



FASTER

Farmers' Adaptation and Sustainability in Tunisia
through Excellence in Research

Summer school for Farmer Advisory Services Agents of Change

AGENDA

24 May to 28 May 2021
(Northern Tunisia)

31 May to 4 June 2021
(ONLINE)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 810812.

FASTER in a Nutshell

Farmers' Adaptation and Sustainability in Tunisia through Excellence in Research (FASTER) is a Twinning Project funded by European Commission (Directorate General for Research and Innovation) through Horizon 2020 funding programme. FASTER aims to reinforce research and knowledge transfer capacity of INRGREF related to innovative land and water management in view of climate change and its implementation through the use of Farm Advisory Systems (FAS). To achieve its mission, FASTER will develop a sustainable framework for research capacity building, international networking and FAS practice. The consortium gathers seven European and Tunisian partners: Two EU partners of established scientific excellence in the topic, [CREAF](#) and the [Lund University](#), will ensure strengthening of researchers and technicians of [INRGREF](#) and the associated [IRESA](#) (the Institution for Agricultural Research and Higher Education) centres. [Europe for Business](#) will then evaluate the experience from the economic perspective, and [Vision Communication](#) will ensure an appropriate public awareness, dissemination of results, and, trainings support. Finally, [AVFA](#) (the Agriculture Extension and Training Agency) will serve as a liaison with policy makers and related stakeholders making sure to integrate the FASTER results in national policies.

About the summer school

The summer school training program will reinforce the FAS concept application fostering its use as a tool for climate change adaptation. The FASTER summer school aims to enhance knowledge transfer between researchers and experts to farm advisory agents and professional organisations in the agricultural sector. In particular, the summer school program will actively engage participants to adopt the user-centred and multi-stakeholder approach to integrate research results and professional knowledge on the specific topics related to adaptation to climate change in the fields of water, soil and agriculture. For the above reasons, the summer school will have interactive formats for experts, farm advisory agents and other actors of the agriculture sector in North and North-West Tunisia to interact and share experiences, as well as contributing to the co-design of adaptation solutions and improving the production of relevant scientific information relevant in farmer advice.

The training programme

The summer school program will consist of two weeks of activities focused on the impacts of climate change on the agriculture of Northwest Tunisia, considering the socio-economic effects and adaptation measures applied. The first week will be held in the Living Lab area and will combine virtual and face-to-face sessions, while the second week will be entirely online.

The objective is to combine the knowledge of international experts with inputs provided by local and national institutions and experts. To that end, the FASTER consortium is pleased to invite all the attendees to participate in the seminars actively and share their knowledge.

First week _ 24-28 May 2021

The first week aims to cover the specific topics related to adaptation strategies to face climate change; international experts will lead training sessions of their field.

In the frame of the summer school, each afternoon a poster session will allow to present a topic-specific set of factsheets co-created by the Living Lab working groups, produced to transmit key findings and advice on opportunities to improve climate change adaptation for the agricultural sector. The participants will have the opportunity to discuss the factsheets with the authors and participate in an open debate with researchers, FAS agents, and different stakeholders.

Second week _ 31 May - 4 June 2021

The second week will be destined to debate in-depth about the four topics learned during the first week, as trainers will provide stimulating questions and groundbreaking perspectives after each day's courses.

Participants will be invited to different interactive sessions along with high-level experts and professionals who can integrate the research results and conclusions presented with experience-based knowledge.

The summer school program will

- Introduce adaptation measures relevant for Tunisia, including lessons learned from other projects and experiences..
- Provide tailored training on governance for adaptation, soil, water, forest management and communication.
- Engage participants in the living lab communication campaign.
- Provide discussion between researchers, experts and FAS agents.

The experts

INRGREF



Sihem Jebari
Coordinator of FASTER



Fethi Bouksila
Researcher



Sana Bouguerra
Research staff

AVFA



Khemaies Zayani
General Manager AVFA

VISION COMMUNICATION



Vision Communication
FASTER Work Package
Leader Communication
and Dissemination



Susana Albertini
Communication and
engagement expert

CREAF



Diana Pascual
Research Staff



Eduard Pla
Research Staff



Enrique Doblás
Researcher



Anabel Sánchez
Research Staff



Javier Retana
Researcher and
professor at UAB



Annelies Broekman
Research Staff

LUND UNIVERSITY



Ronny Berndtsson
Professor



Seyed Amir Naghibi
Postdoctoral fellow



Linus Zhang
Associate professor



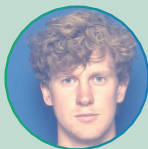
Hasan Hosseini
Phd student



Magnus Persson
Professor



Hossein Hashemi
Senior Lecturer



Erik Nilsson
Researcher

Agenda and topics



FIRST WEEK _ DAY 1

Global Change impacts on Water Resources [Time Zone UTC + 1]

