2018. Landslides in Equatorial Africa: Identifying culturally, technically and economically feasible resilience strategies. Final Report Afreslide project (BR/121/A2/AfReSlide), Begian Science Policy (BELSPO), Belgian Research Action through Interdisciplinary Networks (BRAIN-be), 124 pp.  
[https://www.belspo.be/belspo/brain-be/projects/FinalReports/AfReSlide\\_FinRep\\_AD.pdf](https://www.belspo.be/belspo/brain-be/projects/FinalReports/AfReSlide_FinRep_AD.pdf)
875. van der Putten, W., Ramirez, K., Poesen, J., Lisá, L., Šimek, M., Winding, A., Moora, M., Lemanceau, P., Setälä, H., Zaitsev, A., Economou-Eliopoulos, M., Hornung, E., Wall, D., De Angelis, P., Montanarella, L., Lipiec, J., Briones, M., Hedlund, K., van der Heijden, M., Bardgett, R., Powlson, D.S., Goulding, K., Norton, M. 2018. Opportunities for soil sustainability in Europe. EASAC policy report 36, Sept. 2018, ISBN: 978-3-8047-3898-0. [https://easac.eu/fileadmin/PDF\\_s/reports\\_statements/EASAC\\_Soils\\_complete\\_Web-ready\\_210918.pdf](https://easac.eu/fileadmin/PDF_s/reports_statements/EASAC_Soils_complete_Web-ready_210918.pdf)
876. Rey F., Bifulco C., Bischetti G.B., Bourrier F, De Cesare, G., Florineth, F., Graf F., Marden M., Mickovski, C. Phillips S.B., Peklo K., Poesen J., Polster D., Preti F., Rauch H.P., Raymond P., Sangalli P., Tardio G., Stokes A. 2019. Soil and water bioengineering: Practice and research needs for reconciling natural hazard control and ecological restoration 2019. *Science of the Total Environment* 648 (2019) 1210–1218. <https://doi.org/10.1016/j.scitotenv.2018.08.217>
877. Panagos P., Borrelli P., Poesen J. 2019. Soil loss due to crop harvesting in the European Union: A first estimation of an underrated geomorphic process. *Science of the Total Environment* 664 (2019) 487–498. <https://doi.org/10.1016/j.scitotenv.2019.02.009>
878. Ayalew Talema, Poesen, J., Muys, B., Padro, R., Dibaba, H., Diels, J. 2019. Survival and growth analysis of multipurpose trees, shrubs, and grasses used to rehabilitate badlands in the subhumid tropics. *Land Degradation and Development* 2019, 30:470–480. DOI: 10.1002/ldr.3239
- 879 Nyssen, J., Van Eetvelde, V., Amanuel Zenebe, Deckers, J., Kelemework Tafere, Poesen, J., 2019. The "Graben" TEAM project, in: Nyssen, J., Biadgilgn Demissie, Tesfaalem Ghebreyohannes (eds.), Land, water, people and landscapes in north Ethiopia's grabens. VLIR-UOS, Mekelle University, Ghent University, KU Leuven. ISBN 9789082922226: 43-47.
880. Henok Kassa, Frankl, A., Dondeyne, S., Poesen, J., Nyssen, J. 2019. Sediment yield at southwest Ethiopia's forest frontier. *Land Degrad Dev.* 2019;30:695–705. DOI: 10.1002/ldr.3260

881 Zbelo Tesfamariam, Jan Nyssen, Jean Poesen, Tesfaalem Ghebreyohannes, Kelemework Tafere, Amanuel Zenebe, Seppe Deckers and Veerle Van Eetvelde 2019. Landscape research in Ethiopia: misunderstood or lost synergy? *The Rangeland Journal*, 2019, 41, 109–124.

