

STORM_SAFE



Strengthening the reliability of software for critical water infrastructure in the North Sea Region

Why does STORM_SAFE matter?

Across the North Sea region, the climate defences vital infrastructure, such as storm surge barriers, locks and sluices, are aging. Much of it relies on decades-old software. If this software fails, the consequences can be devastating, including flooding, economic disruption and risks to public safety.

Under the umbrella of the EU Interreg North Sea programme, STORM_SAFE is a European partnership working proactively to address this challenge and increase the region's resilience. We are developing innovative approaches to assess and strengthen the reliability of the software underpins critical water infrastructure.

What we do

• Diagnose outdated systems

We identify aging or at-risk software and develop tailored solutions to ensure its long-term functionality and resilience.

• Co-design with real-life infrastructure

We collaborate directly with 6 infrastructure owners and 5 universities to ensure methods are practical, applicable and anchored in real world needs.

• Work across borders

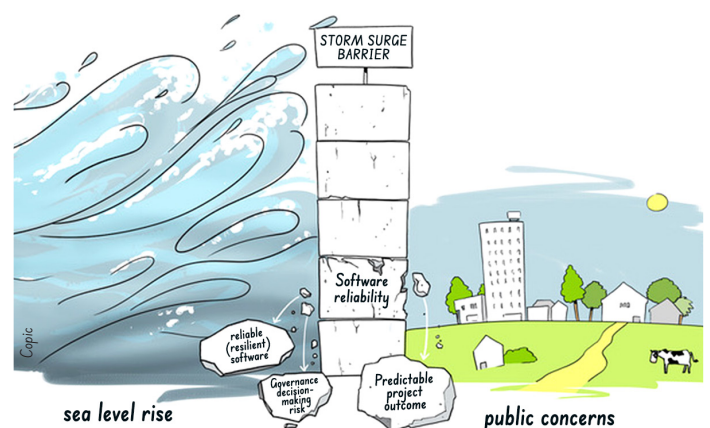
With 11 partners from six countries, STORM_SAFE delivers scalable, EU-wide solutions that can be adapted to a variety of national contexts.

• Focus on digital resilience

Software may be invisible, but it is critical for the optimal performance of the infrastructure for the purpose it was built. By improving its reliability and reducing the risk of failure, we contribute to the safety of the North Sea Region's communities, economies and ecosystems.

• Policy Dialogue

STORM_SAFE is active in the EU Policy Dialogue for enhancements of existing and contributions to future policies for a resilient North Sea Region.



Pilot sites across Europe

Examples include:

- National lock systems in France
- Storm surge barriers in the Netherlands
- Coastal and urban pilots in Denmark, Sweden and Belgium

These sites help us co-develop, test and refine our tools for wider EU use.

The project runs from 2024 to 2027.





Interreg
North Sea



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