

Ad hoc support : FSD

Farming ABSYS Design Symposium: Designing Climate Smart Agricultural ABSYSs for a Sustainable Transition in Farming ABSYS Design: The Agri-food ABSYSs of the Dry Areas

ABSTRACT

Dry regions are known to be the most impacted by the effects of climate change and socio-economic uncertainties. Various international initiatives have increasingly incited the governments of these countries (notably those of the Middle East and Africa) to innovate and develop adaptation strategies for their agri-food systems. This implies the improvement of farmland fertility and water productivity using agro-ecological practices, reducing CO2 emissions and sustainably protecting the means of subsistence of farm households. The protection of natural resources from the effects of climate change and of a rapidly growing population will also be key, notably water, soils and pollinators. This also implies strengthening the innovation systems in order to sustain a transition towards a climate smart and nutrition-sensitive agriculture. In the dry regions many trade-offs need to be documented and many synergies developed, provided an integrated (multi-scale, multi-criteria and multi-stakeholder) approach is implemented.

In this context the CIHEAM Montpellier, ICARDA and IRESA-Tunisia have combined their efforts, with the implication of UMR-System, UMR-Innovation and UMR-MOISA, to organize the 7th Farming System Design Symposium from March 22nd to 24th 2021 in Tunis.

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Flagship project : no

Project leader : Hatem Belhouchette

Project leader's institution : CIHEAM-IAMM

Project leader's RU : ABSYS

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