



SOCLIMPACT



**Downscaling climate impacts and decarbonisation pathways
in EU islands, and enhancing socioeconomic and non-market
evaluation of Climate Change for Europe, for 2050 and beyond**





This project has received funding from the European Union's Horizon
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Work Package 8: Communication and Dissemination

Deliverable 8.6. Final Conference Report

Coordinated by ULPGC and the support of all
Soclimpact partners

Version 01



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1. Introduction

The whole SOCLIMPACT team has been working very hard in order to design this final event. With the idea of having not just a final conference but the First European Summit on Climate Change so, in that way this event is very relevant cause it can help to publicise all the result of this project. We are working for the legacy of these valuable to keep going in the future and for that aim this First Summit is set to happen on the 23rd March coinciding with the World Meteorological Day thus, in terms of communications that relevant date will help to promote not only this conference but also SOCLIMPACT's message.

We get to this final point after all the work packages and the significant findings of the last 40 months. The goal it's not to just have a conference in 2021 but to give the floor to a new conference in 2022 and to keep going every year with a summit to maintain alive the REIS platform and ensure the sustainable use of the materials and organization dedicated to this event.

The main objective of this Conference is to give visibility to the REIS platform, and its Adaptation Support Tool for Islands, to keep growing the islands' networking both within the islands and with other agents and stakeholders. Other important goals of the event were:

- To engage new members and Ambassadors that continue working with the project's knowledge and information beyond its lifetime
- To connect the REIS with other relevant platforms
- To connect our 12 islands case studies with other islands and coastal areas worldwide

The main target groups were policy makers, researchers and industry of all islands worldwide, as well as all the Climate Change groups and organizations focusing in the 4 sectors included in this project: Tourism, Energy, Aquaculture and Maritime Transport.

The final program of the event can be found in Appendix 1

The full video of the event can be found in the Soclimpact youtube channel [HERE](#)

This report is composed by 4 main sections. Three sections dedicated to describe the organisations. Logistics and requirements of the Final Conference (with evidences that are shown in the appendices), and a final section dedicated to the conclusions of the project, summarising main limitations, further research, and innovation needs.



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2. Organisation

The name and date of the event was validated by POT members two months' prior the celebration. **First European island summit on Climate Change. *Towards a common framework for climate governance.***

The Islands

Since the beginning, it was proposed that the protagonists of this important meeting would be the islands. IFP partners did a very hard work in the project and they deserved this space to explain their involvement and their worries and concerns for the future. We wanted a final conference as an opportunity for islands to raise their voices.

It was proposed to have one representative per each island in a virtual roundtable session. Although the conference should be virtual due to the health emergency, this virtual set allowed to show the islands together which is the main idea of the Platform REIS. Thus, the virtual set also served to transmit the philosophy of the REIS platform.

Another important conclusion at this first stage was the possibility to invite specific stakeholders representing the island in the virtual set, which should be a decision of each IFP partner.



Figure 1. Graphic representation of the virtual set

It was proposed that each island would have **TWO** interventions.

In the first intervention island representatives should:

1. Introduce themselves and their involvement in the project
2. Give their opinion on the usefulness of the project's information to promote best practices in the islands
3. Expose what actions are being implemented or promoted by them to ensure the right use of the project's knowledge beyond its lifetime



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In the second intervention, island representatives would answer some questions coming from Work Package leaders or the audience. In this sense, some questions were collected from WP leaders and carefully assigned to the islands prior the celebration of the event.

Hereafter we show the list of panellists and stakeholders representing the case studies of their islands.

Table 1. List of panellists in the virtual set of islands

Island	Institution	Person	Position
Canary Islands	Technology Institute of Canary Is	Gonzalo Piernavieja	Director RDI - ITC
Corsica	RAMBOLL	Ghilain Dubois	Researcher
Crete	Government	Mr. George Alexakis	Vice Governor of Crete on European and International Affairs
Balearic Islands	UIB University	Gabriel Jordà	Researcher
Sardinia	ANCI Sardegna	Alessandro Manosu	Consultant
Malta	AquaBio Tech Group	Lena Schenke	Environmental and Marine Survey Consultant
Sicily	OTIE	Giovanni Ruggieri	President
Cyprus	Interfusion	Constantinos Stylianou	Researcher
West Indies	University of French West Indies	Nardisse Zhaibo	Professor
Madeira	AREAM	Filipe Oliveira	President of AREAM's Administration Board.
Fhernam	Baltic Environmental Forum Germany	Damian Arikas	Researcher
Azores	Environmental Department of Azorean Government	Ana Marisa Goulart.	Head of Unit

Another important aspect concerning the island was the local meeting. We wanted to link the conference's end to a capacity building workshop where the IFP partners meet once again with their stakeholders to interact with the **REIS** and the **Adaptation Support Tool**, among other aspects they considered necessary. This meeting should be organized virtually, the same day in an evening session or another day before March 30th.

During the SC meeting number 16 (Jan 2021), IFP partners agreed on this organisation and showed their interest in utilizing this local meeting to deliver the last results of the project concerning WP7 adaptation analysis, joint to the training session on the REIS. In the table below the planned dates for the training meetings with the LWG members in each island are shown.



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Table 2. Planned dates of the final LWG meetings with local stakeholders for a training session on the REIS and deliver the final results

Island	last meeting LWG
Canary Islands	March 30, 2021, 12:00 GMT
Corsica	March 30, 2021, 10:00 CET
Crete	March 29, 2021, 10:00 CET
Balearic Islands	March 30, 2021, 12:00 GMT
Sardinia	March 30, 2021, 10:00 CET
Malta	March 23, 2021, 14:30 CET
Sicily	March 24, 2021, 12:00 CET
Cyprus	March 29, 2021, 11:00 EET
West Indies	March 30, 2021, 16:00 CET
Madeira	March 25, 2021 15:00 GMT
Fhemarn	March 30, 2021, 10:30 CET
Azores	March 30, 2021, 10:30 CET

Best practices material

The Coordination team of Soclipse also planned to prepare a Best Practices material of the islands of the project, compiling key success stories in each island that could be useful to share with others. This material was considered relevant as a manual and other type of support material of the REIS platform. This work was also part of the organisation of the Final Conference.

IFP partners were provided with a template, following guidance of other forms already existing in the [Responsible Islands Prize](#) competition.

The material was uploaded to the website of the project and also included in the REIS platform. The final version was validated by IFP partners and shown in the Final Conference. It can be found [HERE](#).

The material not only include the Soclipse islands but also other islands that stand for their gained experience and success stories. They are for example SAMOA (National Adaptation Programme of Action), TUVALU (Coastal Adaptation Project), and the winners of the latest EU Responsible Islands price: Bright Green Island (Bornholm), SAMSO (Energi Akademiet), and ORKNEY ISLANDS (Orkney Renewable Energy Forum).



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Recorded videos of WPs' presentation

Aiming to organise a very dynamic conference, it was decided to not have a traditional presentation of the project results. Thus, leaders of the research carried out in the project shared in a 2 minutes pre-recorded video some highlights or take-away messages. In these videos, WP leaders also mentioned specific islands that outstanding in those results. They also launched two or three questions that trigger a discussion among high-level European representatives and islands' representatives about policy design.

As WP5 was key in establishing the linkages between climate models and macroeconomic analysis, three researchers recorded a video explaining the analysis and estimates carried out in the economic valuation of CC impacts on the four Blue Economy sectors.

Video presentations

Three different videos were prepared for the Conference, as part of the communication material of the project. The creation of these videos was a subcontracted service of the Coordinator ULPGC.

A video introduction

A video introduction of the project was created, explaining the main objectives and the most important results obtained. This was important as the event was open to the General Public and there could be participants that were joining the project for the first time. This video can be found in the Soclimpact youtube channel [HERE](#).

A virtual reality video

In this video we show the projections of some hazards and risks analysed in the project, with reference to a well-known destination in Europe, the Maspalomas National Park in Gran Canaria. The video aims to raise awareness in the society, tourists and citizens, about the future danger to this natural park, if no mitigation efforts are in place (business-as-usual scenario). At the same time, the video shows a pillars of information contained in the Adaptation Support Tool for Islands and was considered as another incentive to motivate the use of the platform.

In total seven impacts are represented in the 3D video, available [HERE](#)

- a. Mean Sea Level Rise
- b. Beach reduction
- c. Forest Fire danger
- d. Humidity Index-Discomfort level
- e. Standardized Precipitation Evapotranspiration Index (SPEI)



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- f. Floods
- g. Seagrass evolution; Coverage in km²

A video presentation of the REIS platform

Although it was not initially planned, partners saw the necessity to create a tutorial video of the REIS platform. The video was linked to the Home page of the REIS and also utilised to present the platform during the conference. The video can be found [HERE](#). It will be also utilised in the last LWG meeting as part of the training material.

Recorded videos from high level representatives

As part of the program, several high level representatives of the 4 Blue Economy sectors of the project were invited to record a video in which they explained:

- their organisation involvement in the study of CC at island level,
- the avenues of collaboration already activated with Soclimpact coordination team

From the tourism and transport sector, there were four interventions:

- Mr. Francisco Santos-Jara, Regional Advisor, Economic Recovery & Livelihoods for Asia Pacific at United Nations Developed Programme
- Mr. Eduardo Santander, Executive Director at European Travel Commission and Co-Chair at Global Future Council on Sustainable Tourism at World Economic Forum
- Mr. Tim Fair-hurst, Secretary General at European Tourism Association
- Mr. Alejandro Cardenete Flores Deputy Minister of Tourism in Andalusia.

From the energy sector:

- Mr. Jan Cornillie from the Clean Energy for EU Islands Secretariat.
- Ms. Uli Lehr, Head of the Socio-economics International Renewable Energy Agency at IRENA

From the aquaculture sector,

- Mr. Javier Ojeda Gonzalez-Posada from the Spanish Professional Aquaculture Association, APROMAR.

Finally, representatives of the CPMR Islands Commission and Union for the Mediterranean were:

- Mr. Francesco Catte from CPMR Islands Commission.
- Mr. Isidro González Afonso Deputy Secretary of the Union for the Mediterranean.

The Canary Islands Declaration

Last but not least, the Canary Islands declaration was an initiative presented to all partners' prior the celebration of the event. The main aim of this declaration is to engage all Soclimpact islands in future collaborative works, and motivate them to be actively involved in the energy transition of



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their islands. Each partner organisation can contribute to a common objective from their own fields of action and influence. Appendix 2 shows the full text of the Declaration.

Next steps are to formalise this declaration in form of pact. ULPGC will not be alone on this avenue, as the Government of the Canary Islands, more specifically, the Minister of Ecological Transition, has communicated ULPGC its intention to organise a European islands network in the fight against CC.

3. Logistic and technical support

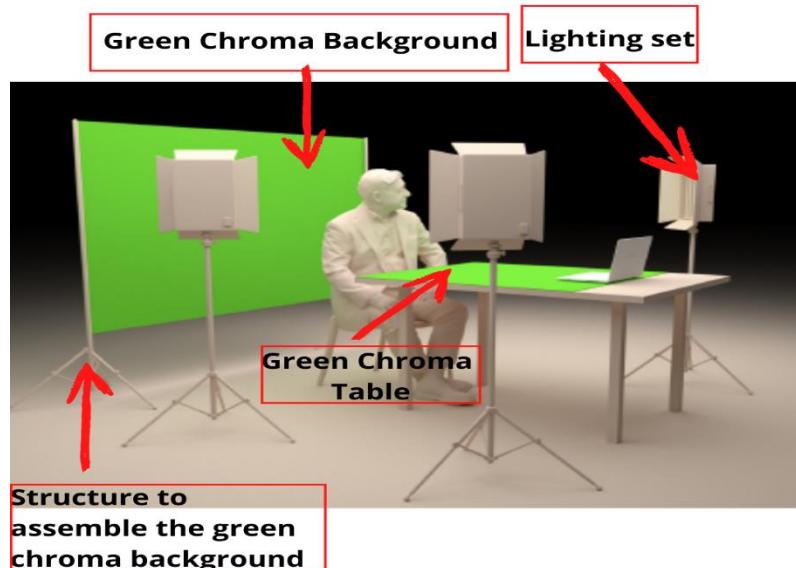
The organisation of the conference count with consultancy services from a Master of Ceremony. She also gave support in logistics, the launch of press releases and letters of invitation. Besides, a communication enterprise was hired, named Vega Factory. Three quotations were obtained in all cases beforehand.

In order to organise a virtual set with the 12 islands together, a Chroma Set for the person representing the island was necessary. The ULPG gave all the support to IFP partners for the acquisition of this consumable of dissemination. This is considered an eligible cost under the category "other direct costs" of the project.

Each island representative was at home or office, and from that location the final image was incorporated in the same virtual set and it would look like we are all together even though we are not.

