

Polder2C's - Knowledge Infrastructure

Climate change is affecting countries in the 2 Seas area, the Netherlands, Belgium, France and the United Kingdom, faster and to a greater extent than was previously expected. Currently, knowledge on flood defences and emergency response is scattered over institutions and not formalised and there is an expected shortage of young, well trained water managers. The Polder2C's project aims to address these issues.

Polder2C's project

The INTERREG Polder2C's is an international research project. Within the framework of the updated Sigmaplan for the river Schelde, the Hedwige-Prosperpolder will be transformed into tidal nature. Thirteen project partners, led by the Dutch Foundation of Applied Water Research (STOWA) and the Flemish Department of Mobility and Public Works (DMOW, Flanders Hydraulics Research), are working together to improve the 2 Seas regions' capacity to adapt to the challenges caused by climate change. The project aims to develop a knowledge infrastructure through which existing and new to be developed knowledge will become available and accessible.

Living Lab Hedwige-Prosperpolder

Transforming the Hedwige-Prosperpolder offers a unique testing ground for flood defence and emergency response experts. The Living Lab Hedwige-Prosperpolder allows for knowledge transfer and foresees in steps to streamline international approaches.

Knowledge Infrastructure Activities

Knowledge Infrastructure focuses on the consolidation of knowledge acquired in the Living Lab with a variety of activities:

1. International Replication of Results

The Hedwige-Prosperpolder provides an excellent location to perform large



scale exercises and experiments. However, we are bound to local levee geometries, vegetation covers and crisis management protocols. We want to bridge our project results to locations abroad by embedding the results in the international literature and state-of-the-art.

2. Educating the Next Generation

We believe that involving students from the 2seas region directly in Polder2Cs will aid in their understanding of water bound infrastructure, such as levees. All the knowledge gathered will be embedded in the education programmes of the next generation. For this purpose, course material, including video lectures, is developed and made publicly available.

3. Development of Toolboxes

We want to make sure that our colleagues benefit from our experience in the Polder2C's project. Hands-on tools for assessment of flood defenses and emergency actions are collected and developed in an online toolbox.

4. Development of the Data Wizard

A great variety of data is being generated during Polder2C's activities. The Data Wizard is an online tool that makes all data accessible and easy to use for stakeholders, such as research professionals, levee managers and students.

More information

Want to learn more about the Knowledge Infrastructure activities and results? Visit [Knowledge Infrastructure Activities](https://www.polder2cs.eu).

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www.polder2cs.eu



“Educating people for a job in water management cannot be done by books only. Therefore, we involve students and young professionals to experience the Hedwige-Prosperpolder activities and we conserve this experience and gained knowledge for future generations.”

Pieter Rauwoens, KU Leuven - Project Manager Knowledge Infrastructure

Project partners



Flanders
State of the Art

