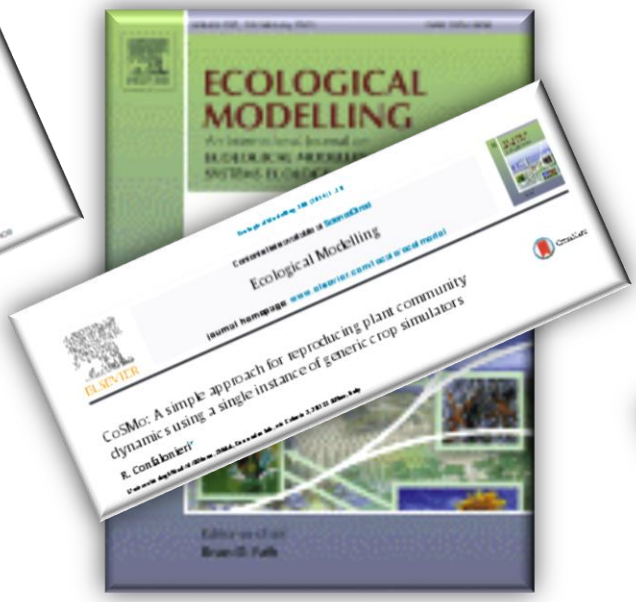
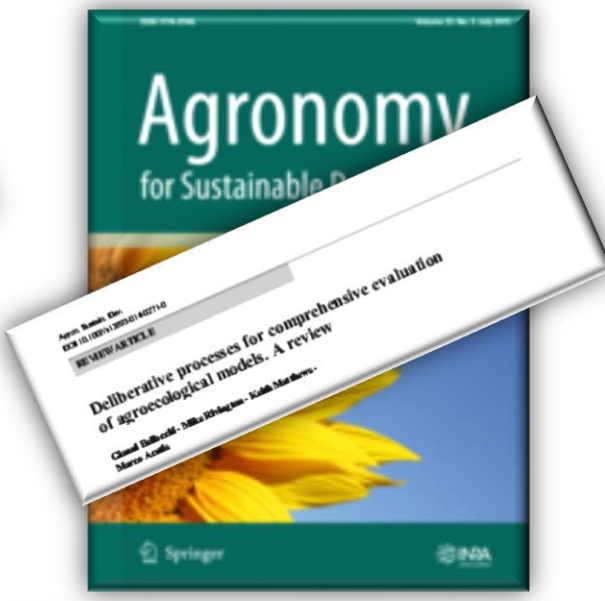
Publications





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agriculture facing extreme climatic events

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Achievements

I. Publications

Journal articles (peer-reviewed)

1. Tamara Ben-Ari, Juliette Adrian, Tommy Klein, Pierluigi Calanca, Marijn Van der Velde, David Makowski, 2016, **Identifying indicators for extreme wheat and maize yield losses**, Agricultural and Forest Meteorology 220, 130-140. doi:10.1016/j.agrformet.2016.01.009 (Science Brief)
2. Simone Bregaglio, Francesca Orlando, Emanuela Forni, Tommaso De Gregorio, Simone Falzoi, Chiara Boni, Michele Pisetta, Roberto Confalonieri, 2016, **Development and evaluation of new modelling solutions to simulate hazelnut (*Corylus avellana*(L.) growth and development**, Ecological Modelling 329, 86-89. doi:10.1016/j.ecolmodel.2016.03.006 (Science Brief)
3. Pierluigi Calanca, Claire Deléglise, Raphaël Martin, Pascal Carrère, Eric Mosimann, 2016, **Testing the ability of a simple grassland model to simulate the seasonal effects of drought on herbage growth**, Field Crops Research 187, 12-23. doi:10.1016/j.fcr.2015.12.008 (Science Brief)
4. Roberto Confalonieri, Simone Bregaglio, Myriam Adam, Françoise Ruget, T. Li, T. Hasegawa, X. Yin, Y. Zhu, K. Boote, S. Buis, T. Fumoto, D. Gaydon, T. Lafarge, M. Marcaida, H. Nakagawa, Alex C. Ruane, B. Singh, U. Singh, L. Tang, F. Tao, J. Fugice, H. Yoshida, Z. Zhang, L.T. Wilson, J. Baker, Y. Yang, Y. Masutomi, Dan...

