

INTERNATIONAL COURSE 2021 > PROGRAM



Course Program

ONLINE COURSE, 08-19 MARCH, 2021

Session 1

Conceptualization of an issue into an agricultural system (*Jacques Wery, ICARDA*)

Video 1: Agricultural systems analysis in 10 words (Video_1)

Video 2: Further keywords (Video_2)

Session 2

Presentation of the operational analysis framework (*Jacques Wery, ICARDA*)

Video 3: A protocol to conceptualize a problem into an agricultural system (Video_3)

FACE-TO-FACE COURSE, 22-25 MARCH, 2021

DAY 1: 22 MARCH 2021. 9:00AM - 4:00PM (TUNISIAN TIME)

FSD7 Webinar session (9:00AM-11:00AM)

Systemic transformation of agri-food systems to reach synergies between SDG1 (no poverty) and SDG2 (no hunger) under climate change, water scarcity and planetary boundaries: An insight on the opportunities and pathways for transformation and implementation (Webinar_1). Chaired by *J. Wery* (ICARDA, Egypt) and *R. Mohtar* (AUB, Lebanon)

Coffee Break (11.00 – 11.30)

Welcome speeches (11.30-11.45 AM.): ICARDA, CIMMYT, CIHEAM-IAMM

Session 2

The role of agricultural diversity in the performance of agricultural systems in dry areas: from the concept to the implementation of an operational analysis framework.

Session 2-1 (11:45 AM - 12:45 AM)

Conceptualization of an issue into and agricultural system (*Jacques Wery, ICARDA*)

Lunch (12:45 PM – 01:45 PM)

Session 2-2 (13:45 PM - 4:00 PM)

Do the agricultural systems that combine the most diverse components (diversity of farms in a region, of activities on a farm, and of crops and varieties in a field or crop sequence) support both the resilience of agricultural systems and water resource use efficiency? (*Hatem Belhouichette, CIHEAM-IAMM*)

DAY 2: 23 MARCH 2021. 9:00AM- 4:00PM (TUNISIAN TIME)

FSD7 Webinar session (9:00AM-11:00AM)

Designing climate smart and resilient cereal-livestock based farming systems for food and nutrition security in the drylands of Africa and Asia (Webinar_2).

Chaired by *Zvi Hochman* (CSIRO, Australia) and *Lamia Ghaoui* (IAV Hassan II, Morocco)

Coffee Break (11.00 AM– 11.30 AM)

Session 2

Expected effect of the diversification of cropping systems on the resilience of Ag. Systems in dry land area

Session 2-1 (11.30 AM- 12.45 PM)

Contextualization lecture: Expected effect of the diversification of cropping systems (*Vinay Nangia*, ICARDA)

Lunch (12:45 PM – 01:45 PM)

Session 2-2: (1:45 pm – 2:45 pm)

Community based watershed rehabilitation and sustainable management in Jordan's agro-pastures: water, agro-pastoral production and ecosystem tradeoffs (*Stefan Stroheim*, ICARDA)

Session 2-3: (2:45 PM – 4:00PM)

Design and analysis of sustainable farming systems at landscape scale (*Frédéric Baudron*, CIMMYT)

DAY 3: 24 MARCH 2021. 9:00AM- 4:45PM (TUNISIAN TIME)

FSD7 Webinar session: (9:00AM-11:00AM)

Multi-scale and multicriteria trade-off analysis in the SDG1-SDG2 nexus, to co-design sustainable and healthy agri-food systems and to inform policies (Webinar_3).

Chaired by *Hatem Belhouichette* (CIHEAM-IAMM, Montpellier) and *Pytrik Reidsma* (WUR, Nederland)

Coffee Break (11:00 AM– 11:30 AM)

Session 2

Water as a lever for farming system diversification and sustainable intensification

Session 2-1 (11:30 AM-12:45 AM)

Contextualization lecture: tradeoffs related to conservation agriculture and crop residues use in small crop-livestock production systems of Tunisia (*Aymen Frija*, ICARDA)

Lunch (12:45 PM – 01:45 PM)

Session 2-2: (1:45 PM – 2:45 PM)

Multi-criteria analysis of cereal based production systems (*Santiago Lopez Ridaura*, CIMMYT)

Session 2-3: (2:45 PM - 4:45 PM)

Adaptation and resilience of small farms' business models in the Mediterranean Region (*Paolo Prosperi*, CIHEAM-IAMM)

DAY 4- 25 MARCH 2021: 09:00 AM TO 3.45 PM (TUNISIAN HOUR)

FSD7 Webinar session: (09:00 AM-11:00 AM)

Accelerating and amplifying systemic transformation of agri-food systems with digitalization of research and advisory services to family farmers and decision makers (Webinar_4).

Chaired by *Anthony Whitbread* (ICRISAT, Zimbabwe), *Thouraya Souissi* (IRESA, Tunisia) and *Bruno Gérard* (CIMMYT, Mexico)

Coffee Break (11:00 AM– 11:30 AM)

Session 2-1: (11:30 AM – 12:45 PM)

Modelling the impacts of agricultural shocks on rural livelihoods by using open source big data (*Tristan Berchoux*, CIHEAM-IAMM)

Lunch (12:45 PM – 01:45 PM)

Session 2-2 (1:45-2:45 PM)

Role of alternative water in food production in dry areas (*Rabi Mohtar*, AUB)

Concluding session (2:45PM- 3:45 PM)

Use of knowledge acquired (*Hatem Belhouchette*, CIHEAM-IAMM)

Group work (4 groups of five participants with similar research types) on how each participant sees the potential use of (or reasons not to use) the experiences and methods presented in the research, whether as advisors or policy makers. How can the latter help, or not? For which (expected) results? Which difficulties can be foreseen?