

SoClimPact project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 77661.



REIS – A Platform for Climate Change Adaptation Support

The SOCLIMPACT consortium has implemented its “Regional Exchange Information System (REIS)”, an open and multidisciplinary platform for selected EU islands, in which regional stakeholders, policymakers, sector rulers, and practitioners can interact, and propose new ideas of collaborative work and engagement activities with the scientific communities, even beyond the project lifetime.

The warming of the climate system is unequivocal and continued emission of greenhouse gases will cause further warming and changes. Islands are particularly vulnerable to Climate Change consequences, but the lack of data as well as the coarse spatial resolution of available projections and economic models makes it difficult to derive valid statements for islands. Policymakers must have accurate information about likely impact chains and about the costs and benefits of possible strategies to implement efficient measures.



SOCLIMPACT

www.soclimpact.org

The SOCLIMPACT project aims to conduct an indicator-based assessment of climate-change effects and their socio-economic impacts on selected islands: Malta, Cyprus, Baltic Islands, Balearic Islands, Sicilia, Sardinia, Corsica, Crete, Azores, Madeira, Canary Islands, and French West Indies. Within the consortium of 24 partners, **AquaBioTech Group** from Malta is the Island Focal Point for the Maltese Islands and the co-chair of the sector modelling team for aquaculture.

The SOCLIMPACT consortium has decided to implement the “Regional Exchange Information System“ (REIS platform) as a user-friendly tool for periodic exchange between EU islands, researchers, and regional policymakers. The REIS is an information system to support decision-making while filling research and data gaps for the EU islands between what climate researchers can provide and what decision-makers require.

The REIS platform offers a great opportunity for networking to all European islands and their communities. Its aim is to stimulate debates, promote further research and joint projects, and intensively discuss to establish a benchmark for adaptation, encouraging resilient capacities of EU islands as well as the promotion of blue growth.

The most powerful service provided by the REIS is the **Adaptation Support Tool for Islands**. It allows stakeholders to access practical guidance and specific knowledge generated by the SOCLIMPACT project regarding physical impacts, non-market, and socio-economic consequences of climate change for the 12 EU islands. It presents:

- Current climate and related risks of each island
- Existing National Plans and Strategies for climate change adaptation and mitigation
- Specific limits and obstacles that have been identified in the avenue of fighting against climate change
- New knowledge stemming from the downscaled analysis of the different climate hazards carried out in Soclimpact.

This tool supports each island's policy makers to select and form international and multidisciplinary groups for networking activities to the benefit of their islands, propose further development of the SOCLIMPACT research, and extend the results to other key areas and sectors.

Furthermore, the platforms' **Networking Area** provides a space for the formation of international and multidisciplinary groups, open forums and proposals of new research projects and worktables with the experts presented in the platform's **Experts Panel**.

A part of the REIS' **e-Library** contains links to the official repository of the project data and publications as well as to other platforms of stakeholders and documents of interest for the stakeholders' communities. It will be continuously updated until the end of the project and after.

REIS REGIONAL EXCHANGE INFORMATION SYSTEM

CO-DEFINING OPTIMAL ADAPTATION PATHWAYS FOR EU ISLANDS AND ARCHIPELAGOS



Click the image according to the following steps

- 1- CHOOSE THE ARCHIPELAGO
- 2- CHOOSE THE SECTOR



TOURISM



AQUACULTURE



MARITIME TRANSPORT



ENERGY

3- CHOOSE THE HAZARD

TOURISM

1. Seagrass loss
2. Fire Weather Index
3. Beach reduction
4. Humidity Index – Humidex percentage of days when T > 35°C
5. Vector Suitability Index for Aedes Albopictus (Asian Tiger Mosquito)

AQUACULTURE

6. Fish thermal stress
7. Annual Mean Significant Wave Height (AMSH)
8. Extreme Wave Return Time

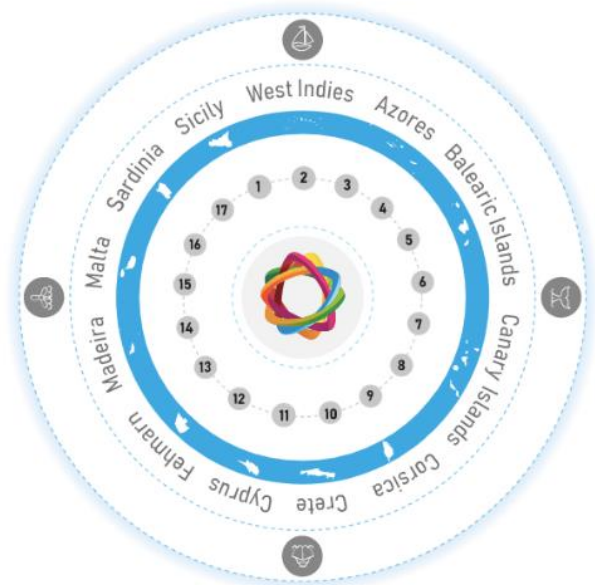
MARITIME TRANSPORT

9. Mean Sea Level Rise
10. Storm surge Extremes
11. Frequency of extreme high winds
12. Wave extremes

ENERGY

13. Change in wind and photovoltaic energy productivity
14. Extreme temperature T > 98% percentile
15. Cooling Degree Days
16. Energy Droughts
17. Precipitation Index SPEI

RESET TOOL



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