

Innovative models for the management, regulation and governance of natural resources

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Hybrid seminar

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Introduction

Natural resources (including forests, watersheds, oceans, air, fauna and flora) as well as material resources (non-metallic minerals, biomass, fossil fuels, and metals) produce benefits and services on which human existence depends and are also critical to livelihoods, economic growth, development and well-being. However, human activities are putting unsustainable pressure on these resources, and current trends in biodiversity and ecosystem loss are believed to threaten 80 per cent of the Sustainable Development Goals (SDGs) targets related to poverty, hunger, health, water, cities, climate, oceans and land. Under current population and growth trends, the 2030 Water Resources Group predicts global water demand will exceed available supply by 40 percent by 2030. The demand and use of material resources have been growing over the past century, fuelled by economic and population growth, urbanisation and societal changes. From 1990 to 2017, material use has more than doubled, and is projected to double again by 2060 (OECD, 2019). As a result, pressure on natural resources continues to grow, bringing negative impacts in terms of pollution, ecosystem degradation, biodiversity loss and climate change. The complex policy issues and difficult choices regarding the management, conservation, and use of natural resources necessitate comprehensive innovative approaches to rejuvenate the management, regulation and governance of natural resources.

Programme

10.00 - 10.05 **Welcome and introduction**

FSR and RENEL

10.05 - 10.25 **Keynote speech**

Regulation and governance of nature-based solution

Mikaela Rambali | OECD

- 10.25 - 10.45 **Paper session 1**
- Giving consumers too many choices: a false good idea? A lab experiment on water and electricity tariffs, European Journal of Law and Economics, 2021*
Carine Staropoli | Pantheon Sorbonne University
- 10.45 - 10.55 **Q&A - Discussion**
- 10.55 - 11.10 Break
- 11.10 - 11.30 **Paper session 2**
- Development of a new framework for non-monetary accounting on ecosystem services valuation (2018)*
Marco Casazzana | University of Napoli 'Parthenope'
- 11.30 -11.40 Q&A - Discussion
- 11.40 - 12.25 **Roundtable: Methods and issues for ecosystem services valuation and payment**
- Kick-off discussion: Uncertainties in demonstrating environmental benefits of payments for ecosystem services*
Letícia Santos de Lima | Berlin Humboldt University
- Serge Garcia** | INRAE, BETA
Marco Casazzana | University of Napoli 'Parthenope'
- 12.25 -13.25 Lunch break
- 13.25 - 15.25 Workshop session
- From terrestrial to celestial: social licence to operate as a space mining enabler*
Petr Bahocek | School of Transnational Governance, EUI
Discussant: **Veronica Acurio Vasconez** | Lorraine University, BETA
- Disentangling the drivers of mitigation and adaptation choices (2021)*
Sébastien Massoni | Lorraine University, BETA
Discussant: **Konstantinos Sideris** | FSR Water
- 15.25 -15.30 **Concluding words**
- FSR and RENEL