SCIENCE BRIEFS

Statistical models for simulating extreme yield anomalies

Effective evaluation of agro-environmental simulations

A model for the dynamics of plant communities

Replacing (climate change threatened) maize systems with giant reed

Coordination of hydraulic controls in plants for predicting genetic variability

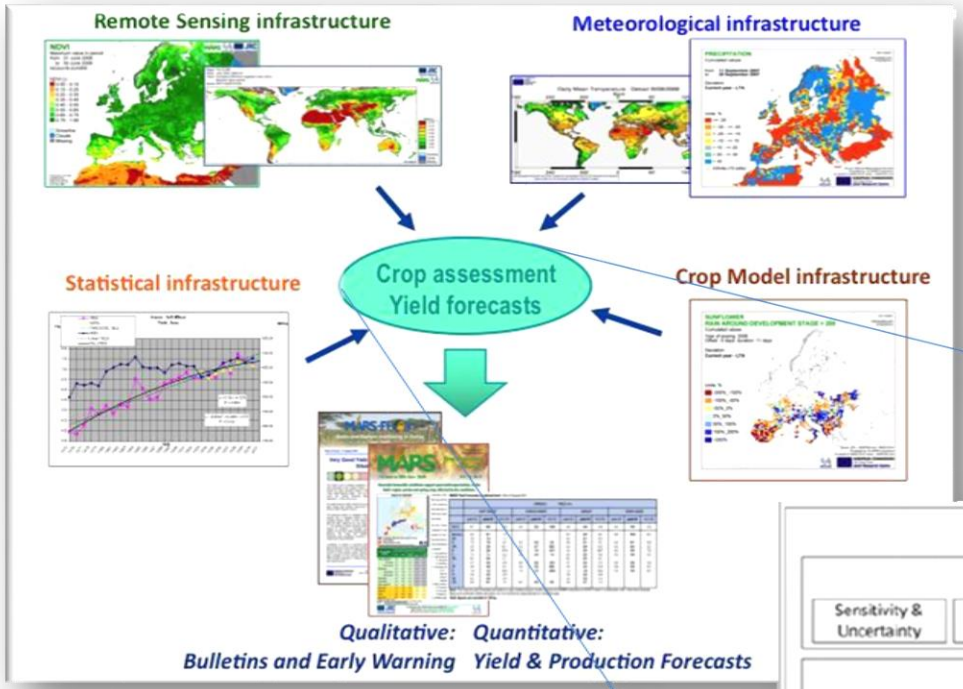
High-resolution, bias-corrected climate change projections

Seasonal effects of drought on herbage growth in Switzerland

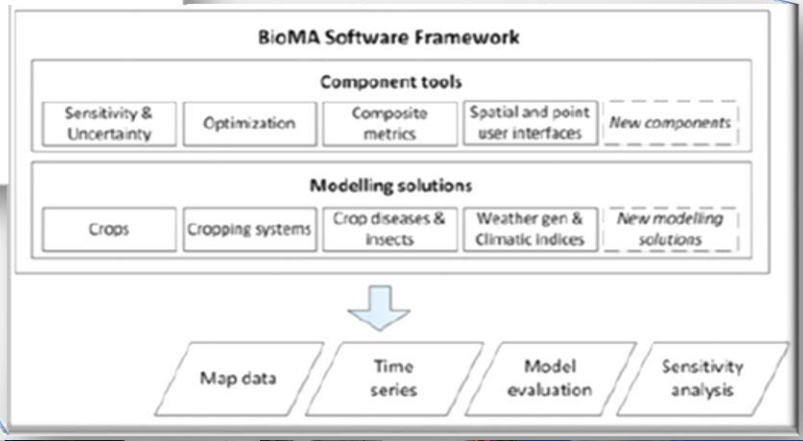
Bayesian calibration of a grassland model under water stress conditions

Improved rice ideotypes to resist/tolerate biotic and abiotic stressors

JRC-MARS agricultural yield forecasting



There is no doubt that research applications in crop/grassland/tree modelling will continue, but for such applications to sustain long-term interest policy applications need to be developed and applied



MODEXTREME
DG AGRI LUNCHTIME SESSION
September 20, 2016

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