The *Chroma kit* used is composed of four elements:

1. Green Chroma for background
2. Green Chroma for table
3. Structure to setting the background Chroma
4. Lighting set.





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Several meetings with the Master of Ceremony and the enterprise Vega Factory were organised. Every week during two months of organisation POT members revised the agenda, invitations, materials, and checked every aspect of organisation. Appendix 3 shows the last version of the schedule as it was validated internally with the enterprise. As the event required a lot of technical support and visual art, a graphic schedule was drawn to better understand and plan the interventions in each room (Appendix 4).

Zoom and Youtube channels

Four different rooms were organised:

- A main Zoom room with max 500 participants. The link for connection to this room was <http://soclipsesummitcc.com/>

This is the link to be used by all partners, including WP leaders and IFPs. Also the AB members and other H2020 coordinators received the link. The link was also sent out to registered participants and those stakeholders in each island with a very close relation to the project (Local Working Groups). The high level representatives invited and also the EC officers received this link. The participants in this room may intervene and ask questions.

- A Live Streaming channel in Youtube for the General Public was activated. This link was posted in social media several times, in press releases and was included in the Home page of the website.
- Island representatives in the virtual set were connected through another Zoom room
- A backstage Zoom room was also organised. In this room were the authorities of the welcome session, the master of ceremony, and the project manager and Coordinator.

4. Invitations

CRM tool: Invitations with an *Inscription Link* were sent through Email Marketing using CRM Tool to more than 1000 stakeholders. Appendix 5 shows an example of the text.

Social media: During 2 continuous months every 2 days we posted the announcement in social media, tagging specific stakeholders in each island. Each post had a very specific profile. The content and language of the post was changing according to the type of stakeholders we wanted to reach.

Other H2020 projects and platforms: Using the official email account of the Coordinator, invitations to other Coordinators of similar projects were sent.

In every invitation, Soclipse encouraged all actors not only to take part on this event but also, to inform and share the particulars of this Summit with the general public and their contacts through their social media, newsletters etc.



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A non-exhaustive list of projects and platforms that received a personal invitation to the conference is presented hereafter:

- ADVANCE (2013-2016; advanced models for mitigation policies cost and impact analysis)
- CD-LINKS (2015-2019; knowledge sharing for linking climate and development policies)
- COP21 RIPPLES (2016-2019; implications of COP21 for European pathways and policies)
- CoaCCH (2017-2021)
- ENSPOL (2014-2016; implementation of Article 7 of the EU Energy Efficiency Directive)
- MUSTEC (2017 – 2020; solar power, electricity on demand, trading, CSP)
- NAVIGATE (2019-2023; Next generation of advanced integrated assessment modelling to support climate policy making)
- openENTRANCE (2019-2023; integrated modelling platform, energy transition pathways in Europe)
- PATHWAYS (2013-2016; transitions pathways to sustainable low carbon societies)
- PUBLENEF (2016-2019; assist implementation of effective energy efficiency policies)
- REEEM (2016-2019); transition pathways to sustainable low carbon societies)
- REINVENT (2016-2020; realising innovation in transitions for decarbonisation)
- TRANSRisk (2015-2018; transitions pathways and risk analysis for mitigation strategies)
- LANDMARC (2020-2024; LAND-use based Mitigation for Resilient Climate pathways)
- NAPA CapeVerde (National Adaptation Programme of Action on Climate Change)
- CLEAN ENERGY FOR EU ISLANDS (Final Transition Aran Islands)
- SAMOA (National Adaptation Programme of Action)
- TUVALU (Coastal Adaptation Project)
- SAMSO (Energi Akademiet)
- ORKNEY ISLANDS (Orkney Renewable Energy Forum)
- UNDP Bangkok Regional Hub
- ISLAND INNOVATION <https://islandinnovation.co/contact/>
- ISLANDS 2030 <https://www.islands2030.org/>
- NESOI- green energy for islands
- Directorate-General for Maritime Affairs and Fisheries.
Unit A.3 – Sea-basin Strategies, Maritime Regional Cooperation and Maritime Security
- Necstour necstour.eu
- European Travel Comission etc-corporate.org
- ETOAetoa.org
- Ufm- uNION FOR THE mEDITERRANEAN
- DG CLIMA - Policy development, monitoring and implementation of Adaptation to Climate Change.
- Conference of Peripheral Maritime Regions - CPMR
- International Renewable Energy Agency - IRENA

The newsletter: The last newsletter had a very specific session dedicated to the Conference (<https://soclimpact.net/soclimpacts-fifth-newsletter-issued/>)



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Press releases: All partners were invited to generate at least one press release on the project outcomes and with reference to the event

Some examples are:

- [Partner OTIE \(Sicily\)](#)
- [Partner Université des Antilles \(French West Indies\)](#)
- [Partner KRTI\(Greece\)](#)

Appendix 6 shows the presentation of the Project Coordinator and Appendix 7 some photos during the celebration of the event.

All partners congratulate the Coordination team for the great job and also congratulation messages from DG CLIMA and the Government of Canary Islands were received. All partners are motivated to continue utilising the support materials and logistic already settled up for the next years.



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5. SOCLIMPACT in a nutshell: Limitations, further research and innovation needs

With islands being of particular relevance for the EU, and their sustainable development dependent on local information, SOCLIMPACT allowed for the identification of science and policy gaps at local levels that constrain islands' avenues to become more resilient territories to the impacts of climate change. The results are increasingly relevant for the EU climate policies, in particular the European Green Deal which aims at implementing the United Nation's 2030 Agenda.

After 40 month of intensive work, and although the need to redirect great part of the work due to COVID-19, the project has completed all its tasks with satisfactory results.

Main outcomes of the action can be summarised as follows:

- ✓ Downscaled projections of CC risks for 12 EU islands (SLR, flooding, beach reduction, seagrass evolution, fire danger, etc.), under RCP2.6 and RCP8.5 scenarios and two time horizons: a baseline period (1965-2005), mid-century (2046-2065) and end of century (2081-2100).
- ✓ An iterative risk assessment that allow to compare islands' four Blue Economy sectors under study (Tourism, Aquaculture, Maritime Transport and Energy), in terms of risk, vulnerability and exposure to climate change.
- ✓ The estimation of the socio-economic impacts of CC for the islands, through a newly combination of two macro models, and utilising non-market valuation methods.
- ✓ The co-assessment with local stakeholders of adaptation pathways, that are framed by the geographical, socio-economic conditions of each island, and the future CC scenarios.

To achieve this, a flow work and feeding information for successive stages was implemented. First, a sector-specific analysis was undertaken pivoting around the concept of Impact Chain (IPCC), the methodological tool that guided all the research stages. Second, the climatic projections were used as inputs to a range of diverse evaluation approaches to estimate direct economic impacts on the four blue economy sectors under analysis. Third, the estimated changes in these four sectors (energy consumption, tourism flows and infrastructure) have been used as inputs to assess the effects on other 14 sectors, GDP, investment, and employment. A participatory process involving local stakeholders allowed to produce precise and adapted information, taking into account the relationship between CC scenarios, biophysical impacts, and each island's specificities.

It should be remarked the granularity of the analysis and the advanced modelling work developed on an island-specific setting. Such complexity led to difficulties which affected the workflow, cause delays and required corrective actions. The transmission between the physical and climatologic sections and the socio-economic one was probably the most challenging task of SOCLIMPACT.

Main challenges addressed by the action were:

- Large geographical scope of 12 islands case studies in 9 different countries involving 24 partners with different backgrounds and languages.
- Data unavailability or low resolution data



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- Complex governance structure involving regional and sectoral bodies with their needs in the 12 islands
- Interdisciplinary work requirements from climate science to sectoral socioeconomics.
- Communication and dissemination of complex results to a non-expert audience.

Although the project addressed the problem of the lack of high-resolution data by expanding the Med-Cordex database and the size of the unpublished atmosphere-ocean coupled simulation, results obtained are still subject to uncertainties related to the intensity of climate impacts, mainly on the Atlantic Region and Renewable Energy Systems (demand and supply sides).

Moreover, the findings address only a subset of climatic change damages, namely those related to 4 Blue Economy sectors and in particular, the effects of seagrass loss, extreme temperature, forest fires, precipitation-evapotranspiration, and beach reduction on coastal tourism, the effect of cooling and desalination demand in electricity, and the effect of sea level rise on maritime infrastructure. Other types of slow onset or sudden-onset events that may be relevant to the islands have not been assessed. Although some positive economic effects of climate impacts may be identified by future analyses, as for example a lower demand for heating, these are not expected to counterbalance the various negative effects, particularly if extreme events and impacts on health are taken into consideration.

The economic effects of climate change on the 4 Blue Economy sectors were estimated with a range of diverse evaluation approaches:

- Tourism: Survey data collected at origin countries. The conditional logit (McFadden's choice) model has been applied to estimate how CC-induced impacts affect European tourists' expenditure in islands. Further analysis is dedicated to analyse the impacts on tourism arrivals, among other aspects.
- Tourism: Survey data collected at islands destinations. The conditional logit (McFadden's choice) model has been applied to estimate the willingness to pay (WTP) to reward adaptation policies in each island, as a measure of the economic impact of climate actions in each island.
- Maritime Transport: Projections of Sea Level Rise was utilised to estimate the cost of the interventions needed on each port element of some islands to keep operations. The KPO method allowed to identify the relevant ports to be analysed, obtain a scaled map of the port infrastructures, detailed information from experts on the interventions required.
- The primary indicators Cooling Degree Days (CDD) and the Standardised Precipitation-Evapotranspiration Index (SPEI) were utilised to explain future changes in the annual residential space cooling demand and in the annual energy demand required to desalinate seawater in some islands.
- Water temperature increase was utilise as input in a regression model to estimate changes in the annual biomass production of cultured species in some islands. We assume four main species cultured: Seabream (SB), Seabass (DL), Mediterranean Mussel (M) and Tuna (T).

In this vein, the main limitation of the action was the limited application of the non-market techniques, only available for the tourism sector.



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The project also investigates the impact of CC on the tourism sector by using an approach based on the analysis of Big Data, that can effectively complement more standard approaches (choice experiments). Findings open promising windows on how to methodologically approach the relationship between climate and tourism, at the same time providing food-for-thought for the project and for researchers willing to pursue this stream of investigation in the future.

In this stage, we only scratched the surface of Big Data and their application to the socio-economic consequences of CC. Some of the results are partially in contrast with the expected negative role that CC plays for the local economy. Specifically, we find that increases in the temperature are linked to increases in prices, bringing economic benefits to the tourism industry. However, this is not fully surprising and is in line with intuition, as people are more likely to spend time in beach destinations when higher temperatures or heat waves hit the territory. Apparently, this is more likely to happen in the future, due to the widely use of remote working and videoconferences boosted by the COVID-19 pandemic. This poses a question that must be addressed by future research: how to combine different methodologies and approaches in a unique estimate of changes in tourism expenditure in reaction to CC. Further research may apply more sophisticated analytical methods to these and other sources of data. For example, the network analysis, advanced machine learning, and exploiting GPS data of mobile phones to track tourists' mobility in response to climate events. In the same line of thought, the use of this "Big Data approach" to other Blue Economy sectors (e.g., the energy sector, for which Big Data could be available) should be considered as an important extension of this work.

For the macroeconomic assessment, the different theoretical frameworks employed for this analysis, an applied CGE and a post-Keynesian macroeconometric model, enhance the robustness of results. Both models confirm the negative effects of climate damages with comparable ranges of GDP losses. The combination of these different approaches in a common impact assessment framework is common for climate mitigation applications and often results in complementary but slightly divergent insights in terms of GDP impacts (i.e. small GDP gains with a macroeconometric approach and small GDP losses with a CGE model). The great heterogeneity of results among islands, scenarios and time horizons highlights the importance of downscaling climate projections and of adapting them to the different economic characteristics of the islands. In this respect, it is also important to underline that economic projections also substantially differ between islands of the same region (Mediterranean Sea; Atlantic Ocean), once more calling for specific in-depth investigation of each territory.

An important limitation of the project is related to the scope of the socio-economic analysis, framed within a group of eighteen theoretical climate change impacts chains. All the results pivot around specific risks that have been considered as priority concern for the 12 islands. This could lead to biased results in the estimation of the economic impacts as they do not consider climate change evolve over time. Although the range of uncertainty in the estimated economic values cannot be determined with precision, it can be expected that their magnitude will be larger if the projected physical impacts become accelerated or have larger consequences, and lower if those impacts become contained and limited.



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During the policy analysis, 300 local stakeholders were engaged and organised in multiple activities namely Local Working Groups. Three scenarios of Adaptation Policy Trajectories – APT – were used to address uncertainty in future policy developments. It was also necessary to harmonise and package lot of information, considering the project estimates, other empirical findings, and the local information and knowledge provided by these stakeholders. In this context, a set of adaptation options was proposed for all islands, grouped in three main objectives: (a) actions to reduce socio-economic vulnerability; (b) actions that address disaster risk reduction; and (c) actions that affect social-ecological resilience. The main questions to be addressed were related with which policy direction for adaptation policy should be implemented in the future (near future or far future) in the islands, according to the RCP scenarios under analysis.

