Subaqueous spreading: characteristics, evolution and its suitability as a paleoseismic proxy

Fact Sheet

Project Information

SubSpread
Grant agreement ID: 101003388

Funded under
SPREADING EXCELLENCE AND WIDENING PARTICIPATION

Total cost
€ 148 049,28

EU contribution
€ 148 049,28

Coordinated by
UNIVERSITA TA MALTA
+ Malta

Closed project

Start date
11 January 2021

End date
10 January 2023

Project description

Soil investigation covers new ground in New Zealand

A hazard for subaqueous and land infrastructures, soil spreading has been observed worldwide. The EU-funded SubSpread project will explore the geological factors that influence the mechanics of this phenomenon. By analysing published data on on-land and subaqueous spreading, the project will investigate its triggers and development mechanisms. It will also study the role of spreading as a new proxy for supporting palaeoseismic analysis in the subaqueous setting. Furthermore, the spreading signature will be investigated in the stratigraphic and bathymetric record of Lake
Tekapo (South Island of New Zealand). The results will improve our understanding of spreading along the giant Storegga Slide on the Norwegian margin and shed light on on-going palaeoseismic research on the Alpine Lakes.

**Fields of science**

natural sciences > computer and information sciences > databases

**Keywords**

Liquefaction  spreading  subaqueous landslides  paleoseismology

sedimentology  numerical modelling  earthquakes  marine geology

marine paleoseismology

**Programme(s)**

H2020-EU.4. - SPREADING EXCELLENCE AND WIDENING PARTICIPATION  [MAIN PROGRAMME]

**Topic(s)**

WF-02-2019 - Widening Fellowships

**Call for proposal**

H2020-WF-2018-2020

See other projects for this call

**Sub call**

H2020-WF-02-2019

**Funding Scheme**

MSCA-IF - Marie Skłodowska-Curie Individual Fellowships (IF)
UNIVERSITA TA MALTA

Net EU contribution

€ 148 049,28

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Region
Malta > Malta > Malta

Activity type
Higher or Secondary Education Establishments

Links

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

Other funding

€ 0,00

EC signature date 23 April 2020
Last update: 17 July 2023

Permalink: https://cordis.europa.eu/project/id/101003388

European Union, 2023