



One Health: the contribution of ecology and ecosystem conservation

(Organized by Simonetta Fraschetti and Giulia Maisto)

CFU:3

'One Health' refers to the collaboration of multiple disciplines and sectors working locally, nationally and globally to contribute to the optimal health for humans and the environment. The focus of this course is on the contributions of ecology and ecosystem conservation to the One Health concept, from different perspectives. Seminars will also consider the opportunities and the challenges of the Ecological Transition, to ensure the resilience of socio-ecological systems. The course will address the issue of how increasing human impacts can challenge the possibility of reaching a sustainable use of our ecosystems and the potential of conservation, management and restoration as potential solutions to reverse present trajectories of change.

- Roberto Danovaro (President of SZN): The Challenge of promoting One Health in the Oceans
- Anna Fano (president of the Italian Ecological Society) 10 ideas for the Ecological transition and the NEXT GENERATION UE
- Lisandro Benedetti-Cecchi (vice rector University of Pisa) The European and international research in the era of the Ecological Transition.
- Antonio Terlizzi (University of Trieste) Subtle and disregarded human impacts on the functioning of marine systems (2 hours)
- Antonio Pusceddu (Università degli Studi di Cagliari) Uso sostenibile degli oceani: dal disturbo alle soluzioni
- Laura Airoidi (Università degli Studi di Padova) Title to be confirmed

- Ferdinando Boero (University of Naples Federico II) The ecological bases of the Ecological Transition
- Marino Gatto (Politecnico di Milano) Quantitative Ecology: from data to models in the era of COVID 19
- Paolo Guidetti (SZN) Marine Protected Areas and socio-ecological systems
- Cinzia Corinaldesi (Politecnico delle Marche) Multiple impacts of microplastics can threaten marine habitat-forming species
- Simonetta Fraschetti (University of Naples Federico II) Mitigation, Conservation Restoration in the era of Ecological Transition.
- Joachim Claudet (National Center for Scientific Research (CNRS), CRIOBE) The seven domains of action for a sustainable ocean
- Adriana Albinì (Direttore Laboratorio di Biologia Vascolare ed Angiogenesi-IRCCS Multimedica (Milano)) The role of women in science (under COVID condition)