In each island, the work groups were able to propose and rank other measures that were not included in the initial list. To do so, a flexible and robust tool was created. The framework implemented proved to be challenging to follow but resulted in an exercise that stakeholders recognised as useful. Doing this while considering adaptation policy uncertainty was in fact challenging but it may have paved the way for future working groups that need to consider it. The decisions provided throughout the framework should thus be considered as a focal point for future discussion between scientists, practitioners, and citizens in EU-Islands context.

Finally, future research can expand the macroeconomic assessment of climate damages on islands to further economic activities, beyond the Blue growth sectors, and to the evaluation of the benefits of tailored adaptation policies and strategies designed to counteract the expected impacts of climate change. Focus on the assessment of additional impact chains can be put, for example, on the agricultural sector. Econometric analysis for further identification of the determinants of tourism decision-making and destination selection. In order to carry out interregional comparable assessments in the future, behavioural changes in this regard should be further evaluated. Increasingly, future analysis should have a more integrated approach, breaking the current separation of climate change mitigation and adaptation analyses and measures. For the modelling of socioeconomic effects, this means various possibilities for expansion in the future. These include more detailed economic data and further integration of models for the islands with the national level. It is important to understand the islands' specific socio-economic trends and challenges for the future.

Some critical issues remain, leaving room for future progress in research, in particular with regard to: i) the modelling of large uncertainty in some regions (Atlantic) and results (PV and WIND productivity) that provide more straightforward policy indications, ii) the estimation of nonmarket values across all Blue Economy sectors, iii) a systemic integrated perspective in the assessment of climate change impacts in the islands region, capturing trade-offs, synergies and co-benefits between adaptation and mitigation options, iv) the supply and demand dynamics and game changers in the scenarios/transition pathways impacted by climate change in the selected islands, v) the bias towards the assessment of negative and positive climate change impacts, vi) the transferability of the selected islands results to European coastal areas.



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APPENDICES



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APPENDIX 1

Final Program



23rd
march
2021
10:00 CET time

FIRST EUROPEAN ISLANDS SUMMIT ON CLIMATE CHANGE



Live in



AGENDA - (From 10:00 to 12:30 CET time)

10:00 - 10:15

WELCOME

- Mr. Christos Economou** (Head of Unit, DG MARE, European Commission)
Mr. Manuel Carmona Yebra (Policy officer, DG Clima, European Commission)
Mr. Thomas Vyzikas (Project Adviser, European Commission)
Mr. José Antonio Valbuena Alonso (Minister of Ecological Transition and CC, Canary Is.)
Ms. Teresa Berástegui Guigou (Vice Minister of Tourism, Canary Is.)
Mr. Anil Markandya (Soclimpact, Advisory Board Member)
Mr. Lluís Serra Majem (Rector, University of Las Palmas de Gran Canaria)

10:15 - 10:30

SOCCLIMPACT MILESTONES AND FUTURE CHALLENGES

- Soclimpact Project presentation (video)
Mr. Carmelo J. León (Project Coordinator)

10:30 - 10:45

SOCCLIMPACT: RESULTS AND POLICY IMPLICATIONS

- Mr. Ghislain Dubois** (Ramboll, France)
Mr. Gianmaria Sannino (ENEA, Italy)
Mr. Carmelo León (ULPGC, Spain) / **Mr. Matías González** (ULPGC, Spain) / **Mr. Miguel Angel Gaertner** (UCLM, Spain)
Ms. Zoi Vrontisi (E3-MODELLING IKE, Greece)
Mr. Hugo P. Costa (F.Ciencias ID, Portugal)

10:45 - 10:55

TOURISM AND TRANSPORT

- Mr. Francisco Santos-Jara** (United Nations Developed Program - UNDP)
Mr. Eduardo Santander (European Travel Commission)
Mr. Tim Fairhurst (European Tourism Association - ETOA)
Mr. Alejandro Cardenete (Network of European Regions for Sustainable Competitive Tourism - NESTOUR)

10:55 - 11:05

CPMR AND UFM COMMISSIONS

- Mr. Francesco Catte** (Conference of Peripheral Maritime Regions - CPMR)
Mr. Isidro González (Union for the Mediterranean - UFM)

11:05 - 11:15

ENERGY AND AQUACULTURE

- Mr. Jan Cornillie** (Clean Energy for EU Islands Secretariat)
Ms. Ulrike Lehr (International Renewable Energy Agency - IRENA)
Mr. Javier Ojeda (Spanish Professional Aquaculture Association, APROMAR)

11:15 - 11:30

BREAK

11:30 - 11:50

AZORES, BALEARIC ISLANDS, FEHMARN, CANARY ISLANDS, CORSICA, CRETE

Islands Focal Points and Stakeholders / Questions and Answers

11:50 - 12:10

CYPRUS, MADEIRA, MALTA, SARDINIA, SICILY, WEST-INDIES

Islands Focal Points and Stakeholders / Questions and Answers

12:10 - 12:20

SOCCLIMPACT: THE NEW CLIMATE SERVICES

- VIRTUAL REALITY VIDEO: Dunas de Maspalomas, Gran Canaria, Spain
REIS platform and Adaptation Support Tool for Islands (video)

12:20 - 12:30

SOCCLIMPACT FUTURE & DECLARATION OF THE CANARY ISLANDS

- Mr. Marcelo Mautone** (Soclimpact Project Manager)
Mr. Carmelo J. León (Project Coordinator)



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APPENDIX 2

The Canary Islands Declaration



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Union's Horizon 2020 research
and innovation programme
under grant agreement No
776681.

DECLARATION OF CANARY ISLANDS

23rd march
2021

FIRST EUROPEAN ISLANDS
SUMMIT ON **CLIMATE CHANGE**

www.soclimpact.net



Towards a common framework for Climate Collaborative Governance

Supported by academics, stakeholders and representatives from [SOCLIMPACT project](#) that involved 12 EU islands and outermost regions, this Declaration, is intended to lead pathways for adaptation and collaborative climate governance for archipelagos.

Islands and archipelagos face an added challenge in the context of climate change impacts, due to their **ecosystems fragility**, the increased number and severity of extreme weather events, the isolation and lack of scale economies, as well as the lower degree of resilience compared to continental regions.

This declaration seeks to highlight the following

Principles:

- Europe's islands are fragile, **unique ecosystems** that are natural heritage of all Europeans.
- Europe's islands face common climate risks as recognised in **the New EU Strategy on Adaptation to Climate Change**, (Brussels, 24.2.2021 COM (2021) 82 final): "*Although the local specificity of adaptation often makes comparison difficult, it can be made for areas crossing several borders with common climate risks*", which includes, besides river basins and mountainous areas, "*the islands, or the outermost regions (which are particularly vulnerable to climate change)*".
- European research and **knowledge transfer programs** (including solutions, procedures, behaviours, policies, etc.) **are imperative tools** to improve resilience to climate change collaborative governance for all islands. Not all EU countries have sufficient capacity to address the challenges posed by climate change, mostly in outermost regions.

- + Adaptation solutions for islands territories have potential to contribute to the EU adaptation policy, **complementing the existing approach** for continental coastal areas, in line with the New EU Strategy on Adaptation to Climate Change, which recognises that *“Even if adaptation challenges are local and specific, solutions are often widely transferable and applicable on a regional, national or transnational scale.”*
- + An EU specific approach is important to technically and financially assist the most vulnerable islands and archipelagos, while encouraging national commitment and contributions. Funding is needed for adaptation and mitigation in islands that require large investments to significantly reduce their dependence from the exterior, namely on fossil fuels and food.
- + There must be a **differentiated responsibility of countries to financially assist** the most vulnerable islands and archipelagos in the EU, while encouraging national contributions. Funding is needed for adaptation and mitigation in islands that require large investments to significantly reduce their dependence on fossil fuels.

 **Incentives and penalties** should guide national and local actions, while respecting each region's conditions and singularities, but also taking into account its progress and regressions. The setting of islands objectives and targets should be clearly supervised and monitored by EU authorities to promote their commitment and action on climate change mitigation and adaptation.

The adherents to this Declaration agree to the following

Commitments:

-  Actively contribute, with their local, regional and national capacities, to build a **Network of European Islands for Climate Change action**, which addresses common challenges related to knowledge (research, development and innovation), national and European responsibilities (policy makers), social participation and awareness.
-  Promote **Open Access to information**. The data generated will be "FAIR": findable, accessible, interoperable and reusable. Data collected and produced will be available through SOCLIMPACT tools (REIS) and linked to other EU platforms.

-  **Participation and engagement** – enhance the participatory bottom-up approach beyond the project, engaging policy makers, stakeholders and public audience towards a multi-level collaborative governance for islands, and promote synergies with other EU programs and networks.
-  Support, promote and actively participate in the **formulation of laws and regulations** towards climate-neutrality in islands. In the absence of specific regulations, encourage the general principles of **precaution and prevention**, pursuing a better quality of life without compromising the sustainable development of future generations.
-  Periodically **monitor and report islands climate change programs**, projects, initiatives and best practices in order to maintain a common repository of information to supports the decision-making process on adaptation and mitigation policies.
-  Contribute to the **SOCLIMPACT Expert Panel**, from the individual and institutional capacities, for discussion of common challenges, active funding search for horizontal cooperation projects (between islands), and researcher's mobility within the European Union.

Adherents organisations and individuals:

<https://soclimpact.net/partners>





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APPENDIX 3

Schedule



TOPIC	PRESENTER	ROL
Intro	Master of Ceremony	Participants (Backstage)
WELCOME	Christos Economou (DG MARE, European Commission)	Recorded video
	Manuel Carmona Yebra /DG Clima, European Commission	Recorded video
	Master of Ceremony	Participants (Backstage)
	Thomas Vyzikas /Project Adviser, European Commission	Participants (Backstage)
	Master of Ceremony	Participants (Backstage)
	Mr. José Antonio Valbuena Alonso (Minister of Ecological Transition, Fight against Climate Change and Territorial Planning, Canary Is.)	Participants (Backstage)
	Master of Ceremony	Participants (Backstage)
	Teresa Berástegui Guigou / Vice Ministry of Tourism of the Canary Islands	Participants (Backstage)
	Master of Ceremony	Participants (Backstage)
	Anil Markandya , Advisory Board member	Participants (Backstage)
Transition	Master of Ceremony	Participants (Backstage)
	Lluís Serra Majem Rector, University of Las Palmas de Gran Canaria	Recorded video
Transition	Master of Ceremony	Participants (Backstage)
SoClimpact: Milestones and future challenges	Video: SoClimpact Project presentation	Recorded video
	Carmelo J. León/ SoClimpact Project Leader	Participants (Backstage)
Transition	Master of Ceremony	Participants (Backstage)
SoClimpact Results and implications	WP3: Gishlain Dubois	Recorded videos
	WP4: Gianmaria Sannino	Recorded videos
Transition	Master of Ceremony	Participants (Backstage)
SoClimpact Results and implications	WP5: Carmelo León / Matías González/ Miguel Angel Gaertner,	Recorded videos
	WP6: Zoi Vrontisi	Recorded videos
	WP7: Hugo P. Costa	Recorded videos
Transition	Master of Ceremony	Participants (Backstage)
TOURISM AND TRANSPORT	Francisco Santos-Jara (United Nations Developed Program-UNDP)	Recorded video



