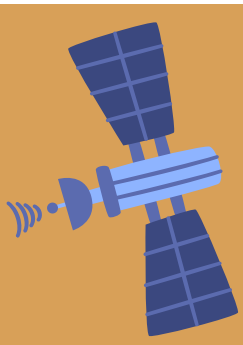
ONLINE INFOSESSION: SPACE4URBAN ADAPTATION AND FLOODS

HOW SPACE USES EMPOWER LOCAL AND REGIONAL AUTHORITIES FOR URBAN ADAPTATION AND FLOOD RESILIENCE



THURSDAY 4 JUNE 2026,10H30 - 12H

PLEASE CONFIRM YOUR ATTENDANCE BY REGISTERING HERE.

- Welcome and Opening Remarks (Roya Ayazi, Secretary General of NEREUS)

- Showcasing Best Practices and Success Stories in the domain of urban flood management

-Presentation of the Best Practice Target 2050: Reinforcing urban resilience through renaturation by Basile GOUSSARD, CEO at NetCarbon

-Presentation of a concrete use case and introduction to the project ASGARD: Satellite data assimilation to ensure prevention and early warning of rainwater runoff and associated disasters by Alexandre BREDIMAS, CEO at BlueMapping

-Satellite-Based Digital Twins for Flood Emergency Response: The SaferPlaces Experience in Emilia-Romagna by Stefano Bagli, Founder and CEO of GECOsistema srl.

- Perspectives of local and regional authorities

Andrea Resca, Regione Emilia-Romagna - tbc

- Q&A

- Discussion on how organisations/initiatives like the Space for Climate Observatory (SCO) contribute to raising awareness and integrating the use of space data into workflows of public administrations

-Alexia FREIGNEAUX, International development officer - Space for Climate Observatory (SCO): Presentation of the SCO

-Testimony from the University of Bordeaux as an end-user of the Target 2050 project by Maximilien Larter.

-Testimony from the Communauté d'agglomération Paris-Saclay as end-user of the ASGARD project (speaker TBC)

- Closing Remarks

BACKGROUND

Urban areas across Europe and globally are increasingly exposed to climate-related risks, particularly flooding due to extreme weather events, rising sea levels, and changing precipitation patterns. Local and regional authorities are on the front line of managing these risks, yet they often face challenges in accessing timely, accurate, and actionable data.

These risks are addressed within key EU policy frameworks, including the European Green Deal, the EU Strategy on Adaptation to Climate Change, and the EU Mission on Climate-Neutral and Smart Cities. Local and regional authorities play a central role in implementing adaptation measures, disaster risk reduction strategies, and urban resilience planning. However, uptake in Europe for these purposes remains scattered.

Target group: NEREUS community and beyond, representatives of local/regional administrations, SME, industry, start-ups, innovation stakeholders, research, academia,

Objectives: This webinar aims to:

- Increase awareness of available space-based services
- Best Practice Sharing and demonstrating practical user experiences
- Facilitate dialogue between stakeholders
- Enhance capacity-building among local and regional authorities
- To promote integration of space-based solutions into local governance frameworks

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Short Description of Best Practices:

Presentation of Best Practice **Target 2050**, an online application that enables local authorities and developers to assess and optimize the climate performance of their development projects in line with France's 2050 targets for carbon neutrality, zero land artificialization, and adaptation to +4°C. The solution is marketed by NetCarbon. The Project has developed a unique project impact rating system. This considers the impact on carbon storage, artificialization, rising temperatures, and the complexity and cost of implementation.

Presentation of the Best Practice Pléiades4UrbanFlood: In a context of intensifying rainfall, P4UF is prototyping a service for assessing the sensitivity of urban environments to flooding through the production of risk maps. Its added value lies in obtaining urban topography (buildings and vegetation) and physics (impermeability) data based exclusively on monoscopic VHRS imagery.

Presentation of the Best Practice "Satellite-Based Digital Twins for Flood Emergency Response: The SaferPlaces Experience in Emilia-Romagna": SaferPlaces supported Emilia-Romagna Civil Protection during the 2024 floods by delivering rapid, high-resolution flood simulations using Earth Observation data, AI modelling, and local geospatial information.

The platform provided operational maps of flood extent, depth, and arrival time, helping authorities guide evacuations, allocate resources, and coordinate emergency response. Validated against observed flood footprints, this experience demonstrates a scalable digital twin **model for strengthening climate resilience and Civil Protection across European regions.**