

# WP5 - Sustainable International Research Infrastructure

## Objectives:

- A first set of prototypes for a EU-USA data platform/e-science environment for Earth Science will be established which may serve as the building blocks for a global platform on the longer term.
- This results in specific research, development and networking needs.
- **The first objective of this WP will be to elicit and prioritize these needs, and identify opportunities to answer to the needs.**
- While the project's focus lies on EU and USA, the products are of global importance and global experts will be invited to engage during the projects execution phase.
- With an international research infrastructure as key objective, the question emerges how such a research infrastructure can be maintained, operated, and improved over time.
- Critical aspects of joined operations concern governance and legal issues (liabilities, ownership, applicable law, accessibility & openness) and, of course, funding.
- Only if these issues are in the eyes of the stakeholders satisfactorily dealt with the required credibility will be achieved to attract users and investors.
- **The second objective of this work package is hence to set up the post project organization required to maintain and further develop the platform/e-science environment for Earth Science.**

# Tasks

## Task 5.1 Post project development needs (DELTARES) – D5.1 in month 16

- Identify needs for science, technology and training required for the further development and deployment of the hydro-meteorological e-platform. Assess interdependencies, secondary needs, required resources and identify potential resources and required actions to meet the needs.
- During the final months of the project emphasis will shift towards implementing the identified actions, which should lead to meeting the needs by utilizing other resources.

## Task 5.2 Assessment of options for the organizational setup (LMU) – D5.2 in month 10

- Identify requirements and options for a post project organizational setup, based on inventory of comparable organizations (e.g. OGC, IEMSS, CIEM, The OpenMI Association, etc.).

## Task 5.3 Organizational requirements (HRW) – D5.3 in month 14

- Building on Task 5.2 key stakeholders will be interviewed about their requirements regarding organizational and legal aspects. Particular attention will be paid to ‘show-stoppers’ and willingness to invest in the future organization.

## Task 5.4: Detailed organization implementation plan (DELTARES) – D5.4 in month 22

- Based on Task 5.3 an informed decision will be made and a detailed implementation plan will be written, identifying actions, action owners, action contributors, required and available resources, etc. The resulting document will be signed off by the named stakeholders, to achieve maximum commitment.

# Outcome for “Organizational Vision”

- Organization: group under shared EGI-OSG umbrella
  - EGI: European Grid Initiative
  - OSG: Open Science Grid?
- Similarly for PRACE-XSEDE?