MICORE

Morphological Impacts and COastal Risks induced by Extreme storm events

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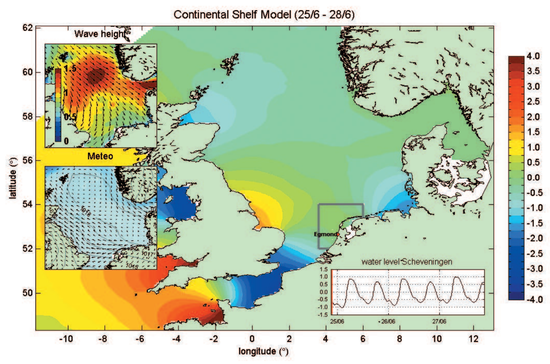
1 The Project

The MICORE project will provide the knowledge necessary to assess the present day risks and to study the economic and social impact of future severe storm events. The project will also develop operational predictive tools in support of emergency response to storm events.

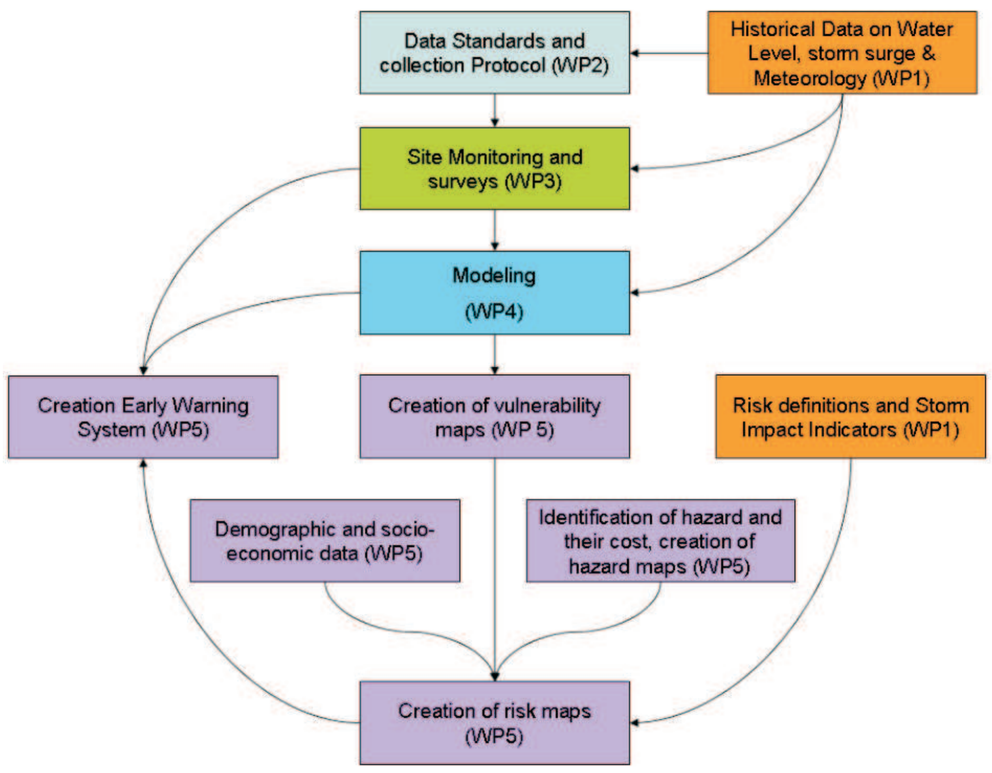


2 The Specific Objectives

1. To undertake a review of historical marine storms that had a significant impact on a representative number of sensitive European regional coastlines.
2. Measurements of significative extreme events and socio-economic impacts for database creation.
3. To undertake monitoring of nine European case study sites for a period of 1 year.

4. To test and develop reliable methods for morphological numerical modelling.
5. To set-up real-time warning systems and to implement their use within Civil Protection agencies.
6. To disseminate results to end users at National, European and International levels.

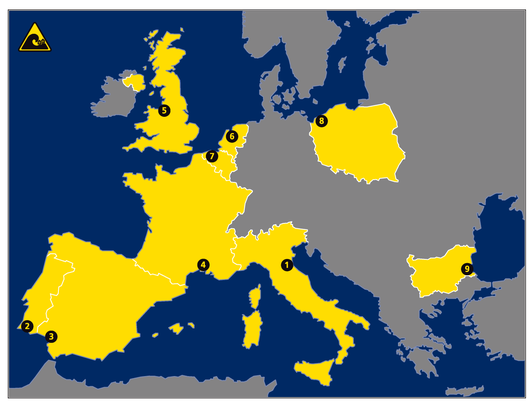
3 Workpackages



Flowchart describing the path from basic data towards Risk Maps and Early Warning System

- WP 1 Historical storms
- WP 2 Data standards
- WP 3 Site monitoring
- WP 4 Modelling
- WP 5 Warning system development
- WP 6 Dissemination and exploitation
- WP 7 Project management

4 The Case Studies



1	Italy	Lido di Dante Lido di Classe	Natural with dunes, river mouths - defended coastline, infrastructures, high touristic value, microtidal	8 km
2	Portugal	Praia de Faro	Barrier-islands, dunes, overwashes, inlets, high touristic value, infrastructures, mesotidal	8 km
3	Spain	La Victoria Camposoto Beach	Urban beach, high touristic value, defended coastline, infrastructures - natural sand spit with dunes, overwashes, river mouth, salt marsh, touristic value, mesotidal	10 km
4	France	Lido of Sète to Marseillan	Low barrier island, dunes, high touristic value, defended coastline, infrastructures, microtidal	13 km
5	United Kingdom	Eastern Irish Sea	Macrotidal site with high occupation and touristic value, high value infrastructure, coastal defences, sand dunes, tidal flats, mud flats, salt marsh and estuaries	40 km
6	The Netherlands	Egmond	Nourished beach, dunes, high touristic value, mesotidal	5 km
7	Belgium	Mariakerke	Wide dissipative urban beach regularly nourished, infrastructures, defended coastline, high touristic value, macrotidal	11 km
8	Poland	Dziwnow Spit	Sand spit with low dunes; river mouth, protected coastline, nourishments to protect infrastructures, high touristic value, non-tidal	15 km
9	Bulgaria	Kamchia Shkorpilovtsi	Open beach on the Black Sea, dunes, river mouths, touristic value, non-tidal	13 km

5 Partners

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