

wageningen soil conference

MASTERCLASS

M32: Mitigating Soil Erosion: Effective Strategies and Sustainable Solutions

Name main contact: Karrar Mahdi

Institution: WUR

Names of Co-organisers: Jantiene Baartman and Michel Riksen

Short description:

Soil erosion is a growing global problem that deteriorates our soil environment. Erosion causes local problems like loss of fertile soil, loss of land due to gully erosion, damage to crops, damage to roads etc. In arid and semi-arid regions erosion also causes problems with water availability for agricultural and domestic purposes. In this masterclass, we offer a Land Engineering Management training that focusses on prevention and/or minimization of the risk or damage caused by (human induced) water and wind erosion, and mass movements, and on the availability of water for crop production and domestic use. Hence, we will mainly focus on the design of mechanical soil and water conservation methods like terracing, check dams, storm ditches, grassed waterways and rain water harvesting structures. Also, during this masterclass, You are also invited to contribute your own case studies to this masterclass, so that we can work with you to apply the knowledge to design Soil & Water Conservation measures for a case study from your region.



Theme: Soils for nature-based solutions

Keywords: Erosion, Land engineering, soil conservation

Type of masterclass: Discussion

Maximum number of participants: 20