

## AREAS OF ACTIVITY

**Agriculture, Biodiversity, Nature-Based Solutions, Ecosystem Services, Bioeconomy, Citizen Engagement, Citizen Science, Climate Risks & Responses, Disaster Risk Management Climate Services, Consulting, Service Provider, Data, Knowledge, Digital Services, Earth observation & Environmental Observation, Education, EU Projects, Food Production & Supply Chain, Information & Communication Technologies, Insurance Sector, Investment & Financing, Legal & Regulatory Issues, Marine, Coastal, Fluvial Management, Policy-Making, Regional & Local Administration, Research & Development, Rural Planning, Social Science & Humanities, Urban Planning, Water Management, Youth Action**

## SESSION

**Tuesday, June 08, 2021**

---

12:00 - 14:30

At your service: climate knowledge and information as enablers of climate action -  
Champion: Roger Street - University of Oxford

[View Session](#)

## OPPORTUNITIES

### PROJECT

#### **NAIAD - Nature Insurance Value, Assessment and Demonstration + RESET: Restarting economy in support of environment through technology**

NAIAD developed and operationalised the concept of the assurance and insurance value of nature in a 4-year effort and with the collaboration of 24 partners that included public authorities like cities or river basin agencies, universities and research centres, insurers, SMEs and NGOs. The project pivoted around the design of natural assurance schemes thanks to a series of biophysical, social, economic and financing tools and methods that helped to assess the effectiveness of NBSs to mitigate water risks. It also included tools to integrate all the information. The process was co-designed from the onset with stakeholders including governments, cities, catchments, insurers, scientists, and NGOs through workshops and roundtables at local, regional, national and EU level and its application in nine case study sites across Europe. The core of the project is the testing and validation of the physical and socio-economic analysis of 9 demos sites in Europe in

neighbourhoods like Spangen in Rotterdam (NL), cities like Copenhagen (DK) or Lodz (PO), small sub catchment like the Lez or the Brague (FR) and large river basin like the Danube (RO), Thames (UK) and a large aquifer in Medina del Campo (SP). It contributed to academic knowledge and policy action on NBS planning and integration, and to raise awareness on NBS and the associated socio-economic opportunities at all scales to mitigate climate change impacts with nature-based solutions. This required the development of complex modelling and forecast activities. In cooperation with the insurance sector, we proposed viable Natural Assurance Schemes that are a technically sound and financially viable option for investors at local level and higher and especially for the insurance sector. In terms of replicability, a new H2020 Pathfinder project called ReSET is building on NAIAD's legacy, further exploring spatial policy solutions for sustainable development focused on employment, economy, and environment win-wins, and proposes scientific and technological breakthroughs to build a systemic understanding of socio-environmental interrelationships. ReSET aims to leverage developments in spatial modelling, artificial intelligence, and interoperable environmental sensing to better understand pathways to reset agricultural and urban development across Europe for sustainability, by working with the relevant stakeholders to develop and test more sustainable new ways of farming and urban development. Contact: Elena Gunn <https://www.ecca21.eu/participants/231> Official website of the project: <http://naiad2020.eu>

#### **Applies to**

**Health, Security, Financing, Insurance, Local level, Food security, ICT solutions, Climate policy, Urban planning, Regional level, National level, COVID recovery, Infrastructures, Citizen science, Water management, Climate services, Earth observation, Public authorities, Knowledge transfer, Adaptation strategy, Platforms, websites, Agriculture, forestry, Extreme weather events, Education and training, Demonstration activities, Climate change adaptation, Climate change mitigation, Networking and cooperation, Legal and regulatory aspects, Pollution and waste management, Social sciences and humanities, Marine, coastal, fluvial management, Disaster risk management and reduction, Decision support tools, decision-making, Business development and commercialisation, Biodiversity, ecosystem restoration, ecosystem services, Assessment of climate change impacts (physical, economic, social...)**



ECCA 2021 - Climate Adaptation solutions - NAIAD

Video <https://youtu.be/aQY76WtP8xM>

