

# **Sustainable Food Systems: a Mediterranean Perspective Course Syllabus**

Prologue: Prof. Jeffrey Sachs

Module 1. The Mediterranean challenges around food and agriculture

- 1.1 Introduction to this MOOC (Prof. Alessio Cavicchi)
- 1.2 Mediterranean challenges and innovation in food systems (Prof. Angelo Riccaboni)
- 1.3 Theoretical framework, objectives and course outline (Prof. Alessio Cavicchi)
- 1.4 Contextualizing the SDGs for the Mediterranean region: what do the SDGs mean for the countries of the Mediterranean? (Prof. Phoebe Kounduri)

Module 2. History of agriculture in Mediterranean basin and Mediterranean Diet  
(Prof. Ayman Farid Abou-Hadid)

- 2.1 The origin of agriculture
- 2.2 Civilisations
- 2.3 Middle ages and early modern
- 2.4 Modern agriculture
- 2.5 Agriculture and habits of local communities: the origin of the “Mediterranean diet”

Module 3. Poverty alleviation, economic and social rural development

- 3.1 Economics of food systems
- 3.2 Rural development
- 3.3 Markets and supply chains
- 3.4 International trade
- 3.5 Development enhancing investments
- 3.6 Food governance

Module 4: Fisheries and Aquaculture

- 4.1 Our Ocean: A Finite Resource
- 4.2 Dance of the plankton
- 4.3 Marine Food Chains
- 4.4 Fisheries Economics and Management
- 4.5 Aquaculture and Mariculture
- 4.6 Sustainable Management of Fisheries
- 4.7 Summing it up

Module 5. How to achieve the Sustainable Development Goals (SDG) in the Mediterranean – The way forward I. Water resources and Fisheries Management (Prof. Maite Aldaya)

- 5.1 Challenges

5.2 Theoretical chapter

5.3 Successful case studies in Mediterranean

Module 6. How to achieve the Sustainable Development Goals (SDG) in the Mediterranean – The way forward II. Sustainable farming systems under environmental and climatic constraints

6.1 Challenges (Prof. Riccardo Valentini)

6.1b Challenges at Mediterranean level

6.2 Theoretical chapter (Arbaoui Sarra)

6.3 Successful case studies in Mediterranean (Arbaoui Sarra)

Module 7. How to achieve the Sustainable Development Goals (SDG) in the Mediterranean – The way forward III. Food value chain for regional and local development

7.1 Challenges of the Mediterranean food value chains (Prof. Angelo Riccaboni)

7.2 Theoretical chapter (Prof. Stefano Pascucci)

7.3 Successful case studies in Mediterranean (Prof Stefano Pascucci)

Module 8. How to achieve the Sustainable Development Goals (SDG) in the Mediterranean – The way forward IV. Reducing food waste and enhancing by-product innovations

8.1 Challenges (Prof Ali Abdelaziz)

8.2 Theoretical chapter (Prof Ali Abdelaziz)

8.3 Case studies in Egypt (Prof. Amr Helal)

Module 9. How to achieve the Sustainable Development Goals (SDG) in the Mediterranean – The way forward V. Nutrition and Education

9.1 Challenges (prof. Gabriele Riccardi)

9.2 Theoretical chapter (prof. Gabriele Riccardi)

9.3 Successful Case studies in North Africa and Middle East (Prof. Reema Tayyem)

Module 10. New professional profiles in a Mediterranean context (Dr. Sonia Massari)

10.1 Professional needs to face sustainability issues

10.2 Youth & food: new entrepreneurs in the Med food systems

10.3 Professional profiles in the agrifood sector

10.4 Professional profiles in the “sustainable tourism” sector: food as destination branding driver

10.5 The role of Higher Education Institutions: international cooperation, exchange and mobility

10.6 A job for the future: the “innovation broker”