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	Eduardo Santander / European Travel Commission Tim Fairhurst (European Tourism Association-ETOA)	Recorded video
	Mr. Alejandro Cardenete (Network of European Regions for Sustainable Competitive Tourism - NESTOUR)	Recorded video
Transition	Master of Ceremony	Master of Ceremony
CPMR and UFM Commissions	Franceso Catte (CPMR Islands Commission) Isidro González (Environment and Blue Economy Division, UFM)	Recorded video
Transition	Master of Ceremony	Master of Ceremony
ENERGY AND AQUACULTURE	Jan Cornillie (Clean Energy for EU Islands Secretariat) Ulrike Lehr (International Renewable Energy Agency - IRENA) Javier Ojeda (European Commission Advisory Committee of Fisheries and Aquaculture)	Recorded video
Transition	Master of Ceremony	Master of Ceremony
BREAK	BREAK	
Transition	Master of Ceremony	Master of Ceremony
Azores, Balearic Islands. Fehmarn. Canary Islands. Corsica. Crete	Soclimpact Island Focal Points / stakeholders / questions and answers	12 islands - platvirtual (Green Room)
Transition Q/A	Master of Ceremony	Master of Ceremony
Fehmarn. Canary Islands. Corsica. Crete	Soclimpact Island Focal Points / stakeholders / questions and answers	12 islands - platvirtual (Green Room)
Transition	Master of Ceremony	Master of Ceremony
Cyprus. Madeira. Malta. Sardinia. Sicily. West-Indies	Soclimpact Island Focal Points / stakeholders / questions and answers	12 islands - platvirtual (Green Room)
Transition Q/A	Master of Ceremony	Master of Ceremony
Cyprus. Madeira. Malta. Sardinia. Sicily. West-Indies	Soclimpact Island Focal Points / stakeholders / questions and answers	12 islands - platvirtual (Green Room)
Transition	Master of Ceremony	Master of Ceremony
SOCLIMPACT: The new climate services	VIRTUAL REALITY VIDEO: Dunas de Maspalomas, Gran Canaria, Spain	Recorded video
Transition Q/A	Master of Ceremony	Master of Ceremony
SOCLIMPACT: The new climate services	REIS platform and Adaptation Support Tool for Islands	Recorded video
Transition	Master of Ceremony	Master of Ceremony
Soclimpact future & Declaration of the Canary Islands	Marcelo Mautone / Soclimpact Project Manager	Participants (Backstage)
	Mr. Carmelo J. León (Project Coordinator)	Participants (Backstage)
final	Master of Ceremony	Master of Ceremony



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APPENDIX 4

Graphic schedule



SOCLIMPACT

The event is about to start

TIME: 09:55 - 10:00

TOPIC: Video recorded

PRESENTER: Still frame with music

ROL: Pre-show



SOCLIMPACT

TIME: 10:00

TOPIC: Video recorded

PRESENTER: Intro

ROL: Intro

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:00 - 10:03

TOPIC: Welcome

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Christos Economou / Manuel Carmona

ROL: Recorded video

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)



SOCLIMPACT



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Graphic Schedule - SOCLIMPACT. 23rd march 2021

The graphic schedule features four participant portraits arranged in a grid. The top-left portrait shows a man with dark hair and a beard, wearing glasses and a headset, smiling. The top-right row contains two portraits: a middle-aged man with grey hair and glasses, and a younger Black man with short hair and a beard, both smiling. The bottom-left portrait shows a woman with long brown hair, smiling. The background is white with abstract, overlapping curved bands in various colors (blue, green, yellow, red, pink) on the right side.



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Thomas Vyzikas

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)



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Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Mr. José Antonio Valbuena Alonso

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)



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Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Teresa Berástegui Guigou

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)



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under grant agreement No
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Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Anil Markanya

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:03 - 10:15

TOPIC: Welcome

PRESENTER: Lluís Serra Majem

ROL: Recorded video

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:15 - 10:30

TOPIC: Transition

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)



SoClimPact project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 776661

TIME: 10:15 - 10:30

TOPIC: Video

PRESENTER: Soclimpact Project presentation

ROL: Recorded video

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:15 - 10:30

TOPIC: Soclimpact: Milestones and future challenges

PRESENTER: Carmelo J. León / Soclimpact Project Leader + PPT

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:30 - 10:45

TOPIC: Transition

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:30 - 10:45

TOPIC: Soclimpact Results and implications

PRESENTER: Soclimpact Work Packages' Leaders

ROL: Recorded videos (WP3, WP4)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:30 - 10:45

TOPIC: Transition

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:30 - 10:45

TOPIC: Soclimpact Results and implications

PRESENTER: Soclimpact Work Packages' Leaders

ROL: Recorded videos (WP5, WP5_1, WP6, WP7)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:45 - 10:55

TOPIC: Tourism and transport

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:45 - 10:55

TOPIC: Tourism and transport

PRESENTER: Francisco Santos-Jara / Eduardo Santander / Tim Fairhurst / Mr. Alejandro Cardenete

ROL: Recorded video

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:55 - 11:05

TOPIC: CPMR and UFM Commissions

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 10:55 - 11:05

TOPIC: CPMR and UFM Commissions

PRESENTER: Francesco Catte / Isidro González

ROL: Recorded video

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:05 - 11:15

TOPIC: Energy and aquaculture

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)



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Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:05 - 11:15

TOPIC: Energy and aquaculture

PRESENTER: Jan Cornillie / Ulrike Lehr / Javier Ojeda

ROL: Recorded video

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:15 - 11:30

TOPIC: Break transition

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



SOCLIMPACT

Back in 14:58

TIME: 11:15 - 11:30

TOPIC: Break

PRESENTER: Video

ROL: Recorded video

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:30 - 11:50

TOPIC: Transition

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:30 - 11:50

TOPIC: Soclimpact Island Focal Points / stakeholders / questions and answers

PRESENTER: Azores (Backstage), Balearic Islands. Fehmarn (Backstage). Canary Islands. Corsica. Crete

ROL: 11 islands - platvirtual (Green Room) + Participants (Backstage)

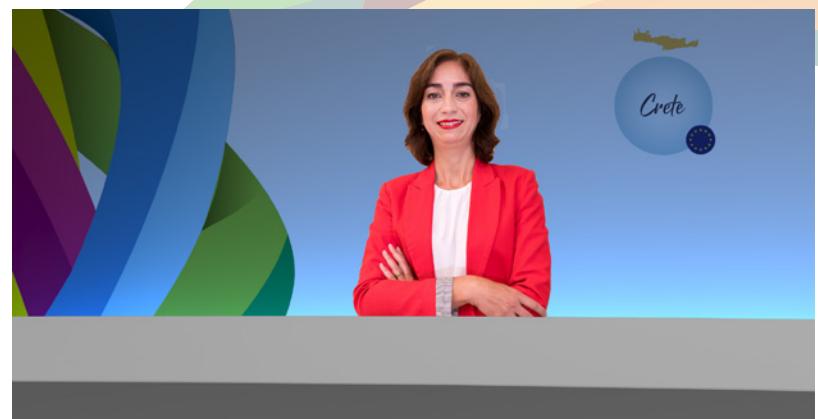


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Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:30 - 11:50

TOPIC: Zoom in / zoom out as needed

PRESENTER: Soclimpact Island Focal Points / stakeholders / questions and answers

ROL: 11 islands - platvirtual (Green Room) + Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:30 - 11:50

TOPIC: Transition Q&A

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:30 - 11:50

TOPIC: Soclimpact Island Focal Points / stakeholders / questions and answers

PRESENTER: Fehmarn (Backstage). Canary Islands. Corsica. Crete

ROL: 11 islands - platvirtual (Green Room) + Participants (Backstage)

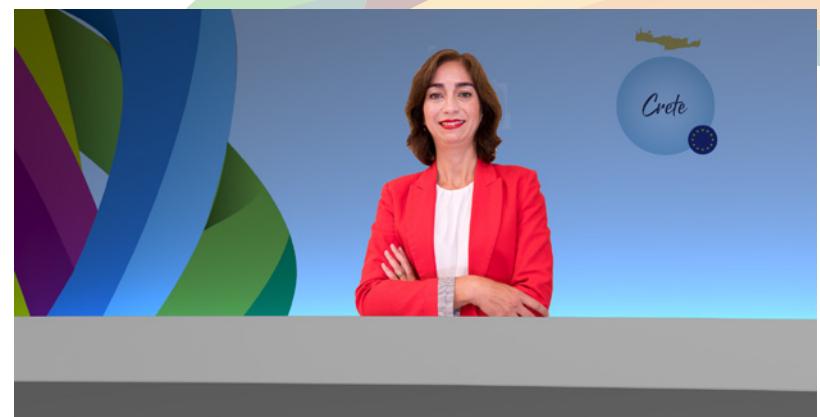


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Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:30 - 11:50

TOPIC: Zoom in / zoom out as needed

PRESENTER: Soclimpact Island Focal Points / stakeholders / questions and answers

ROL: 11 islands - platvirtual (Green Room) + Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:50 - 12:10

TOPIC: Transition

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:50 - 12:10

TOPIC: Soclimpact Island Focal Points / stakeholders / questions and answers

PRESENTER: Cyprus. Madeira. Malta. Sardinia. Sicily. West-Indies

ROL: 11 islands - platvirtual (Green Room)



SOCLIMPACT



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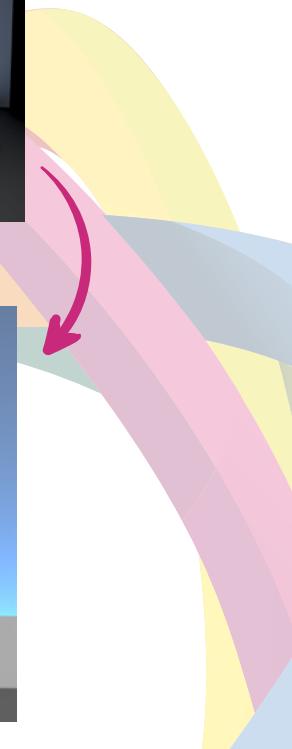
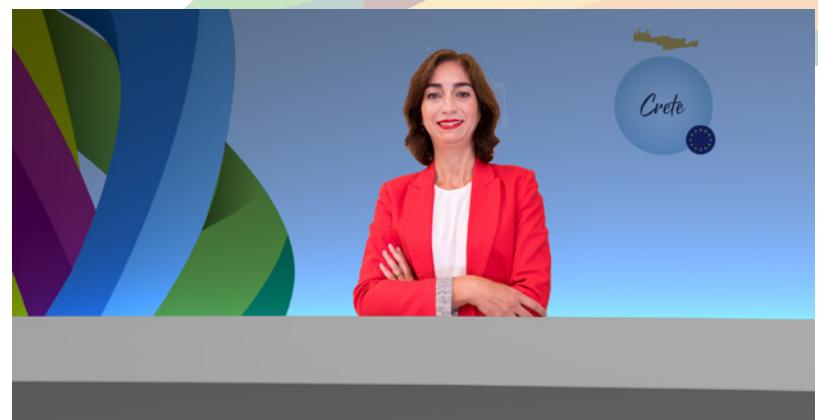
Graphic Schedule - SOCLIMPACT. 23rd march 2021



static logo / ppt
or preview



static logo / ppt
or preview



TIME: 11:50 - 12:10

TOPIC: Zoom in / zoom out as needed

PRESENTER: Soclimpact Island Focal Points / stakeholders / questions and answers

ROL: 11 islands - platvirtual (Green Room)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:50 - 12:10

TOPIC: Transition Q&A

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:50 - 12:10

TOPIC: Soclimpact Island Focal Points / stakeholders / questions and answers

PRESENTER: Cyprus. Madeira. Malta. Sardinia. Sicily. West-Indies

ROL: 11 islands - platvirtual (Green Room)

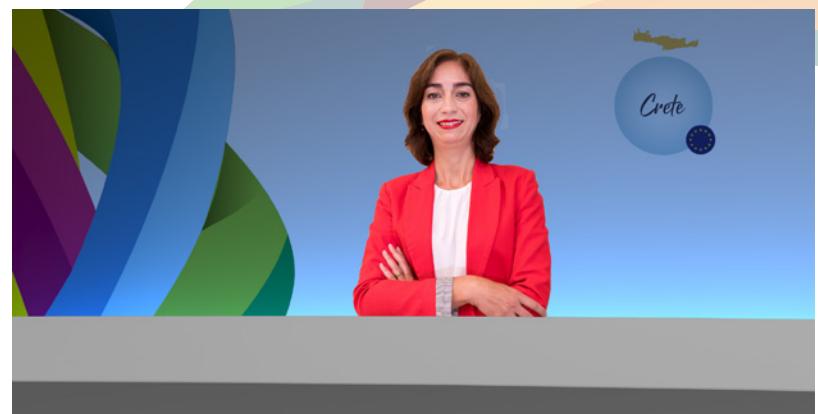


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Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 11:50 - 12:10

TOPIC: Zoom in / zoom out as needed

PRESENTER: Soclimpact Island Focal Points / stakeholders / questions and answers

ROL: 11 islands - platvirtual (Green Room)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 12:10 - 12:20

TOPIC: Transition

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

VR video

TIME: 12:10 - 12:20

TOPIC: SOCLIMPACT: The new climate services

PRESENTER: VIRTUAL REALITY VIDEO: Dunas de Maspalomas, Gran Canaria, Spain

ROL: Recorded video

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 12:10 - 12:20

TOPIC: Transition

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



The Regional Exchange Information System (REIS) is an open and multidisciplinary platform for islands, in which policy makers, industry and the research communities can interact.

