

Water management for food production in an era of changing development agendas

Conveners:

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The notion of development and its political framing, is proposed to be changing in an era of 'Anthropocene', where globalization of social issues such as migration, connectivity and common agreement on e.g. trade and development, dominate development agendas. However, the fundamentals of human well-being continues to be directly connected with the issues of local climate resilient and sustainable food production systems for more than 2 billion people, supported by 500 million smallholder farmers produce in particularly In Asia and Sub-Sahara Africa. In these regions, current and future climate impacts on essential food supply chains are threatened due to variable, and sometimes decrease, in accessibility of water, and continuous land degradation. New approaches to climate-proofing smallholder production systems in sustainable ways are urgently needed to ensure food security and SDG targets being reached.

In this session, we welcome presentations around the scaling of water and land management in farming landscapes can support accelerated sustainable and viable well-being and development. In particular, the evidence-based cases of how technology and-or social innovations around agricultural water management by farmers, extension(NGOs) and-or researchers, improve the benefits of yield , food supply , diet nutrition and water productivity in highly water – restricted environments, are of interest.