



1. Title

Soil Erosion and Degradation on Agriculture Land

2. Type

Commission Symposium: Comm. 3.2-Soil and Water Conservation

3. Organizer(s) & Convener

Dr. Erik. L.H. Cammerla at, Netherlands

Associate Professor Earth Surface Science, Institute for Biodiversity and Ecosystem Dynamics, Faculty of Science, University of Amsterdam, 1098 XH Amsterdam, the Netherlands

Tel: +31 20 5255890

E-mail: L.H.Cammeraat@uva.nl

Prof. Dr. Bernd Lennartz

Professor for Resources Conservation and Soil Physics, Faculty for Agricultural and Environmental Sciences Rostock University, 18051 Rostock, Germany

Tel: +49 (0) 381 498 3180

Fax: +49 (0) 381 498 3122

* Convener

Professor Artemi Cerdà

Departament de Geografia. Universitat de València. Blasco Ibàñez, 28, 46010-Valencia. Spain

E-mail: artemio.cerda@uv.es

4. Rationale

Agriculture lands are worldwide affected by non-sustainable soil and water losses. Intensive ploughing, excessive use of herbicides, heavy machinery, climate change, soil organic matter exhaustion and salinization induce the degradation of agriculture land, and result in high erosion rates, the loss of soil quality and services, and have an impact on a global scale. Agricultural soils are the most fundamental resource we have, as (i) adequate food supply, (ii) water and soil resources, (ii) carbon sequestration, (iv) natural vegetation and fauna depend on productive land. Soil erosion by wind, tillage and water are threatening the agricultural soils.

5. Objectives

The special session on Soil Erosion and Degradation on Agriculture Land will discuss topics on soil degradation, past and present erosion processes, experimental and laboratory studies, processes and factors, field measurement and quantification, modeling and mapping erosion risk assessment, prediction and soil conservation policies of agricultural land. Papers on soil erosion and soil degradation processes and rates on agricultural land are welcome.

6. Description

