



FACCE MACSUR Hub NEWSLETTER

20 June 2013

MACSUR What's new?

Hub, Theme, Work package and Task leaders should submit their deliverable reports to the web site repository and enter performance indicators for the annual report by 2013-06-30.

Link to detailed instructions:

https://docs.google.com/document/d/19BuazO7rtjTjm1UQOwMJ22CjbSNFJbn6_VkwjAB6iFQ/edit?usp=sharing

[The Report of the Workshop on Regional Pilot Studies has been released. Please read.](#) A short summary is also available on the web site. In order to increase clarity the following terms will be used in the future in FACCE MACSUR.

Regional Pilot Studies are impact studies involving all three Themes (TradeM, CropM and LiveM) that participate in RAP development and use agreed SSP/RCP combinations.

[Theme-]specific studies: all studies (areas scaling from farms up to the world) covered by models from [Theme] partners.

cross-Theme studies are a subset of Theme-specific studies that are analysed by two or more Themes with the aim of performing integrated assessments. Regional Pilot Studies are a subset of cross-Theme studies.

1. Work packages (WP)

Work Packages	Information/Event	Contact for further details on the information
WP1	<ul style="list-style-type: none"> H1.1 Software for data input-output reformatting among models within MACSUR is under development 	j.s.jorgenson@reading.ac.uk
WP2	<ul style="list-style-type: none"> H2.2 Workshop on Regional Pilot Studies took place 5-7 June 2013 in Braunschweig with 32 members attending in person and 7 via videostream. The outcome of the meeting is documented in a separate report. Presentations of the meeting are available on the MACSUR web site. H2.3 Regional meetings with stakeholders are planned for October 2013 in relation with Regional Pilot Studies 	martin.koechy@ti.bund.de
WP3	<ul style="list-style-type: none"> H3 MACSUR leaders will meet with AgMIP leaders at the Project Steering Committee meeting 17/18 September in Reading. 	martin.koechy@ti.bund.de

	<ul style="list-style-type: none"> ● H3 Jason Jorgensen and Frank Ewert attended the CIMSANS Meeting in Dublin. The Center for Integrated Modeling of Sustainable Agriculture and Nutrition Security (CIMSANS) is a public-private partnership associated with ILRI. ● H3.3 The Project Steering Committee met on 19 April and 5 June. Minutes of the meetings are available in the file repository. ● H3.5 Templates and instructions for the annual report to the FACCE JPI Knowledge Hub Evaluation Committee have been developed. 	
--	--	--

2. Outputs (papers, deliverables, submitted abstracts, etc.)

- a. Köchy, M., M. Banse (2013) Food security – is climate important at all? Paper presented at the Impacts World 2013, International Conference on Climate Change Effects, Potsdam, May 27-30.
- b. Banse M., Köchy M., Tiffin R., 2013. MACSUR - A European network of crop, livestock and trade modelling activities for assessing impacts of climate change on food security. United Nations Convention to Combat Desertification 2nd Scientific Conference, 9-12 April 2013, Bonn.

3. Organizational issues

- a. Hub: The **Consortium Agreement** has been signed by all but two partners. National Institute of Public Health - National Institute of Hygiene (Partner 98) and Institute of Logistics & Warehousing (Partner 96) did not sign the Agreement and are no longer endorsed by their National Contact Point. Thus they have not become members of FACCE MACSUR. The Consortium Agreement is available for download from the MACSUR web site ([Downloads](#)).
MACSUR has now 66 partners with 243 members. Three institutions have applied for MACSUR membership (International Institute for Applied System Analysis - IIASA, Centre for Ecology and Hydrology, Walloon Agricultural Research Centre). The Hungarian Academy of Sciences will submit an application later.
- b. LiveM: **Jac Meijs** is retiring from his job at WUR and therefore also as co-leader of the LiveM Theme. He will be succeeded by colleague **Dr Agnes van den Pol**. Agnes is a livestock expert in grass and forage systems, greenhouse gas emissions and sustainable production systems, mitigation of greenhouse gas emissions; greenhouse gas emissions from grasslands, and work package leader EU-funded projects Animal Change and Multisward.
Richard Kipling joined Nigel Scollan's team in May and he will be working on LiveM co-ordination as well as some of the Tasks associated with Aberystwyth. - Welcome Richard.
- c. CropM: **Frank Ewert** and **Reimund Rötter** have swapped their roles as main and co-Theme leader for the second year of MACSUR.

4. Other events

- a. [World Impacts Climate 2013, Potsdam](#). This conference (with side events of AgMIP and ISI-MIP) was attended by members from Hub, CropM, and TradeM. Many interesting and excellent papers have been presented at the conference. The papers

address issues of scaling, cross-sectoral integration, crop modelling, uncertainty integration, communication with stakeholders that we also deal with in MACSUR and can be used to build on. The proceedings are [available online](#). Quite a number of papers are (co-)authored by MACSUR scientists. Prof. Schellnhuber summarized the important issues and research gaps that emerged from the conference:

- i. impact size of CO₂ fertilization
- ii. agricultural and forest pest outbreaks
- iii. ocean acidification
- iv. tourism, fisheries, social vulnerability
- v. the emissions come from the top of the society, the bottom of the society is the most vulnerable
- vi. adaptation to teleconnections
- vii. use of damage functions, benefit functions, impact functions for quick assessments – but not too simplistic
- viii. regional capacity building

5. New Projects with significant contributions by MACSUR members

- a. IC-FAR: Linking Long Term Observatories with Crop Systems Modeling For a better understanding of Climate Change Impact, and Adaptation Strategies for Italian Cropping Systems (2013-2016).

Contact: Pier Paolo Roggero <pproggero@uniss.it>

- b. NORFASYS: Integrated modelling of Nordic farming systems for sustainable intensification under climate change (2013-2017).

Contact: Reimund Rötter <reimund.rotter@mtt.fi>

- c. Ag-Grids: The [AgMIP-AgGrids Initiative](#) enters its second 3-yr phase ('GGCMI2').

stage 1: historical simulation, model evaluation, results in by Oct 2013

stage 2: analysis of CTWN sensitivity, by 2014-Q4 or 2015-Q1

stage 3: coordinated inter-sectoral assessment with ISI-MIP (2015-Q4)

- d. ISI-MIP: [The Intersectoral Impact Model Intercomparison Project](#) also enters its second phase with the inclusion of more sectors (fish, ocean) and validation runs. Results are expected to be ready by mid 2015 for COP21

For more projects related to FACCE MACSUR see

<http://macsur.eu/index.php/links>

6. Announcement

TradeM workshop - November 18-20 in Müncheberg, Germany

TradeM is planning for the next workshop to discuss the Regional Pilot Studies for modelling adaptation measures to reinforce food production under climate change. The workshop will be held in Müncheberg at Leibniz Centre for

Agricultural Landscape Research (ZALF). We target mainly for participation from TradeM plus people from CropM and LiveM who do or intend to contribute to the regional pilots.

The workshop will update you on the Regional Pilot Studies and the scientific progress achieved in TradeM. During the workshop, we will further explore approaches adopted, progress and expected tangible outputs in each of the Regional Pilots. Plans for the coming year will be made. We will also focus on the planning of papers, including tentative journal, guest editors, themes; paper contributions, timeline, organisation of the review process.

The workshop will be on November 18-20, including a visit to the city of Berlin on Monday afternoon (November 18). Travel to Müncheberg is scheduled for Tuesday morning and we will return to Berlin during the afternoon of November 20. Further details on the workshop will follow with the next TradeM newsletter, which is scheduled for September 1.

Information: Katharina Helming (E-mail: helming@zalf.de).