TIME: 12:10 - 12:20

TOPIC: SOCLIMPACT: The new climate services

PRESENTER: REIS platform and Adaptation Support Tool for Islands

ROL: Recorded video

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 12:20 - 12:30

TOPIC: Transition

PRESENTER: Master of Ceremony

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



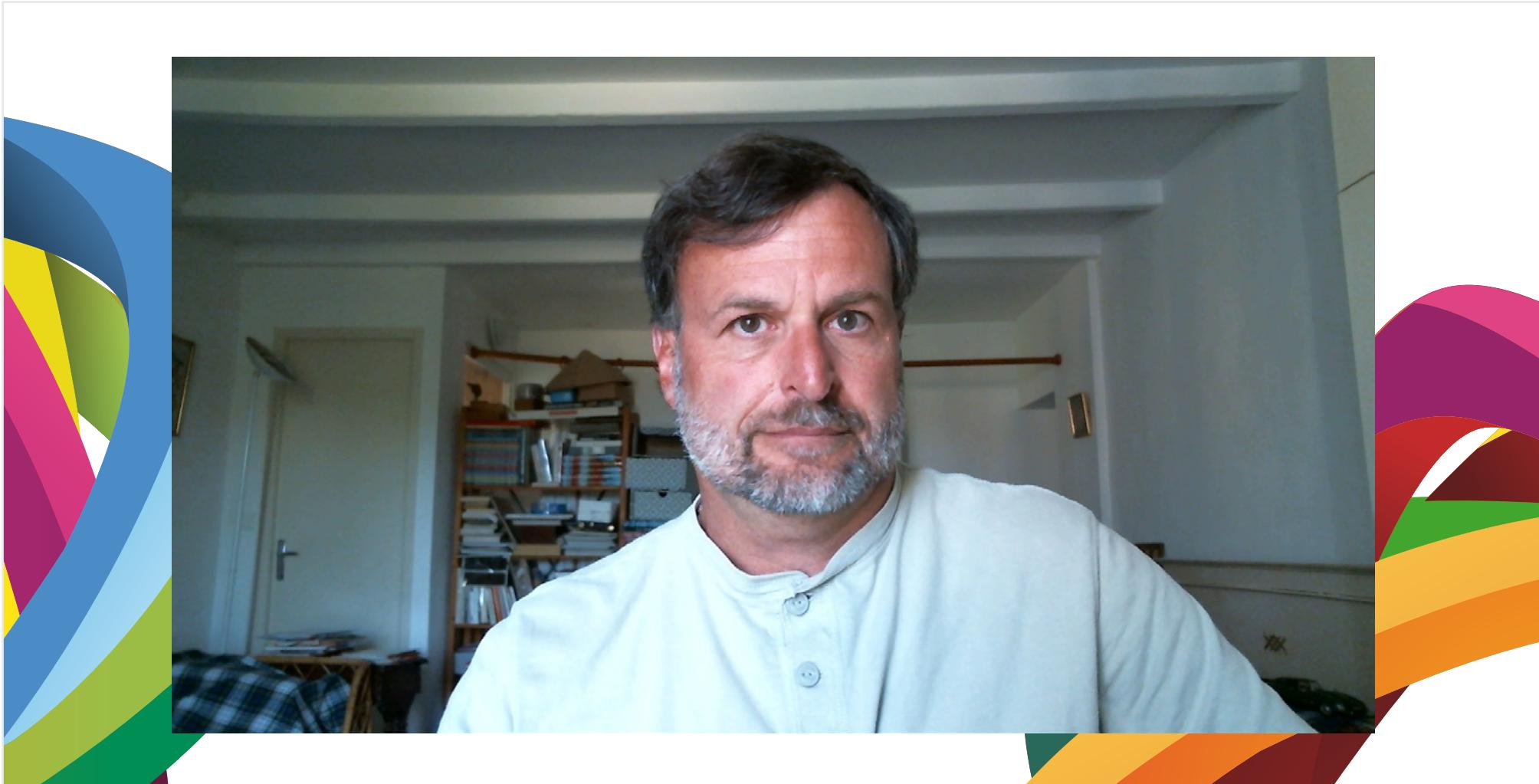
TIME: 12:20 - 12:30

TOPIC: Declaration of the Canary Islands

PRESENTER: Marcelo Mautone + PPT

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 12:20 - 12:30

TOPIC: Soclimpact future

PRESENTER: Jose A. Valbuena

ROL: Participants (Backstage)

Graphic Schedule - SOCLIMPACT. 23rd march 2021



TIME: 12:20 - 12:30

TOPIC: Farewell

PRESENTER: Master of Ceremony

ROL: Participants (Backstage) + 11 islands - platvirtual (Green Room)



SOCLIMPACT

Thanks

TIME: 12:30

TOPIC: Video recorded. Hold at end (Still frame) Thank you

PRESENTER: Still frame with music

ROL: Post-show

Typical mistakes when your signal is broken





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APPENDIX 5

Email invitation



Dear

We are pleased to invite you to the **FIRST EUROPEAN ISLANDS SUMMIT ON CLIMATE CHANGE** which will take place next **23rd March, 2021**.

Engage with this open debate between academics, representatives of 12 EU islands and outermost regions and panellists of the European Commission that will analyse co-benefits and time-lead pathways for adaptation to build more resilient archipelagos.

A hot topic of discussion will be the Regional Exchange Information System ([REIS](#)) and the [Adaptation Support Tool for Islands](#), a climate service developed by the Soclimpact project.

Formal details and invitation will follow.

INSCRIPTIONS [HERE](#).

Best regards,

Carmelo J. León
Coordinador del Proyecto Soclimpact
Catedrático Universidad de Las Palmas de Gran Canaria



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No776661

SOCLIMPACT



Director del Instituto de Turismo y Desarrollo Económico Sostenible (TIDES)"

APPENDIX 6

Project Coordinator Presentation



SOCLIMPACT



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Research and Innovation Programme under
Grant Agreement No 77661

SOCLIMPACT Final Conference

First European Islands Summit on Climate Change

March 23rd, 2021

Carmelo J. León, Coordinator
ULPGC – University of Las Palmas de Gran Canaria

SOCLIMPACT GOALS

*Downscaling CC effects
and their socioeconomic
impacts in European islands
for 2030–2100,
in the context of the EU
Blue Economy sectors*



Horizon 2020
European Union Funding
for Research & Innovation

Facilitating policy decision making
for Blue Growth: ranking and mapping
appropriate adaptation strategies.

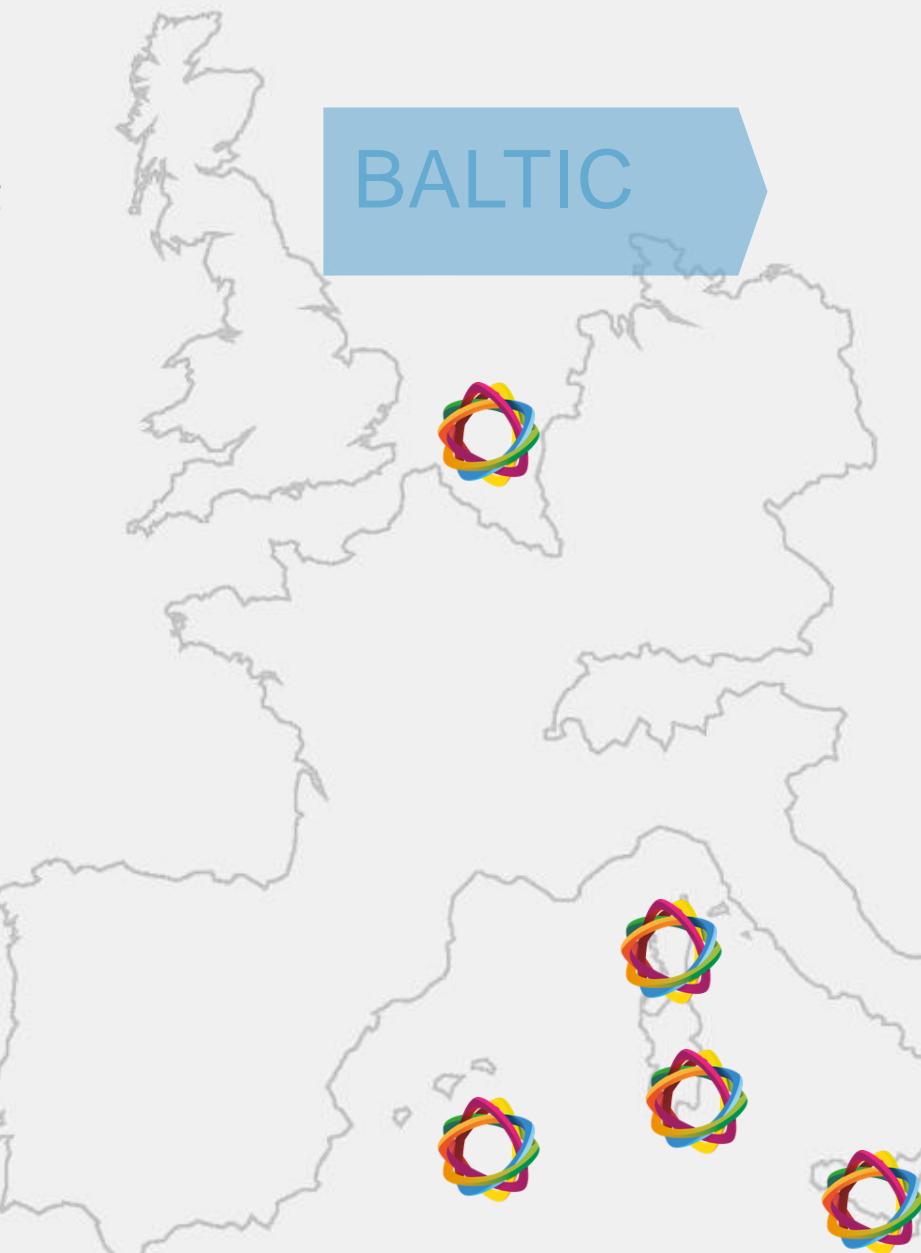
ATLANTIC

Information about impact chains:
how CC will impact the EU islands

CARIBBEAN

Improvement of the economic
valuation of climate impacts

BALTIC



Economic modelling
of climate impact chains
(GINFORS, GEM-E3
and non-market indicators)

Spatial resolution of available
projections science-based
information about the economic
impacts

MEDITERRANEAN



CHALLENGES addressed

Large geographical scope of 12 islands in 9 different countries involving 24 partners with different backgrounds.



The SoClimPact project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 776661



CHALLENGES addressed

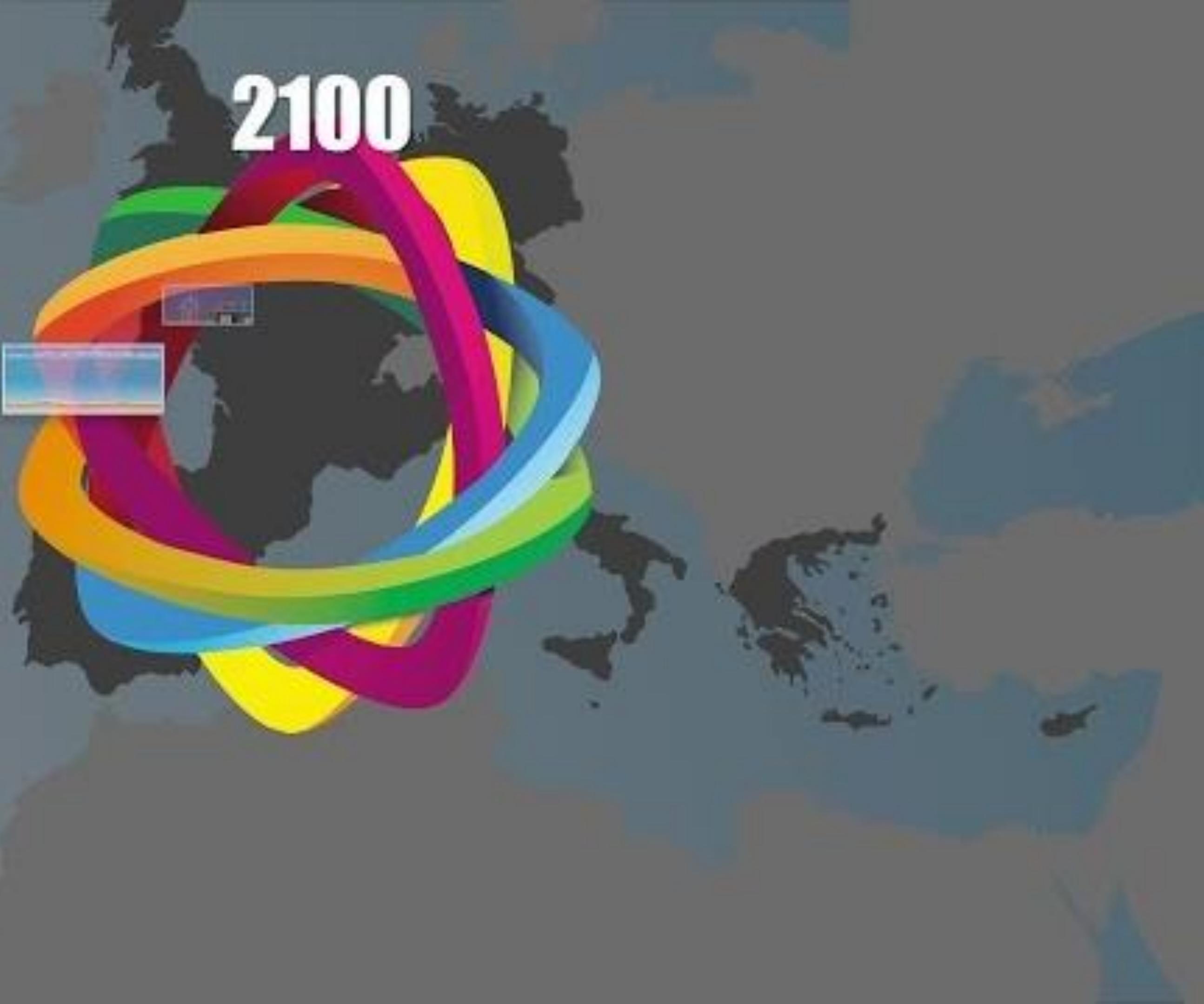
Complex governance structure
involving regional and sectoral
bodies and needs.

