

COST ACTION NEXUS: NETWORK ON WATER-ENERGY-FOOD NEXUS FOR A LOW-CARBON ECONOMY IN EUROPE AND BEYOND



Country

Contract value (€)

% carried out by Epsilon

No of staff provided

Client

Origin of funding

Date (start/end)

Consortium Members

Malta

100.000.000

5

European Commission

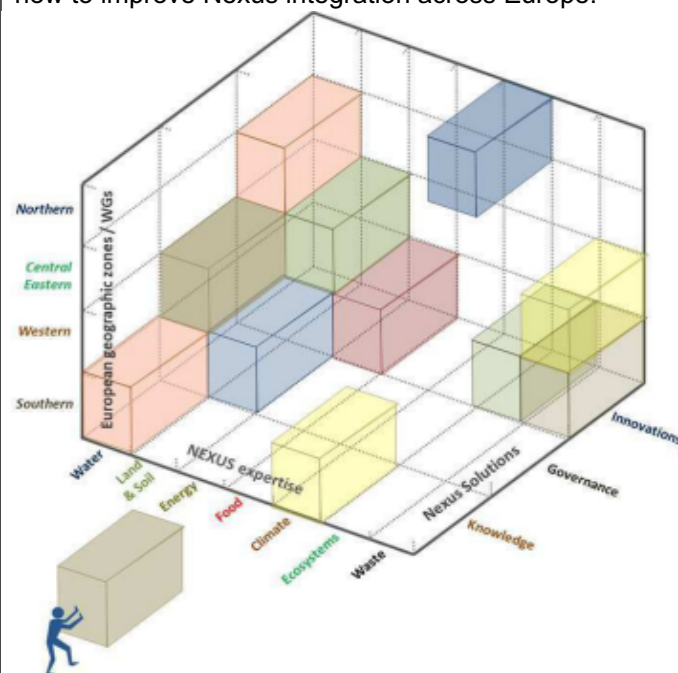
EC HORIZON

01/01/2018
01/01/2021

48 Partners

Description of the project

The NEXUS project is an international research initiative focused on fostering policy coherence in the domains of water, energy, and food to support the transition to a circular and low-carbon economy in Europe. By integrating these three sectors, the project aims to enhance resource efficiency, promote job creation, and contribute to environmental sustainability. NEXUSNET employs a transdisciplinary approach, engaging stakeholders from academia, policy, and the private sector to test and implement Nexus-compliant practices at local, regional, and international levels. The project also aims to deliver best practices for decision-making and recommendations on how to improve Nexus integration across Europe.



The projects objectives are:

- To foster collaboration between diverse sectors and stakeholders to address the interdependencies between water, energy, food, and land use in the context of sustainability and resource efficiency.
- The project aims to develop a coherent framework for policy coordination across multiple sectors, integrating scientific knowledge and practical insights. Key objectives include creating a typology for Nexus case studies, fostering knowledge exchange between scientists, policymakers, and business sectors, and promoting best practices in resource management.
- By addressing trade-offs and synergies in resource use, NEXUSNET supports the transition towards a low-carbon and circular economy, while contributing to job creation and improving well-being across Europe

Services provided

Technological Development:

- EPSILON was responsible for contributing to the development of interoperable systems and nexus semantics that integrated various frameworks. This ensured that technological innovations reinforce nexus synergies across the fields of water, energy, and food.

Knowledge Creation and Transfer:

- EPSILON was involved in the creation and dissemination of knowledge. This included facilitating knowledge transfer through training, capacity building, and developing resources that supported decision-making and the practical application of nexus principles.

Stakeholder Engagement:

- EPSILON engaged with diverse stakeholders, including policymakers, scientists, and business sectors, to ensure the nexus approach was implemented in decision-making processes and policy frameworks.

Capacity Building:

- Through workshops and training programs, EPSILON supported the capacity building of both early-career researchers and policymakers to advance their understanding and implementation of nexus-compliant strategies.