<https://doi.org/10.1071/RJ18060>

882. Wojciech Zgłobicki, Jean Poesen, Marianne Cohen, Maurizio Del Monte, José M. García-Ruiz, Ion Ionita, Lilian Niacsu, Zora Machová, José F. Martín-Duque, Estela Nadal-Romero, Alessia Pica, Freddy Rey, Albert Solé-Benet, Miloš Stankoviansky, Christian Stoltz, Dino Torri, Juris Soms, Francesca Vergari. 2019. The Potential of Permanent Gullies in Europe as Geomorphosites. *Geoheritage* (2019) 11:217–239. DOI 10.1007/s12371-017-0252-1

883. Miruts Hagos, Jan Nyssen, Kassa Amare, Jean Poesen 2019. Geosites, geoheritage, human-environment interactions, and sustainable geotourism in Dogu'a Tembien. Chapter 1 in Nyssen, J., Jacob, M., Frankl, A. (eds), *Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District*. Springer GeoGuide: 3-27. [https://doi.org/10.1007/978-3-030-04955-3\\_1](https://doi.org/10.1007/978-3-030-04955-3_1)

884. Jan Moeyersons, Jan Nyssen, Jozef Deckers, Mitiku Haile, Jean Poesen 2019. Geomorphic processes in Late-Pleistocene and Holocene environments. Chapter 12 in Nyssen, J., Jacob, M., Frankl, A. (eds), *Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District*. Springer GeoGuide: 179-193. [https://doi.org/10.1007/978-3-030-04955-3\\_12](https://doi.org/10.1007/978-3-030-04955-3_12)

885. Kristine Walraevens, Marc Van Camp, Ine Vandecasteele, Wim Clymans, Jan Moeyersons, Amaury Frankl, Etefa Guyassa, Amanuel Zenebe, Jean Poesen, Katrien Descheemaeker, Jan Nyssen 2019. Hydrological context of water scarcity and storage on the mountain ridges in Dogu'a Tembien. Chapter 13. In Nyssen, J., Jacob, M., Frankl, A. (eds), *Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District*. Springer GeoGuide: 197-213. [https://doi.org/10.1007/978-3-030-04955-3\\_13](https://doi.org/10.1007/978-3-030-04955-3_13)

886. Amanuel Zenebe, Matthias Vanmaercke, Etefa Guyassa, Gert Verstraeten, Jean Poesen, Jan Nyssen 2019. The Giba, Tanqwa and Tsaliit rivers in the headwaters of the Tekezze basin. Chapter 14 in Nyssen, J., Jacob, M., Frankl, A. (eds), *Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District*. Springer GeoGuide: 215-230. [https://doi.org/10.1007/978-3-030-04955-3\\_14](https://doi.org/10.1007/978-3-030-04955-3_14)

887. Jan Moeyersons, Jan Nyssen, Miet Van den Eeckhaut, Mitiku Haile, Jozef Deckers, Jean Poesen 2019. Mass movements and argilliturbation in Dogu'a Tembien. Chapter 20 in Nyssen, J., Jacob, M., Frankl, A. (eds), *Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District*. Springer GeoGuide: 303-317. [https://doi.org/10.1007/978-3-030-04955-3\\_20](https://doi.org/10.1007/978-3-030-04955-3_20)

888. Karen Vancampenhout, Gebeyehu Taye, Jozef Deckers, Jean Poesen, Mitiku Haile, Jan Nyssen 2019. Sheet and rill erosion and its control: lessons from Dogu'a Tembien. Chapter 21 in Nyssen, J., Jacob, M., Frankl, A. (eds), *Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District*. Springer GeoGuide: 319-331. [https://doi.org/10.1007/978-3-030-04955-3\\_21](https://doi.org/10.1007/978-3-030-04955-3_21)

889. Amaury Frankl, Etefa Guyassa, Jean Poesen, Jan Nyssen 2019. Gully erosion and control in the Tembien highlands. Chapter 22 in Nyssen, J., Jacob, M., Frankl, A. (eds), *Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District*. Springer GeoGuide: 333-343. [https://doi.org/10.1007/978-3-030-04955-3\\_22](https://doi.org/10.1007/978-3-030-04955-3_22)

890. Matthias Vanmaercke, Nigussie Haregewyn, Amanuel Zenebe, Jan Nyssen, Jean Poesen 2019. Sediment yield and reservoir siltation in Tigray. Chapter 23 in Nyssen, J., Jacob, M., Frankl, A. (eds), *Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District*. Springer GeoGuide: 345-357. [https://doi.org/10.1007/978-3-030-04955-3\\_23](https://doi.org/10.1007/978-3-030-04955-3_23)

