

[HTTP://WWW.RISCKIT.EU](http://www.risckit.eu)

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International Marine and Dredging Consultants (IMDC), Belgium
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CIMA Research Foundation (CIMA), Italy
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Stockholm Environment Institute (SEI), Sweden
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University of Caen (UniCaen), France
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RISC-KIT

RESILIENCE-INCREASING
STRATEGIES FOR COASTS - TOOLKIT

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WHAT IS THE RISC-KIT PROJECT?

The RISC-KIT project is a response to an ever increasing flood risk faced by exposed European coastal areas taking into consideration both risk reduction and resilience increase needs.

PROJECT TITLE: Resilience-Increasing
Strategies for Coasts - toolKIT

PROJECT ACRONYM: RISC-KIT

FUNDING SCHEME (FP7): Collaborative Project

EU FINANCIAL CONTRIBUTION: €6.0 million

START DATE: 01 November 2013

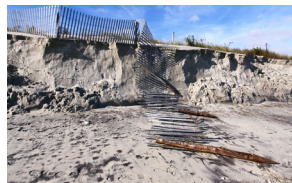
END DATE: 30 April 2017

CONSORTIUM: 18 partners from 10 countries and
2 international organisations

CASE STUDIES: 10 European and 1 international

PROJECT COORDINATOR: Dr. Ap Van Dongeren,
Stichting Deltares, The Netherlands

PROJECT WEBSITE: <http://www.risckit.eu>



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OBJECTIVES

The RISC-KIT project main objective is the development of new and innovative methods, tools and management approaches to reduce coastal risk and increase coastal recovery capability (resilience) to hydro-meteorological events of low-frequency but high-impact, such as coastal storm surges and sea level rise floods.

These ready-to-use products, will improve the forecasting, prediction and early warning capabilities of such events, and will also improve the assessment of long-term coastal risk and the optimization of prevention, mitigation and preparedness measures.

The RISC-KIT project will seek to achieve its objectives by developing its open-source and free-ware tool-kit based on current-practice coastal risk management plans and historical large-scale events lessons, whilst taking into account coastal managers and policy makers needs.

The RISC-KIT project will also ensure a wide applicability of its tool-kit (diverse geomorphic settings, hazards, land

use, socio-economic losses and environmental impacts) by developing and testing its tools in a set of 10 case study sites located in each of the European regional seas, as well as to one hazard-prone and highly vulnerable international site (in Bangladesh)

The RISC-KIT tool kit will consist of:

- a **Coastal Risk Assessment Framework (CRAF)** to quickly assess at a regional scale present and future hot spot areas of coastal risk;
- a quantitative, high-resolution **Early Warning and Bayesian/based Decision Support System (EWS/DSS)** to predict hazard intensities based on hydro-meteo and morphological models and socio-economic, cultural and environmental consequences on the hot spots;
- a **Web-Based Management Guide** offering innovative, cost-effective, **ecosystem-based Disaster Risk Reduction (DRR) measures** to guide in identification of the best prevention, mitigation and preparedness measures for the coast and,
- a **Coastal Risk Database** of present and historic socio-economic and physical data.



EXPECTED IMPACTS

The RISC-KIT project will promote EU citizens protection from coastal hazards and the safeguard of its economic growth and competitiveness by providing coastal managers and policy makers tools to minimise loss of life, economic damage, habitat destruction and loss of cultural heritage (risk reduction and resilience increase).

The RISC-KIT project will also promote a culture of safety and resilience by promoting knowledge transfer on coastal zone resilience to low-frequency, high-impact hydro-meteorological events to stimulate capacity-building (training) and to encourage the long term uptake of project's tools and methodologies

The RISC-KIT project will:

- Contribute to the a faster attainment of the disaster risk reduction goals of the United nations Office for Disaster Risk Reduction (UNISDR);
- Design of cost-effective risk-reduction plans;
- Improve risk governance and preparedness through the provision of timely information and warnings to decision-makers;
- Promote a safety and resilience culture through the organization of capacity-building (Summer Schools) and knowledge transfer events.