



United Nations  
Educational, Scientific and  
Cultural Organization



UNESCO Chair on Environment,  
Resources and Sustainable Development,  
Parthenope University of Naples, Italy



# UNESCO CHAIR

## “Environment, Resources and Sustainable Development”



Department of Science and Technology,  
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### Website

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### Scientific areas

Environmental Science, Ecology, Nature  
Conservation, Sustainable Development

### Keywords

Environment, Resources, Sustainability

### Chair holder

Pier Paolo Franzese

### Scientific Advisor

Stefano Dumontet

### Scientific Committee

Pier Paolo Franzese, Stefano Dumontet, Giovanni  
Fulvio Russo, Giulio Giunta, Giorgio Budillon,  
Alessandra Rotundi

### Secretary

Elvira Buonocore

The UNESCO Chair on “**Environment, Resources and Sustainable Development**” was established in 2020 at Parthenope University of Naples, in the centenary of its foundation. The UNESCO Chair, conferred to the homonymous International PhD Programme hosted at the Department of Science and Technology, has its venue in the monumental Villa Doria d’Angri, historical representative venue of Parthenope University.

The UNESCO Chair is designed to be a center of excellence in the fields of **environmental science, ecology, and sustainable development**. The specific objectives of the Chair are achieved through scientific research, teaching, and dissemination activities focused on two main priority targets:

1. the achievement of the 2030 Agenda United Nations **Sustainable Development Goals** (SDGs);
2. the implementation of sustainable development models in the **UNESCO-MAB Biosphere Reserves**, living laboratories where to pursue objectives of nature conservation and socio-economic development.

Through networks with different stakeholders and **interuniversity cooperation**, the UNESCO Chair represents an important asset for the transfer of know-how and the scientific support to students, researchers, citizens, managers, and policy makers.

### Teaching and Training

The teaching and training activities of the UNESCO chair are focused on different levels of investigation, from molecules to ecosystems, while encouraging an **interdisciplinary** and **systems-based approach** to science and problem solving. The UNESCO Chair offers **Master and PhD Programmes**, specific short-term intensive courses, and the exchange of students, researchers and professors within a large network of national and international partners.

### Research

The UNESCO Chair promotes an **integrated system of research, training, and dissemination** to study and solve local and global environmental problems connected to the **complex human-nature interactions**. It facilitates the collaboration among national and international scientists from different disciplines fostering an interdisciplinary approach to the research on sustainable development.

### Cooperation

The UNESCO Chair benefits from a **strong partnership** including more than 20 national and international Institutions, among which: **European and international Universities located in four different continents**, UNESCO-MAB Biosphere Reserves, national and international research centers (CNR, CREA, CIHEAM), the Italian Society of Ecology (SIIE), the Italian Society of Marine Biology (SIBM), the National Interuniversity Consortium for Marine Sciences (CoNISMa), the Italian National Order of Biologists (ONB), and trade associations such as ASMEL and Coldiretti.

## ***Most relevant activities 2019-2020***

*(The UNESCO Chair was established in July 2020)*

### ***Editorial activities and publications***

#### **Special issues of international journals**

Franzese, P.P., Basset, A., Almeida, C., Fano, E.A., Piernik A., Scardi, M., **Modelling natural capital and ecosystem services in natural, human-dominated, and man-made ecosystems**. Ecological Modelling (Elsevier), In Press.

Manes, F., Buonocore, E., Paletto, A., Franzese, P.P., **Natural Capital, Ecosystem Services, and Environmental Accounting**. Journal of Environmental Accounting and Management (L&H), In Press.

Manes, F., Vizzini, S., Buonocore, E., Renzi, M., Franzese, P.P., 2020. **Pressures and impacts on structure, functioning and services in marine, terrestrial, and transitional ecosystems**. Ecological Questions (NCU), 31(4):7-9.

Franzese, P.P., Manes, F., Scardi, M., Riccio, A., 2020. **Modelling matter and energy flows in the biosphere and human economy**. Ecological Modelling (Elsevier), 422, 108984.



Villa Doria d'Angri, Parthenope University of Naples, venue of the UNESCO Chair.

The full list of publications is available at the webpage: [www.unescochair.uniparthenope.it/publications.html](http://www.unescochair.uniparthenope.it/publications.html)

### ***Ongoing Teaching, Research and Cooperation projects***

#### **International PhD Programme “Environment, Resources and Sustainable Development”**

Website: [www.ersd.uniparthenope.it](http://www.ersd.uniparthenope.it)

#### **Online Master Programme “Natural Capital, Ecosystem Services and Environmental Accounting”**

Website: [www.masteronb.uniparthenope.it](http://www.masteronb.uniparthenope.it)

#### **Online Master Programme “Public Administration Project Manager. Interdisciplinary tools for the sustainable development of local authorities”**

Website: [www.masterpmpa.uniparthenope.it](http://www.masterpmpa.uniparthenope.it)

#### **International Research Project “Marine Protected Areas Overall Success Evaluation (MOSE)”**

Website: <https://mose-mpas.weebly.com>