



One Health: the contribution of ecology and ecosystem conservation

(Organized by Simonetta Frascchetti 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.

January 24, 2023 Antonio Terlizzi (Head of the Integrative Marine Ecology Dept, Stazione Zoologica Napoli - Dept of Life Sciences, University of Trieste) Subtle and disregarded human impacts on the functioning of marine systems (2 hours)

January 31, 2023 Anna Fano (Past President of the Italian Ecological Society - President of Italian Federation of Natural and Environmental Sciences) 10 ideas for the Ecological transition and the NEXT GENERATION UE

February 14, 2023 Adriana Albini (Irccs, Istituto Europeo di Oncologia IEO) Lifestyle (diet exercise and more) for disease prevention and healthy life

February 24, 2023 Cinzia Corinaldesi (Professor in Ecology Politecnico delle Marche) Multiple impacts of microplastics can threaten marine habitat-forming species

February 28, 2023 Laura Airoidi (Professor Chair in Ecology, Padova University, Chioggia Hydrobiological Station) Nature based solutions to re-nature the urban ocean

March 7, 2023 Gianluca Sarà (Full Professor of Ecology University of Palermo) Biodiversity and Ecosystem functioning in the era of the Ecological Transition

March 14, 2023 Marino Gatto (Politecnico di Milano) Quantitative Ecology: from data to models in the era of COVID 19

April tbc, 2023 Antonio Pusceddu (Università degli Studi di Cagliari) Ocean sustainable use: from disturbance to solutions

April, tbc, 2023 Giulia De Nicola (Università degli Studi del Sannio) Ruolo degli ecosistemi terrestri nella contaminazione ambientale

April tbc, Simonetta Frascchetti (University of Naples Federico II) Mitigation, Conservation Restoration in the era of Ecological Transition