Environmental Changes and Food Systems
This course includes the current state of the art knowledge on the required adaptation of agricultural production to biotic and abiotic pressures, caused and related to air pollution and climate change, relevant sustainable technologies and natural resource management. New tools will be presented for the support of crop adaptation and mitigation technologies, already required for the food production systems. The goal is to develop the necessary skills to manage adaptation strategies and design change mitigation interventions in crop systems. The course also aims to disseminate risk mapping knowledge, to look for changes that could be adopted to ensure food security and safety, and to understand possible retrograde actions in given environmental and socio-economic conditions. Another intended learning outcome of this course is the knowledge required by the students for risk assessment and mapping, for the search on changes that could be adopted to maintain food safety and security, as well as the comprehension of necessary retrograde actions in given environmental and socio-economic conditions. All the above constitute necessary knowledge for today's students and researchers of environmental sciences.