891. Jozef Deckers, Sander Tiens, Karen De Geyndt, Johan Van de Wauw, Mitiku Haile, Jean Poesen, Alemtsehay Tsegay, Karen Vancampenhout, Jan Nyssen 2019. Understanding soil spatial patterns for sustainable development. Chapter 24 in Nyssen, J., Jacob, M., Frankl, A. (eds), *Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District*. Springer GeoGuide: 361-372. [https://doi.org/10.1007/978-3-030-04955-3\\_24](https://doi.org/10.1007/978-3-030-04955-3_24)

892. Amanuel Zenebe, Atkilt Girma, Etefa Guyassa, Tesfaalem Gebreyohannes, Robert N. Munro, Mitiku Haile, Jean Poesen, Jozef Deckers, Jan Nyssen 2019. Land use and suitability for rainfed agriculture.

Chapter 25 in Nyssen, J., Jacob, M., Frankl, A. (eds), Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District. Springer GeoGuide: 373-386. [https://doi.org/10.1007/978-3-030-04955-3\\_25](https://doi.org/10.1007/978-3-030-04955-3_25)

893. Jan Nyssen, Solomon Gebregziabher, Desta Gebremichael, Etefa Guyassa, Jozef Deckers, Jean Poesen 2019. Farmland management, tillage and resulting cultivation terraces. Chapter 26 in Nyssen, J., Jacob, M., Frankl, A. (eds), Geo-Trekking in Ethiopia's Tropical Mountains, the Dogu'a Tembien District. Springer GeoGuide: 387-402. [https://doi.org/10.1007/978-3-030-04955-3\\_26](https://doi.org/10.1007/978-3-030-04955-3_26)

894. Hailemariam Meaza, Laurens Hermans, Jan Nyssen, Amaury Frankl, Amanuel Zenebe, Biadgilgn Demissie, Tesfaalem Ghebreyohannes Asfaha, Veerle Van Eetvelde, Jozef Deckers, Jean Poesen 2019. Spatial and temporal patterns of water salinity in the marginal grabens of Ethiopia's Danakil Depression. Land Degrad Dev. 2019;30:1407–1422. <https://doi.org/10.1002/ldr.3321>

895. Lemma H, Frankl A, van Griensven A, Poesen J, Adgo E, Nyssen J. 2019. Identifying erosion hotspots in Lake Tana Basin from a multisite Soil and Water Assessment Tool validation: Opportunity for land managers. Land Degrad. Dev. 2019;30:1449–1467. <https://doi.org/10.1002/ldr.3332>

896. Hailemariam Meaza, Amaury Frankl, Biadgilgn Demissie, Jean Poesen, Amanuel Zenebe, Girmay Gebresamuel, Tesfaalem Ghebreyohannes Asfaha, Sofie Annys, Veerle Van Eetvelde, Miro Jacob, Jozef Deckers, Dirk Raes, Jan Nyssen 2019. Water balance components of the potential agricultural grabens along the Rift Valley in northern Ethiopia. JOURNAL OF HYDROLOGY-REGIONAL STUDIES Volume: 24, 17 pp. Article Number: UNSP 100616, Published:AUG 2019. <https://doi.org/10.1016/j.ejrh.2019.100616>

897. Zbelo Tesfamariam, Nyssen, J., Tesfaalem Ghebreyohannes, Kelemework Tafere, Amanuel Zenebe, Poesen, J., Deckers, J., Van Eetvelde, V., 2019. Transhumance as a driving force of landscape change in the marginal grabens of northern Ethiopia. Singapore Journal of Tropical Geography, 40(3): 476-495. doi:10.1111/sjtg.12278

898. Maes, J., Mertens, K., Jacobs, L., Bosco Bwambale, Vranken, L., Dewitte, O., Poesen, J., Kervyn, M. 2019. Social multi-criteria evaluation to identify appropriate disaster risk reduction measures: application to landslides in the Rwenzori Mountains, Uganda. Landslides (2019) 16:1793–1807. DOI 10.1007/s10346-018-1030-0