Interdisciplinary work
requirements from climate science
to sectoral socioeconomics.

Flow work and feeding information
for successive stages in the project.

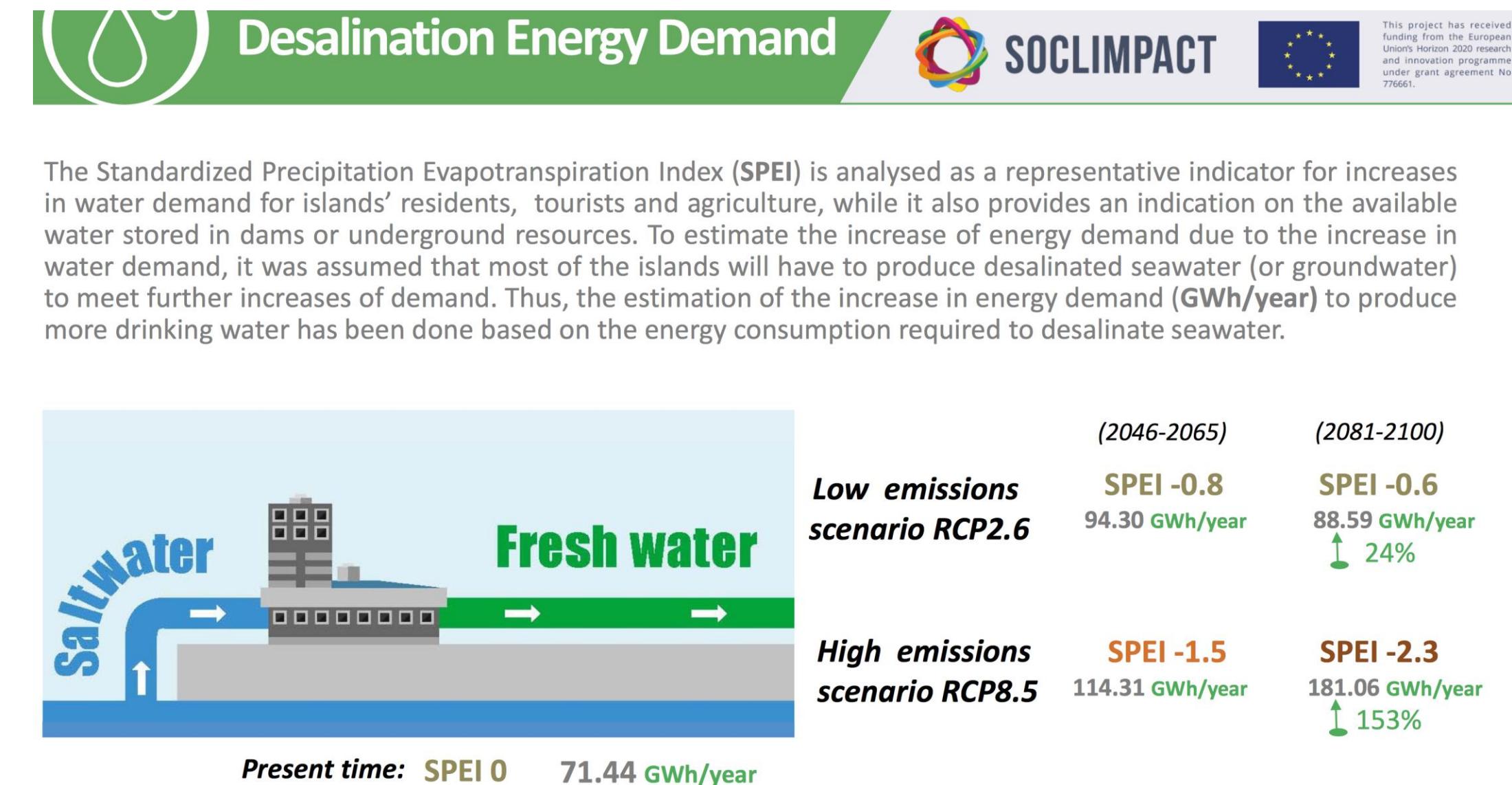
Communication and dissemination
of complex results.





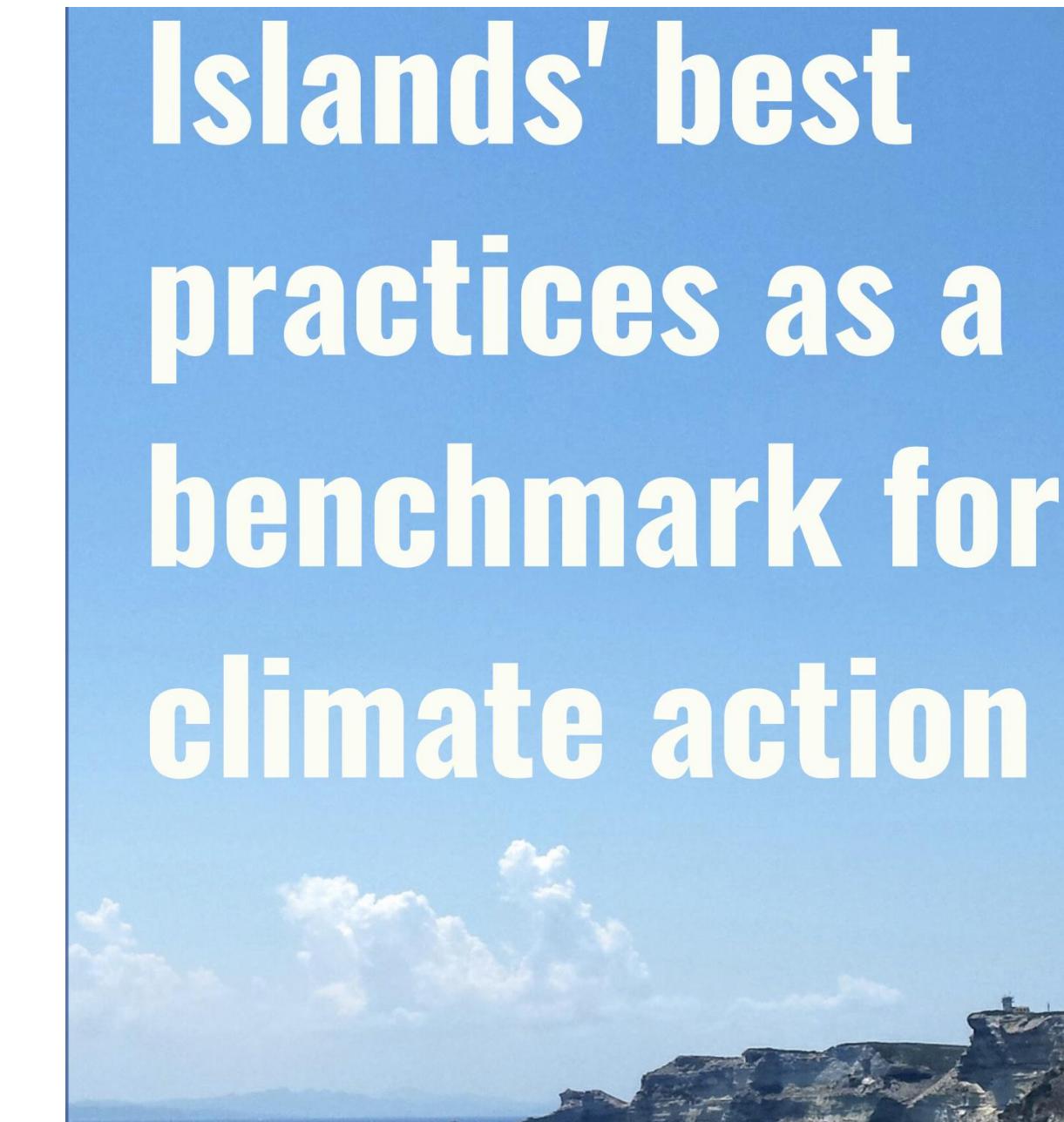
NOVELTY: Correlate CC scenarios, biophysical impacts and island socio-economic conditions

The project offers a **wealth of information** of downscaled projections of climate change, its sectoral impact chains, and sectoral and socioeconomic impacts on islands of European Union.



NOVELTY

Participatory process policy design involving 12 regional island organisations, stakeholders and academics to develop accurate and adapted climate change projections for EU islands, and to correlate the relationships between CC scenarios, biophysical impacts and island socio-economic conditions.



Islands' best practices as a benchmark for climate action



NOVELTY

The project addressed the problem of the lack of high-resolution data by **expanding the Med-Cordex database** and the size of the **unpublished atmosphere-ocean coupled simulations**.



THE AZORES ISLANDS. HOW DO TOURISTS REACT TO CLIMATE CHANGE?

In order to analyse the reactions of tourists to the impacts of climate change and the preferences for adaptation policies, several hypothetical situations were posed to 300 tourists



MADEIRA - HOW DO TOURISTS REACT TO CLIMATE CHANGE?

In order to analyse the reactions of tourists to the impacts of climate change and the preferences for adaptation policies, several hypothetical situations were posed to 252 tourists



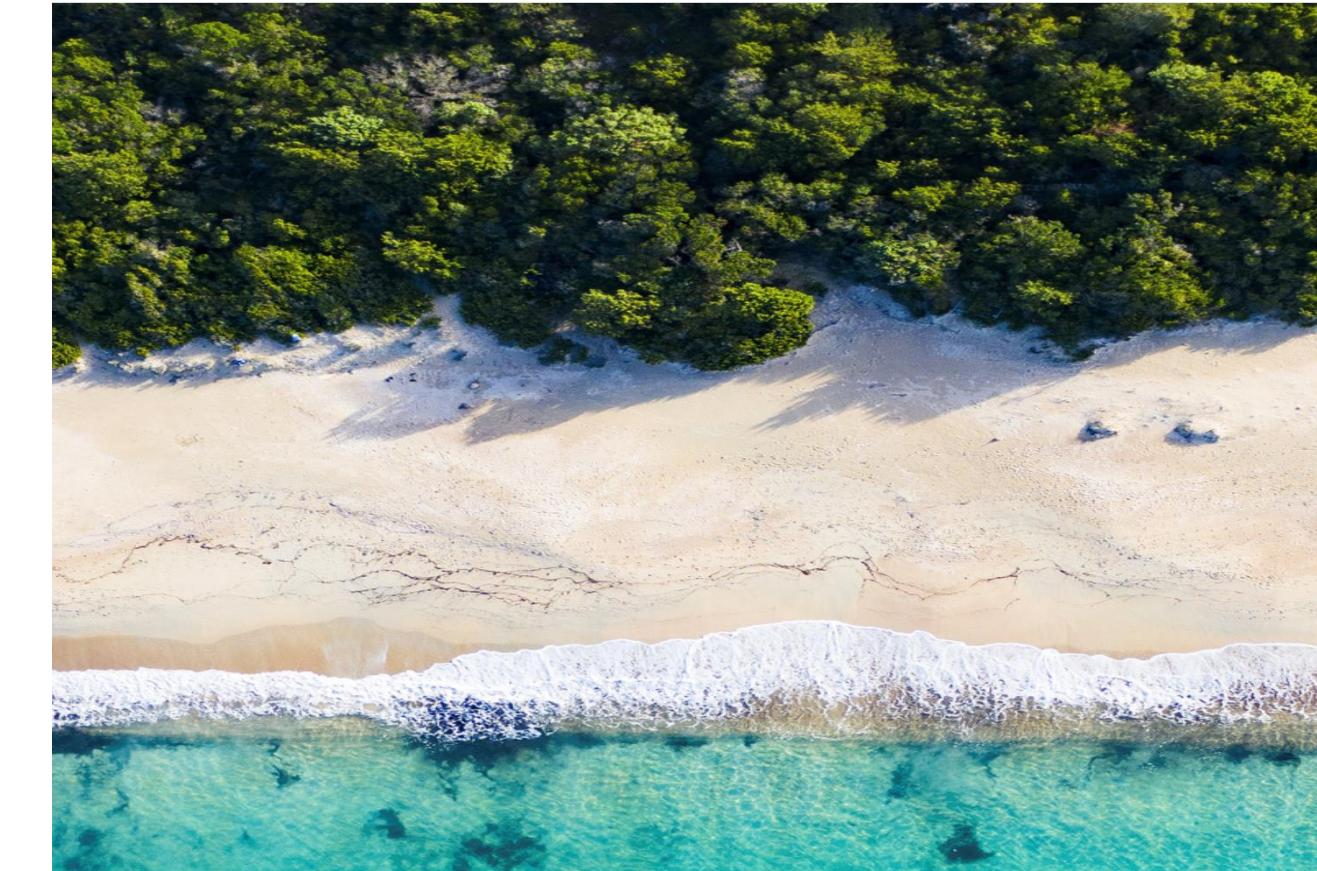
FEHMARN - HOW DO TOURISTS REACT TO CLIMATE CHANGE?

