



Teacher	Prof. Dr. Endla Reintam
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Lectures	Soil degradation
Key words	Erosion, compaction, loss of organic matter, floods, landslides, salinization, pollution, sealing
Learning objectives	To study different ways of soil degradation and their prevention or improvement mechanisms.
Main subjects	Soil degradation; earth soil resources; main threats to the soil: erosion, decline in organic matter, soil contamination, soil sealing, soil compaction, salinization, floods and landslides, desertification, reacidification; main causes, consequences, prevention and rehabilitation of different soil threats.
Relevance to EduSaPMan	As the soil is one of the major topics of the Summer School, it is important to study also the main threats and consequences besides the sustainable use of soils.
Recommended literature	Soil resources of Europe. 2nd edition. RJA Jones, B Houšková, P Bullock, L Montanarella (eds). European Soil Bureau Research Report No. 9, EUR 20559 EN, 2005, 422pp. Office for Official Publications of the European Communities, Luxembourg. GM Pierzynski, JT Sims, GF Vance. Soils and environmental quality. 2nd edition. CRC Press, 2000, 460 pp. Driver-Pressure-State-Impact-Response (DPSIR) Analysis and Risk Assessment for Soil Compaction - A European Perspective. P Schjønning, JJH van den Akker, T Keller, MH Greve, M Lamandé, A Simojoki, M Stettler, J Arvidsson and H Breuning-Madsen. Advances in Agronomy, Volume 133, 2015, Pages 183–237. FAO SOILS PORTAL http://www.fao.org/soils-portal/soil-degradation-restoration/en/