899. Broeckx, J., Maertens, M., Isabirye, M., Vanmaercke, M., Namazzi, B., Deckers, J., Tamale, J., Jacobs, L., Thiery, W., Kervyn, M., Vranken, L., Poesen, J., 2019. Landslide susceptibility and mobilization rates in the Mount Elgon region, Uganda. Landslides (2019) 16:571–584. DOI 10.1007/s10346-018-1085-y

900. Poesen, J. 2019. Soil erosion in the Anthropocene: do we still need more research? Proceedings Global Symposium on Soil Erosion. FAO, Rome, 15-17 May 2019; p. 1-2. ISBN 978-92-5-131684-9

901. Fenta AA, Tsunekawa A, Haregeweyn N, Tsubo M, Poesen J, Borrelli P, Panagos P, Vanmaercke M, Broeckx J 2019. Assessment of water and wind erosion risk over the Eastern Africa region. Proceedings Global Symposium on Soil Erosion. FAO, Rome, 15-17 May 2019; p. 159-163. ISBN 978-92-5-131684-9

902. Nyssen, J., Tielens, S., Tesfamichael Gebreyohannes, Tigist Araya, Kassa Teka, Van de Wauw, J., Degeyndt, K., Descheemaeker, K., Kassa Amare, Mitiku Haile, Amanuel Zenebe, Munro, N., Walraevens, K., Kindoya Gebrehiwot, Poesen, J., Frankl, A. Alemtsehay Tsegay, Deckers, J., 2019. Understanding spatial patterns of soils for sustainable agriculture in northern Ethiopia's tropical mountains. PLoS ONE 14(10):42 pp. e0224041. <https://doi.org/10.1371/journal.pone.0224041>

903. Ayele Almaw Fenta, Atsushi Tsunekawa, Nigussie Haregeweyn, Jean Poesen, Mitsuru Tsubo, Pasquale Borrelli, Panos Panagos, Matthias Vanmaercke, Jente Broeckx, Hiroshi Yasuda, Takayuki Kawai, Yasunori Kurosaki 2020. Land susceptibility to water and wind erosion risks in the East Africa region. Science of the Total Environment 703 (2020) 135016: 1-19. <https://doi.org/10.1016/j.scitotenv.2019.135016>

904. Broeckx, J., Rossi, M., Lijnen, K., Campforts, B., Poesen, J., Vanmaercke, M. 2020. Landslide mobilization rates: A global analysis and model. Earth-Science Reviews 201 (2020) 102972, 14 p., Suppl. Data: 4p + map. <https://doi.org/10.1016/j.earscirev.2019.102972>