In order to analyse the reactions of tourists to the impacts of climate change and the preferences for adaptation policies, several hypothetical situations were posed to 196 tourists



NOVELTY

While the Mediterranean region is sufficiently covered by available wave and tidal data, climatological datasets describing tides in the Atlantic Ocean, and specifically for the islands analysed, are generally lacking. **Specific new simulations have been carried out, with satisfactory results.**



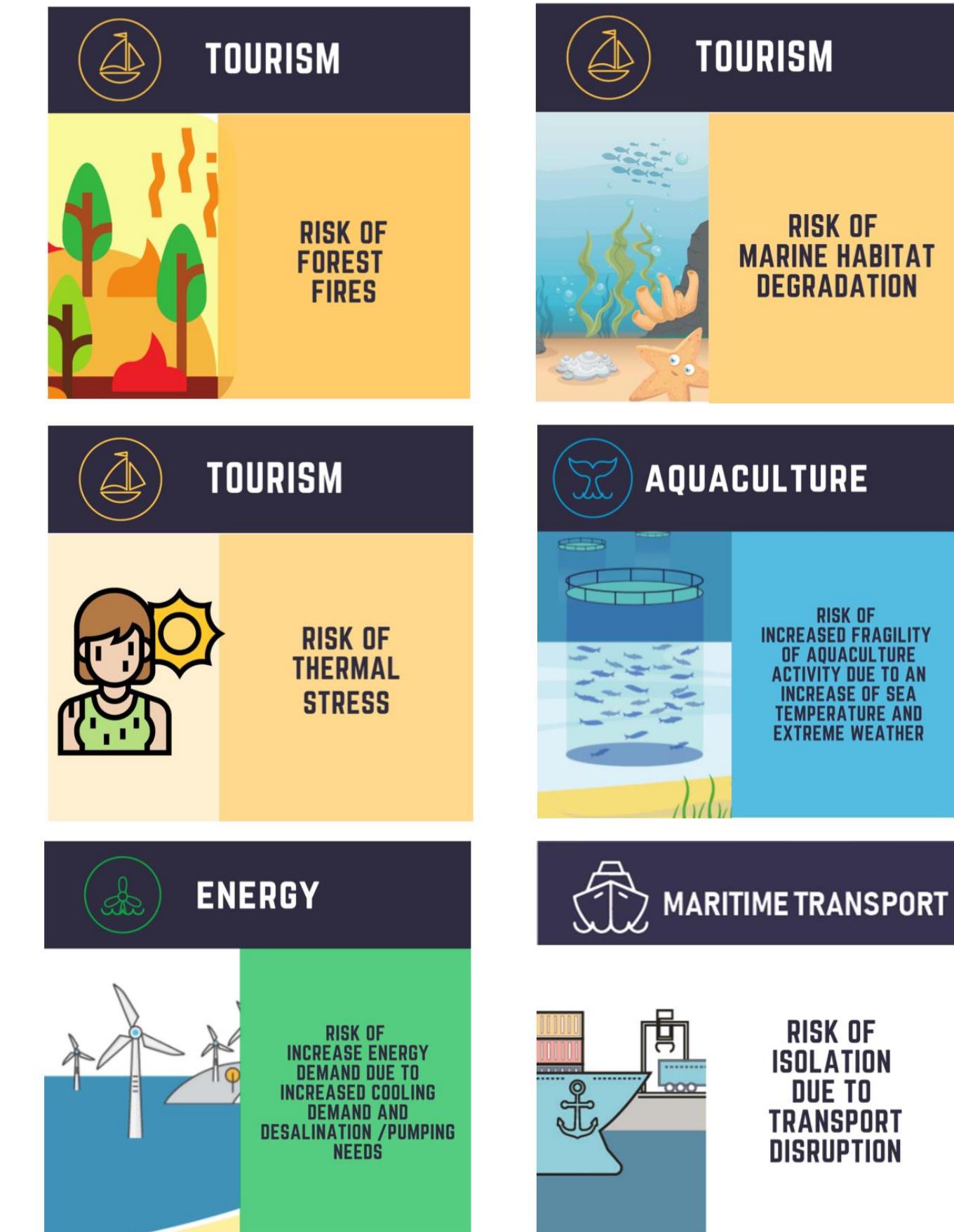
ACHIEVEMENTS

- ✓ **Downscaled projections** of climate change risks (sea level rise, flooding, beach losses, seagrass evolution, fire dangers, infectious disease outbreaks, among others) for two scenarios RCP2.6 (low emissions scenario) and RCP8.5 (high emissions scenario) and different time horizons, namely a baseline period (1965-2005), mid-century (2046-2065) and end of century (2081-2100).



ACHIEVEMENTS

- ✓ An iterative risk assessment which aims not only to assess the risk, but also to monitor vulnerability and exposure, which evolve over time and respond to human interventions.



ACHIEVEMENTS

- ✓ The analysis of economic valuation of potential economic impacts on the four blue economy sectors, taking into account specific hazards and risks, utilizing discrete choice experiments and value transfer techniques.



ONLINE SURVEYS (FREQUENT TRAVELLERS) / 2538 EU CITIZENS

Nº OVERNIGHT TRIPS PER YEAR

x3

NET MONTHLY INCOME



SOCIO-DEMOGRAPHIC CHARACTERISTICS

GENDER

MALE 48% FEMALE 52%

EDUCATION LEVEL

24% 29% 27% 16%

AGE

17% 58% 25%

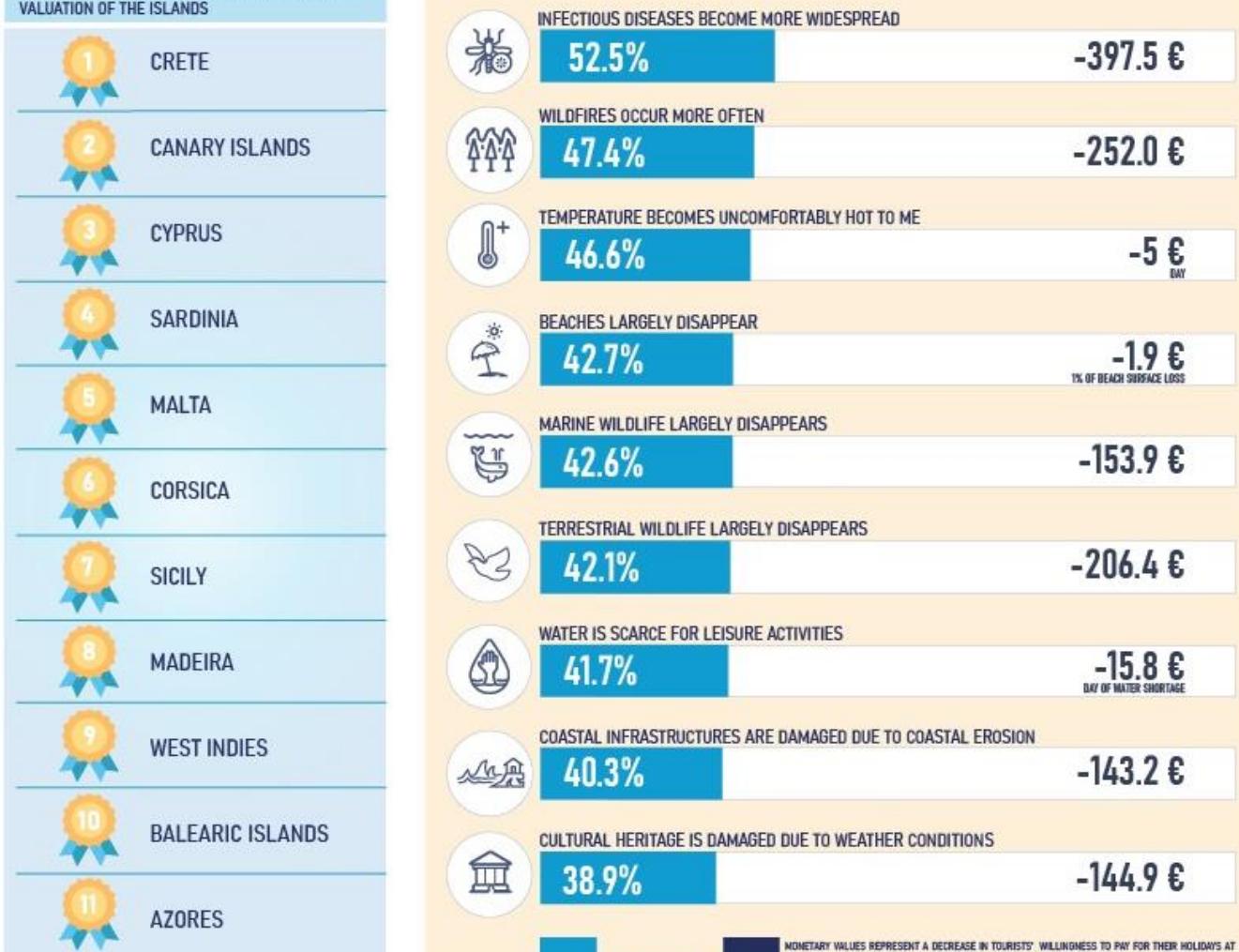
58% 25%

RANKING ISLANDS DESTINATIONS' IMAGE

THIS RANKING IS BASED ON TOURISTS' CURRENT VALUATION OF THE ISLANDS

1	CRETE
2	CANARY ISLANDS
3	CYPRUS
4	SARDINIA
5	MALTA
6	CORSICA
7	SICILY
8	MADEIRA
9	WEST INDIES
10	BALEARIC ISLANDS
11	AZORES

