MACSUR Science CONFERENCE 2017: May 22-24, Berlin

Climate change, the increasing world population and the growing concerns about natural resource exploitation and environmental protection are causing agricultural systems unprecedented challenges. Agricultural practices will shape, perhaps irreversibly, the surface of the Earth, including its flora and fauna, its biogeochemistry and ecosystem services. Though the most obvious answer to these challenges is to increase the efficiency of agricultural production, there is little consensus on how this can be achieved by sustainable means. The MACSUR community is dedicated to meet these challenges by developing, using and promoting the use of sophisticated modelling tools and methodologies for assisting the understanding of resource use in the food production sector in Europe under conditions of changes in climate and markets in the future.

The second phase of FACCE MACSUR (June 2015 - May 2017) emphasized cross-disciplinary lining and integration. The conference will be a summit of the international community of agricultural (crop, livestock and trade) modellers as well as of stakeholders from any segments of agriculture. The conference has three main objectives:

1. Provide an overview on recent activities and achievements in crop, livestock, trade and integrated modelling and cross-cutting activities.
2. Provide a forum for exchanging experience, sharing solutions and developing new collaborations with and among MACSUR partners.
3. Shape the future of the MACSUR community, setting out the directions.

Call for Presentations
We welcome presentations from all areas of modelling of agriculture and food security under climate change. Submissions from outside MACSUR are welcome. Please send your abstracts by 15 January 2017 using this template to macsur2017@leeds.ac.uk.

Topics
- Improvements in modelling processes, interactions, and feedbacks
- Advances in linking models in order to address impacts across scales or sectors
- Addressing uncertainty and risk in climate change impact studies
- Climate change adaptation and mitigation at the farm scale
- Climate-related changes in environment, pests and diseases on agricultural production
- Projecting climate change impacts on agriculture in European regions
- Projecting risks and opportunities for farming and food production in regional case studies
- Novel impacts from climate change, new approaches for adaptation and mitigation
- Climate change - implications for strategies in policy and farming

Further details ⇦ http://macsur.eu/macsur2017