905. Panagos, P., Ballabio, C., Poesen, J., Lugato, E., Scarpa, S., Montanarella, L., Borrelli, P. 2020. A Soil Erosion Indicator for Supporting Agricultural, Environmental and Climate Policies in the European Union. *Remote Sensing*, 2020, 12, 1365: 1-21. <https://www.mdpi.com/2072-4292/12/9/1365>  
doi:10.3390/rs12091365
906. Hailemariam Meaza, Belete Fentaye, Tesfaalem Ghebreyohannes Asfaha, Jean Poesen, Amaury Frankl, Biadgilgn Demissie, Amanuel Zenebe, Veerle Van Eetvelde, Zbelo Tesfamariam, Jozef Deckers & Jan Nyssen. 2020. Spatial distribution and livelihood effects of debris cones at the western Afar Rift Valley margin, northern Ethiopia. *Norsk Geografisk Tidsskrift - Norwegian Journal of Geography*, 74:2, 88-104, DOI: 10.1080/00291951.2020.1767684
907. Bartley, R., Poesen, J., Wilkinson, S., Vanmaercke, M. 2020. A review of the magnitude and response times for sediment yield reductions following the rehabilitation of gullied landscapes *Earth Surface Processes and Landforms*: 24:3250-3279 . DOI: 10.1002/esp.4963.
908. Zgłobicki, W., Poesen, J., Joshi, V., Sóle-Benet, A., De Geeter, S. 2021. Gullies and Badlands as Geoheritage Sites. In Singh, R. B., Wei, D., Anand, S. (Eds.). *Global Geographical Heritage, Geoparks and Geotourism. Geoconservation and Development. Advances in Geographical and Environmental Sciences*. Springer. Chapter 9:147-172. ISBN 978-981-15-4956-4
909. Schwarz, M., Poesen, J., Rey, F., Hölbling, D., Phillips, C. 2020. Bio-physical performance of erosion and sediment control/mitigation techniques – an international comparison to common practices in New Zealand. *Manaaki Whenua – Landcare Research*, Lincoln, Christchurch, Report LC3891: 58 pp.
910. Vanmaercke, M., Chen, Y., Haregeweyn, N., De Geeter, S., Campforts, B., Heyndrickx, W., Tsunekawa, A., Poesen, J. 2020. Predicting gully densities at sub-continental scales:a case study for the Horn of Africa. *Earth Surface Proceses and Landforms* 45, 3763–3779 (2020) DOI: 10.1002/esp.4999
911. Frankl, A., Nyssen, J., Vanmaercke, M., Poesen, J. 2021. Gully prevention and control: Techniques, failures and effectiveness. *Earth Surf. Process. Landforms* 46, 220–238 (2021). DOI: 10.1002/esp.5033
912. Felsberg, A., De Lannoy, G., Girotto, M., Poesen, J., Reichle, R., Stanley, T. 2021. Global soil water estimates as landslide predictor: the effectiveness of SMOS, SMAP and GRACE observations, land surface simulations and data assimilation. *Journal of Hydrometeorology*, 22: 1066-1084.  
DOI: 10.1175/JHM-D-20-0228.1
913. Tessema, G.A.; Poesen, J.; Verstraeten, G.; Van Rompaey, A.; van der Borg, J. 2021. The Scenic Beauty of Geosites and Its Relation to Their Scientific Value and Geoscience Knowledge of Tourists: A Case Study from Southeastern Spain. *Land* 2021, 10, 460: 27 pp.; Supplementary Material: 39 pp.  
<https://doi.org/10.3390/land10050460>:
914. Samuel Tumwesigye, Matthias Vanmaercke, Lisa-Marie Hemerijckx, Alfonse Opio, Jean Poesen, Ronald Twongyirwe & Anton Van Rompaey. 2021. Spatial patterns of urbanisation in Sub-Saharan Africa: A case study of Uganda. *Development Southern Africa*, DOI: 10.1080/0376835X.2021.1932426  
To link to this article: <https://doi.org/10.1080/0376835X.2021.1932426>

## IN PRESS / ONLINE

Habtamu Assaye, Nyssen, J., Poesen, J., Lemma, H., Derege Tsegaye Meshesha, Alemayehu Wassie, Enyew Adgo, Frankl, A. 2021. Curve number calibration for measuring impacts of land management in sub-humid Ethiopia. *Journal of Hydrology: Regional Studies* 35 (2021) 100819. <https://doi.org/10.1016/j.ejrh.2021.100819>

Matthias Vanmaercke, Panos Panagos, Tom Vanwalleghem, Antonio Hayas, Saskia Foerster, Pasquale Borrelli, Mauro Rossi, Dino Torri, Javier Casali, Lorenzo Borselli, Olga Vigiak, Michael Maerker, Nigussie Haregeweyn, Sofie De Geeter, Wojciech Zglobicki, Charles Bielders, Artemi Cerdà, Christian Conoscenti, Tomas de Figueiredo, Bob Evans, Valentin Golosov, Ion Ionita, Christos Karydas, Adam Kertesz, Josef Krasa, Caroline Le Bouteiller, Maria Radoane, Ratko Ristic, Svetla Rousseva ad, Milos Stankoviansky, Jannes Stolte, Christian Stolz, Rebecca Bartley, Scott Wilkinson, Ben Jarihani, Jean Poesen 2021. Measuring, modelling and managing gully erosion at large scales: A state of the art. *Earth-Science Reviews* 218 (2021) 103637; 34 pp.

<https://doi.org/10.1016/j.earscirev.2021.103637>

Getaneh Addis Tessema, van der Borg, J., Amare Sewnet Minale, Van Rompaey, A., Enyew Adgo, Nyssen, J., Kerebih Asrese, Van Passel, S., Poesen, J. 2021. Inventory and Assessment of Geosites for Geotourism Development in the Eastern and Southeastern Lake Tana Region, Ethiopia. *Geoheritage* (2021) 13:43, 23 pp., Suppl. Mat.: 15 pp. <https://doi.org/10.1007/s12371-021-00560-0>

De Figueiredo, T., Poesen, J., Fonseca, F., Hernández, Z. 2020. Long term erosion rates in Douro vineyards, Portugal: effects of rainfall characteristics and plant density. In António Vieira and António Bento-Gonçalves (Editors). *Soil Conservation: Strategies, Management and Challenges*. Nova Science Publishers, Book chapter: 33 pp.

