amending the Design criteria of URban defences in LECZs through Composite-modelling of WAVE overtopping under climate change scenarios

Fact Sheet

Project Information

DURCWave
Grant agreement ID: 792370

DOl
10.3030/792370

Closed project

EC signature date
19 March 2018

Funded under
EXCELLENT SCIENCE - Marie Sklodowska-Curie Actions

Total cost
€ 170 121,60

EU contribution
€ 170 121,60

Coordinated by
UNIVERSITAT POLITECNICA DE CATALUNYA
Spain

Start date
1 March 2019

End date
4 April 2021

This project is featured in...
Project description

Enhanced models of wave overtopping support more effective design of coastal defences

Low-elevation coastal zones (LECZs) can be extremely vulnerable to the effects of climate change and sea-level rise, which are expected to increase in the coming decades. Despite the existence of man-made defences, including storm walls and stilling wave basins, a better understanding of their interactions with overtopping waves is required for effective future design. Supported by the Marie Skłodowska-Curie Action Programme, the DURCWave project will carry out a composite modelling campaign targeting wave overtopping and post-overtopping processes using both physical and numerical modelling. With its results and outreach activities, DURCWave aims to facilitate effective decision making to reduce the vulnerability of all types of LECZ defences.

Fields of science

natural sciences > earth and related environmental sciences > physical geography > coastal geography
natural sciences > earth and related environmental sciences > atmospheric sciences > climatology > climatic changes

Programme(s)

H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions
H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

Topic(s)

MSCA-IF-2017 - Individual Fellowships
Call for proposal

H2020-MSCA-IF-2017

See other projects for this call

Funding Scheme

MSCA-IF-EF-ST - Standard EF

Coordinator

UNIVERSITAT POLITECNICA DE CATALUNYA

Net EU contribution

€ 170 121,60

Address

Calle jordi girona 31
08034 Barcelona
Spain

Region

Este > Cataluña > Barcelona

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Total cost

€ 170 121,60

Last update: 23 August 2022

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European Union, 2024