

wageningen soil conference

MASTERCLASS

M21: Tropical soils and food security in times of extreme weather events

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Short description:

Soil is the basis for food production, which places this natural resource in a relevant position when we talk about food security. However, the numbers related to soil degradation are alarming; add to this context the projections of the increase in the demand for food and the impacts generated by climate change. Future projections indicate that the tropics will have a reduction in rainfall and an increase in temperature (from 1°C to 2°C), which will result in the shrinking of arable land and reduced productivity of several crops, thus compromising food security. This masterclass seeks to discuss the main threats regarding soil and how it affects the dimensions of food security and presents feasible solutions based on NbS (Nature based Solutions) for reconciling food production, maintenance of the soil's multiple ecosystem functions and the consequent increase in the resilience of tropical agricultural systems.



Theme: Soils for nature-based solutions

Keywords: food security; extreme weather events; nature based solutions

Type of masterclass: Discussion

Maximum number of participants: 20