Koen van Keer: Book Chapter CABI

EDITED BOOKS, EXCURSION GUIDES, SPECIAL ISSUES OF INTERNATIONAL JOURNALS OR SPECIAL PUBLICATIONS.

1. Proceedings of the Fourth Benelux Colloquium on Geomorphological Processes, published in Soil Technology (Vol. 1/4, 1988), Catena (Vol. 16/4-5, 1989) and Earth Surface Processes (Vol. 14 Nos 6 and 7, 1989) (edited with Dr. F. Kwaad, University of Amsterdam).
2. Poesen, J.W. and Nearing, M.A., 1993. Soil Surface Sealing and Crusting. Catena Supplement 24, 139 pp.
3. Poesen, J.W. and Lavee, H. 1994. Rock Fragments in Soil: Surface Dynamics. Catena 23, Nos. 1-2, 198 pp.
4. Poesen, J.W., Govers, G. and Goossens, D. 1995. Experimental Geomorphology and Landscape Ecosystems Changes. Proceedings Memorial Symposium Prof. Jan De Ploey. Catena 25, Nos. 1-4, 418 pp.
5. Valentin, C. and Poesen, J. 1999. The significance of Soil, Water and Landscape Processes in Banded Vegetation Patterning. Catena 37, Nos. 1-2, 273 pp.
6. Torri, D., Poesen, J., Calzolari, C. and Rodolfi, G. 2000. Badlands in Changing Environments. Catena 40(2), 250 pp.
7. Govers, G., Van Meirvenne, M., Poesen, J., Gabriels, D., Rozanov, A., Laker, M.C. and Van Oost, K. 2002. Cartographic Modeling of Land Degradation. Proceedings of a workshop held in Ghent (September 2001) in the framework of the Bilateral Co-operation between Flanders and South-Africa. (Ministry of the Flemish Community (Belgium) and Foundation for Research Development (South Africa). K.U.Leuven: 111 pp.
8. Auzet, A.V., Poesen, J. and Valentin, C. 2002. Soil patterns as a Key Controlling Factor of Water Erosion. Catena 46(2-3):85-220.
9. Poesen, J. and Valentin, C. 2003. Gully Erosion and Global Change. Catena 50(2-4):87-562.
10. Li, Y., Poesen, J. and Valentin, C. 2004. Gully Erosion under Global Change. Sichuan Science and Technology Press, Chengdu, China, ISBN 7 – 5364 – 5423 – 6: 354 pp.
11. Auzet, V., Poesen, J. and Valentin, C. 2004. Soil Surface Characteristics: Dynamics and Impact on Soil Erosion. Earth Surface Processes and Landforms. 29, 9: 1063 – 1169.
12. Mathys, N. and Poesen, J. 2005. Ravinement en montagne: processus, mesures, modélisation, régionalisation. Géomorphologie: Reliéf, Processus, Environnement, Janvier-Mars 2005-1: 1-74 pp., ISSN: 1266-5304.
13. Valentin, C., Poesen, J. and Li, Y. 2005. Gully Erosion: A Global Issue, Catena 63 (2-3):129-330.
14. Poesen, J., Deckers, J., Mitiku Haile, Nyssen, J. and Bruneel S. 2006. Environmental Change, Geomorphic Processes, Land Degradation and Rehabilitation in Tropical and Subtropical Highlands. Book of abstracts, Highland 2006, Mekelle University, 19-25 september 2006: 104 pp.
15. Nyssen, J., Poesen, J., Nurhusen taha, Deckers, J. 2006. Environmental Change, Geomorphic Processes, Land Degradation and Rehabilitation in Tropical and Subtropical Highlands. Excursion guide Highland 2006, Mekelle University, 19-25 september 2006: 280 pp.
16. Boardman, J. and Poesen, J. 2006. Soil Erosion in Europe. Wiley, Chichester, UK, ISBN 0-470-85910-5, 855 p.
17. Garcia-Ruiz, J.M. and Poesen, J. 2007. Soil erosion and sediment transport under different land use/land cover scenarios. Catena 71 (1): 1-190.