Monday 24th May 2021		
09.00 - 09.15	Welcome and introduction by FASTER project coordinator	Sihem Jebari
09.15 - 09.45	Adapting water resources in agriculture for climate change	Ronny Berndtsson
09.45 - 10.00	Q&A	
10.00 - 10.30	Application of Artificial Intelligence for Sustainable Development in the Middle East	Seyed Amir Naghibi
10.30 - 10.45	Q&A	
10.45 - 11.15	Pause	
11.15 - 11.45	Water management in a warmer climate	Linus Zhang
11.45 - 12.00	Q&A	
12.00 - 12.30	Reservoir operation in arid and semi-arid areas under climate change – challenges and solutions.	Hasan Hosseini
12.30 - 12.45	Q&A	
12.45 - 13.00	Tasks for participants and wrap up	Ronny Berndtsson
13.00 - 14.30	Lunch	
14.30 - 17.00	FAS Living Lab Factsheets: poster session on water resources	



FIRST WEEK _ DAY 2

Adaptive Soil and Groundwater Management [Time Zone UTC + 1]

Tuesday 25th May 2021		
09.00 - 09.15	Introduction and agenda overview	Ronny Berndtsson
09.15 - 09.45	Surface-groundwater relationships and management options	Magnus Persson
09.45 - 10.00	Q&A	
10.00 - 10.30	Remote sensing for data collection on soil, water, and agriculture	Hossein Hashemi
10.30 - 10.45	Q&A	
10.45 - 11.15	Pause	
11.15 - 11.45	Observation sensors for soil and salinity in crop management	Magnus Persson
11.45 - 12.00	Q&A	
12.00 - 12.30	Data collection for monitoring of agricultural production	Erik Nilsson
12.30 - 12.45	Q&A	
12.45 - 13.00	Tasks for participants and wrap up	Ronny Berndtsson
13.00 - 14.30	Lunch	
14.30 - 17.00	FAS Living Lab Factsheets: poster session on soil resources	



FIRST WEEK _ DAY 3

Global change impacts on forestry [Time Zone UTC + 1]

Wednesday 26th May 2021		
09.00 - 09.15	Introduction and agenda overview	Annelies Broekman
09.15 - 09.45	Impacts of climate change on forests in the Mediterranean	Diana Pascual and Eduard Pla
09.45 - 10.00	Q&A	
10.00 - 10.30	Soil biology and forest management	Enrique Doblas
10.30 - 10.45	Q&A	
10.45 - 11.15	Pause	
11.15 - 11.45	Introduction to forested landscape management	Enrique Doblas
11.45 - 12.00	Q&A	
12.00 - 12.30	Lessons learned from adaptive forest management: cases and examples	Diana Pascual and Eduard Pla
12.30 - 12.45	Q&A	
12.45 - 13.00	Tasks for participants and wrap up	Annelies Broekman
13.00 - 14.30	Lunch	
14.30 - 17.00	FAS Living Lab Factsheets: poster session on forest resources	



FIRST WEEK _ DAY 4

Governance for adaptation [Time Zone UTC + 1]

Thursday 27th May 2021			
09.00 - 09.15	Introduction and agenda overview		Anabel Sánchez
09.15 - 09.45	Part 1 - The regenerative agrifood model: the polyfarming system	Part 2 - Best practices in agro-silvo-pastoralism: examples from LIFE MIDMACC and LIFE POLYFARMING projects	Diana Pascual, Eduard Pla and Javier Retana
	Q&A		
09.45 - 10.00	Q&A		Anabel Sánchez
10.00 - 10.30	Adaptation measures: basic definitions and concepts		
10.30 - 10.45	Q&A		
10.45 - 11.15	Pause		
11.15 - 11.45	Innovation in governance for adaptation		Annelies Broekman
11.45 - 12.00	Q&A		
12.00 - 12.30	Living lab approach		Sana Bouguerra
12.30 - 12.45	Q&A		
12.45 - 13.00	Tasks for participants and wrap up		Annelies Broekman
13.00 - 14.30	Lunch		
14.30 - 17.00	FAS Living Lab Factsheets: poster session on crop production and best practices		



FIRST WEEK _ DAY 5

Adaptation in practice [Time Zone UTC + 1]

Friday 28th May 2021		
09.00 - 09.15	Introduction and agenda overview	Annelies Broekman
09.15 - 09.45	FAS in Tunisia: importance and role in increasing adaptation and resilience to climate change	Khamais Zayani
09.45 - 10.00	Q&A	
10.00 - 10.30	Improving communication with farmers to promote adaptation and resilience to climate change: presenting FASTER FAS communication strategy and tools	Vision Communication
10.30 - 10.45	Q&A	
10.45-11.15	Pause	
11.15 - 12.30	Seminar and debate on Communicating scientific results	Susanna Albertini
12.30 - 14.00	Lunch	
14.00 - 16.30	FAS Living Lab Factsheets: poster session on fisheries and livestock	
16.30 - 17.00	Evaluation of the summer school program	
17.00 - 17.30	Wrap up and closure of the program	Sihem Jebari



SECOND WEEK

Virtual Training Guided Debates 10.00 - 11.30 [UTC + 1]

Day 1 31 May	Virtual debate Global Change impacts on Water Resources	Lund University
Day 2 1 June	Virtual debate Adaptive Soil and Groundwater Management	Lund University
Day 3 2 June	Virtual debate Global change impacts on forestry	CREAF
Day 4 3 June	Virtual debate Governance for adaptation	CREAF
Day 5 4 June	Seminar and virtual debate on Case-studies of common communication obstacles and solutions	Susanna Albertini



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