18. Cerdà, A., Imeson, A. and Poesen, J. 2007. Soil Water Erosion in Rural Areas. *Catena* 71 (2):191-370.
19. Langohr, R. and Poesen, J. 2007. Soil Evolution in and on Tertiary Sediments in north-West Belgium. A Record of past environmental evolution and impact on present-day processes. *Soil Science Society of Belgium Annual Excursion 2007, Pedologie-Themata N°15:* 167 pp.
20. Nyssen, J., Munro, N., Mitiku Haile, Poesen, J., Descheemaeker, K., Nigussie Haregeweyn, Moeyersons, J., Govers, G. and Deckers, J. 2007. Understanding the environmental changes in Tigray: a photographic record over 30 years. *Tigray Livelihood paper No. 3, VLIR-Mekelle University IUC Programme and Zala Daget Project,* 82 p. ISBN 978-90-8826-016-2.
21. Tsehay Asmelash, Tadesse Dejenie, Declerck, S., Nyssen, J., Van der Gucht, K., Risch, S., Rousseaux, S., De Wit, J., Afework Mulugetta, Nigussie Haregeweyn, Abreha Gebrekidan, Poesen, J., Deckers, J., Vyverman, W. & De Meester, L. 2007. Ecological Atlas of reservoirs in Tigray, Northern Ethiopia. *Tigray Livelihood Paper No. 4., VLIR-Mekelle University IUC Programme and Zala Daget Project, Mekelle University, Mekelle, Ethiopia,* 80 p ISBN 978-90-8826-020-9.
22. Nyssen, J., Descheemaeker, K., Haregeweyn, N., Mitiku Haile, Deckers, J., Poesen, J. (Eds.) 2007. Extension Manual. Results of 10 years research on soil erosion and soil and water conservation in Tigray (in Tigrinya). *Tigray Livelihood Papers No 6., Mekelle: Zala Daget Project, Mekelle University, K.U.Leuven, Relief Society of Tigray, Africamuseum and Tigray Bureau of Agriculture and Rural Development,* 64 p. ISBN 978-90-8826-026-1.
23. Nyssen, J., Descheemaeker, K., Haregeweyn, N., Mitiku Haile, Deckers, J., Poesen, J. (Eds.) 2007. Lessons learnt from 10 years research on soil erosion and soil and water conservation in Tigray (In English). *Tigray Livelihood Papers No 7., Mekelle: Zala Daget Project, Mekelle University, K.U.Leuven, Relief Society of Tigray, Africamuseum and Tigray Bureau of Agriculture and Rural Development,* 53 p. ISBN 978-90-8826-027-8.
24. Reubens, B., Nyssen, J., Poesen, J., Hagos Woldekidan, Amanuel Zenebe, Gebreyohannes Girmay, J. Deckers, Nurhussen Taha, Sarah Tewoldeberhan, Kindoya Gebrehiwot, H. Bauer, Mitiku Haile & B. Muys. 2008. Establishment and management of woody vegetation to control gully erosion. *Tigray Livelihood Papers No 8., Mekelle, VLIR-Mekelle University IUC Programme* 35 p. ISBN 978-90-8826-072-8.
25. Reubens, B., Nyssen, J., Poesen, J., Hagos Woldekidan, Amanuel Zenebe, Gebreyohannes Girmay, J. Deckers, Nurhussen Taha, Sarah Tewoldeberhan, Kindoya Gebrehiwot, H. Bauer, Mitiku Haile & B. Muys. 2008. Establishment and management of woody vegetation to control gully erosion. IN TIGRINYA. *Tigray Livelihood Papers No 11., Mekelle, VLIR-Mekelle University IUC Programme* 36 p. ISBN 978-90-8826-139-8.
26. Nyssen, J., Poesen, J., Haregeweyn, N. and Parsons, T. 2008. Environmental change, geomorphic processes and land degradation in tropical highlands. *Catena Special Issue, Proc. international symposium 'HighLand 2006', Mekelle (Ethiopia), 21 to 25 September 2006, Catena 75(1):1-127.*
27. Nyssen, J., Poesen, J. and Deckers, J. 2009. Land Degradation and Soil and Water Conservation in Tropical Highlands. *Proc. International Symposium 'HighLand 2006', Mekelle (Ethiopia), 21 to 25 September 2006, Soil and Tillage Research Special Issue, Vol. 103 (2):197-264.*
28. Kimaro, D.N., Terengia, S., Kihupi, N.I., Mtakwa, P., Poesen, J. and Deckers, J. 2011. Conservation Agriculture in the Highlands of Tanzania under a Coffee-Banana-Agroforestry Farming System. Training Manual for Small Scale Farmers. VLIR-UOS North South South Cooperation Programme, Conservation Agriculture for a Restored Environment (NSSCP-CARE) Project, Sokoine University of Agriculture, Department of Agricultural Engineering and Land Planning, Tanzania, 33 pp. ISBN:9987-9025-9-6.
29. Kimaro, D.N., Terengia, S., Kihupi, N.I., Mtakwa, P., Poesen, J. and Deckers, J. 2011. Kilimo Hifadhi kwa Mfumo wa Kilimo Mseto cha Mibuni, Migomba na Miti Kwenye Maeneo ya Milimani, Tanzania (Swahili)( Conservation Agriculture in the Highlands of Tanzania under a Coffee-Banana-Agroforestry Farming System). Training Manual for Small Scale Farmers. VLIR-UOS North South South Cooperation Programme, Conservation Agriculture for a Restored Environment (NSSCP-CARE) Project, Sokoine University of

Agriculture, Department of Agricultural Engineering and Land Planning, Tanzania, 38 pp. ISBN:9987-9025-9-6.

30. Poesen J. 2011. The Use of Biological Geotextiles. Special Issue of Land Degradation and Development, 22 (5):453-504.

31. Dessein, S., Poesen, J., Vanhove, M., Vanderhallen, D. 2013. Alumnireis Ethiopië, 2-14 april 2013. A geotouristic exploration of North Ethiopia. Science@Leuven, Faculty of Sciences, KU Leuven, 232 pp.

32. Meylemans E., Poesen J. & In 't Ven I., 2014. The Archaeology of Erosion, the Erosion of Archaeology. Proceedings of the Brussels Conference, April 28-30 2008, Relicta Monografieën 9, Brussel, ISSN 2030-9910, ISBN 978 90 7523 039 0, 190 pp.

[http://oar.onroerenderfgoed.be/publicaties/RELM/9/RELM009-001.pdf \( 13.25MB \).](http://oar.onroerenderfgoed.be/publicaties/RELM/9/RELM009-001.pdf)

33. e-excursion geomorphological processes in the Flemish Ardennes, KU Leuven

**Excusie Vlaamse Ardennen, Geografie KU Leuven, Zie Toledo: kmz-bestand voor e-excursie**

Deze e-excursie is ontwikkeld in het kader van het project "e-learning in een ruimtelijke context" aan de KU Leuven. De inhoud van de e-excursie is gebaseerd op de traditionele excursie naar de Vlaamse Ardennen, die georganiseerd wordt binnen het opleidingsonderdeel "Geomorfologische Processen". Meer informatie is terug te vinden in de excursiebundel uitgegeven door de Scientica Cursusdienst (Poesen, J. (2014) Geomorfologische processen Vlaamse Ardennen (Excursiegids), KU Leuven, Scientica Cursusdienst). *Mogen we u erop wijzen dat deze materialen auteursrechtelijk beschermd zijn, en dat ze enkel gebruikt mogen worden mits toestemming van de auteurs. Er kan gerefereerd worden naar dit materiaal door te verwijzen naar Martens, L, Steegen A., Verstraeten, G., Poesen, J.(2014) E-excuse naar de Vlaamse Ardennen, KU Leuven.*

34. Nyssen, J., Frankl, A., Zenebe, A., Poesen, J., Deckers, J. 2015. Environmental conservation for food production and sustainable livelihood in tropical Africa. Land Degradation & Development Vol 26 (7), October 2015: 629-784.