TOURISTS' DISPOSITION TO STAY AT HOME AND WILLINGNESS TO PAY FOR VISITING ISLANDS POTENTIALLY AFFECTED BY CLIMATE CHANGE



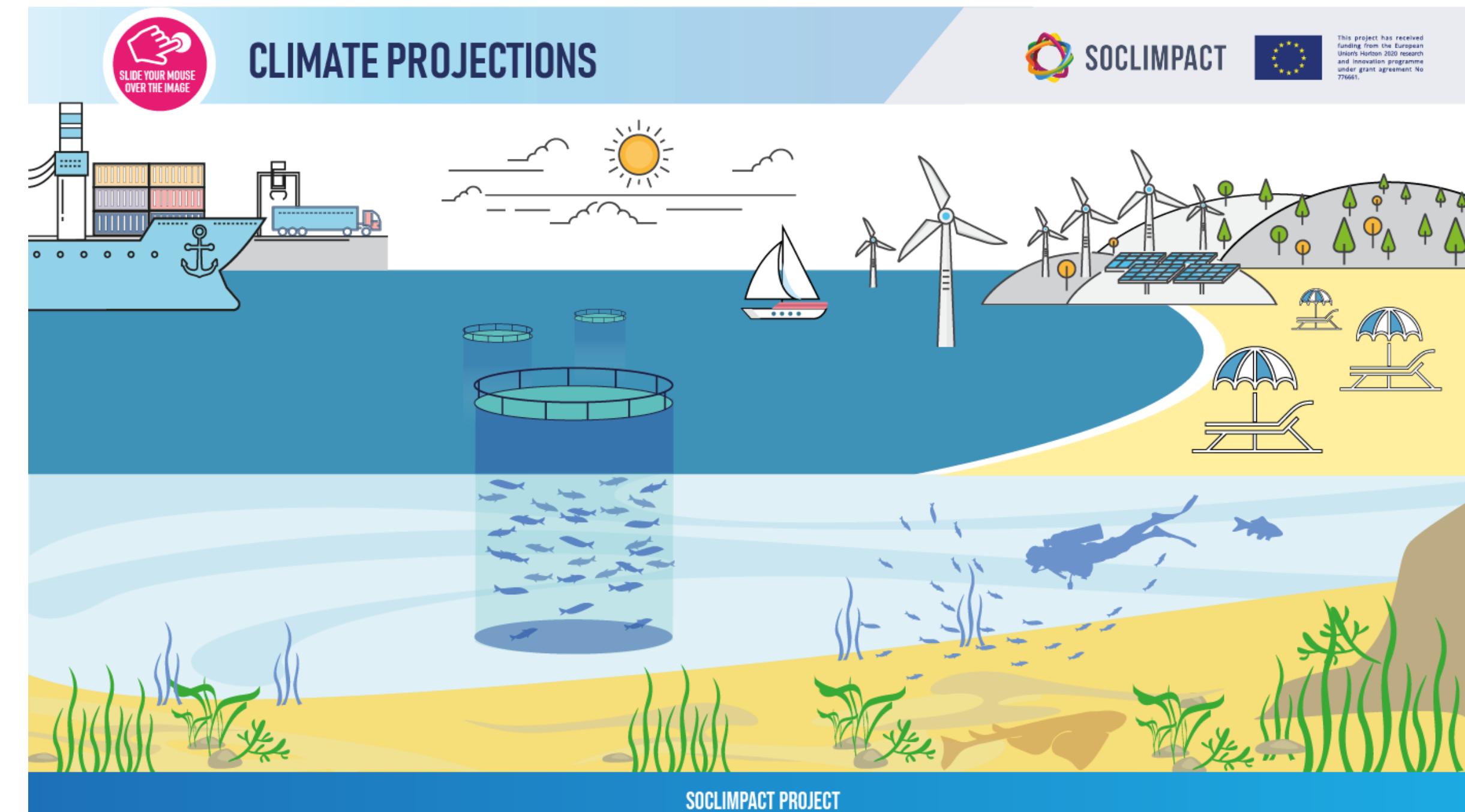
SOCLIMPACT PROJECT READ MORE ON DELIVERABLE 5.5 REPORT ON MARKET AND NON-MARKET ECONOMIC VALUES FOR ENVIRONMENTAL SERVICES OF MARINE AND COASTAL ECOSYSTEMS RELATED TO THE ACTIVITIES OF THE BLUE ECONOMY



INFOGRAPHIC | SURVEY AT ORIGIN

ACHIEVEMENTS

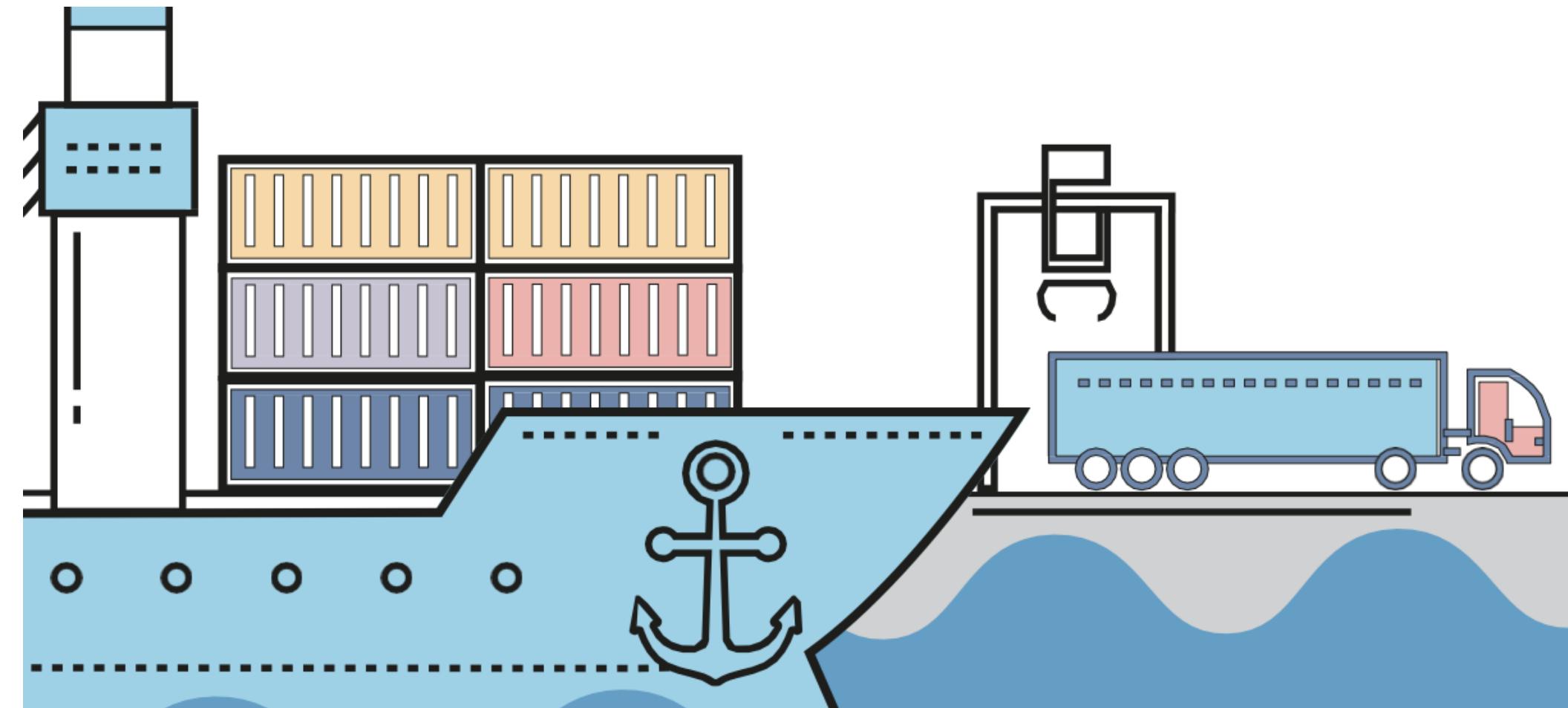
- ✓ The **socio-economic implications** of these impacts by applying two macro models. Changes in mean temperature, sea level and precipitation rates, that are expected to affect energy consumption, tourism flows and infrastructure, have been used as inputs to assess the effects on 14 sectors of economic activity, GDP, consumption, investment and employment.





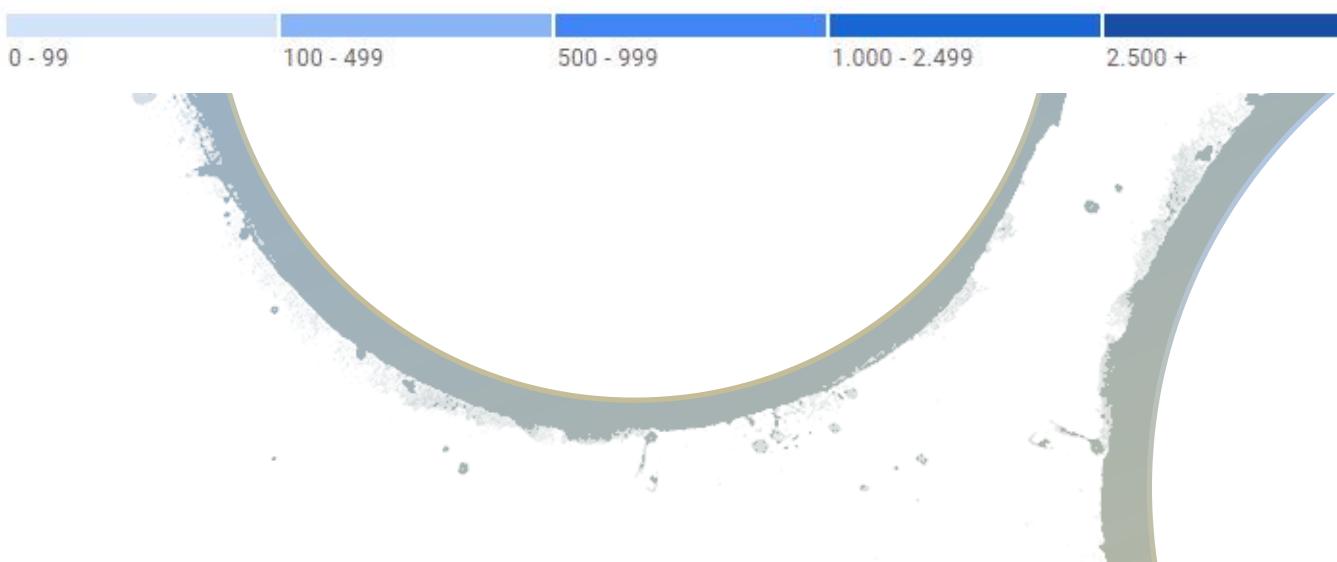
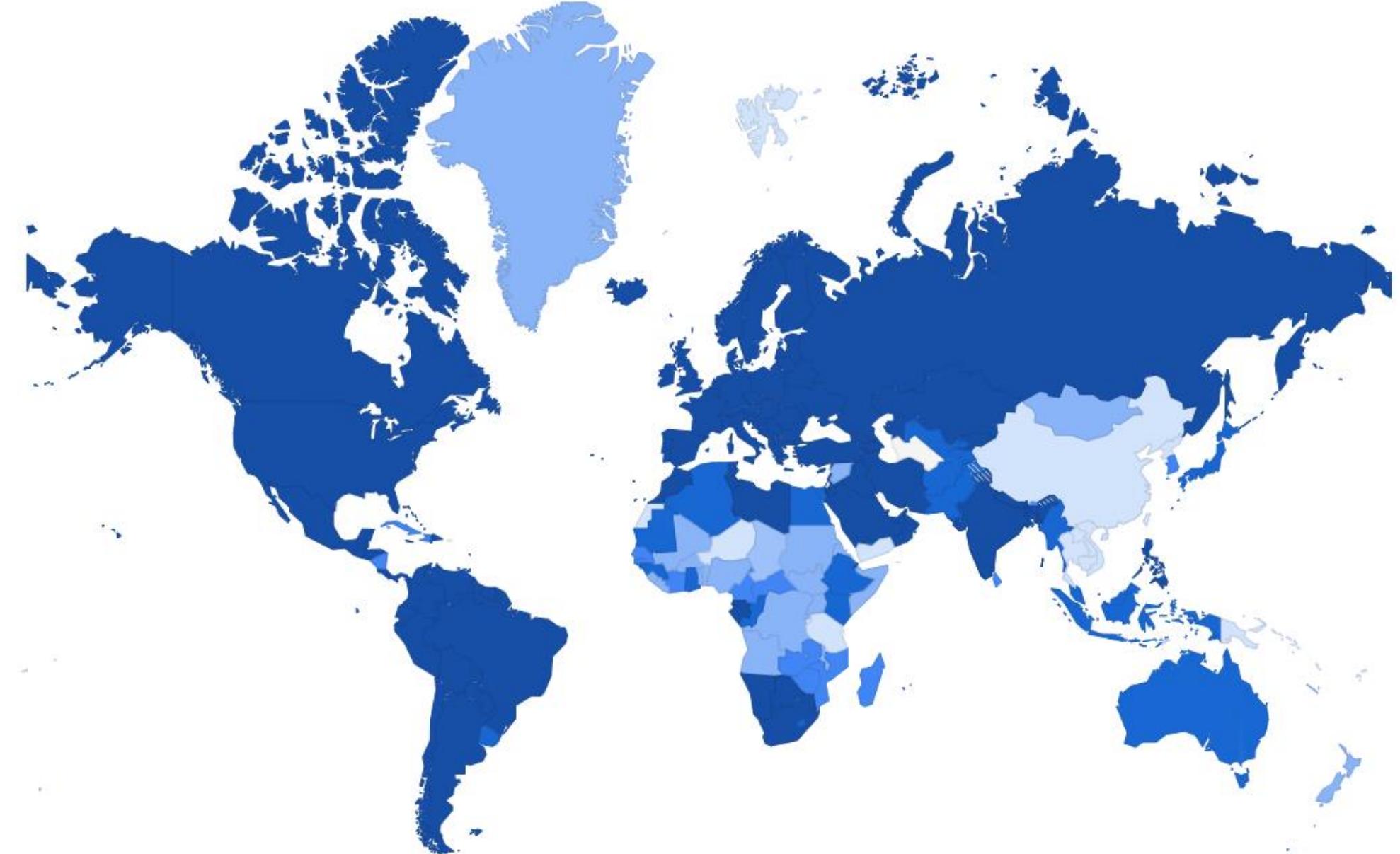
ACHIEVEMENTS

- ✓ The co-assessment and ranking with local stakeholders alternative **adaptation pathways**, that are framed by the geographical and socio-economic conditions of each island, and the future climate change scenarios.



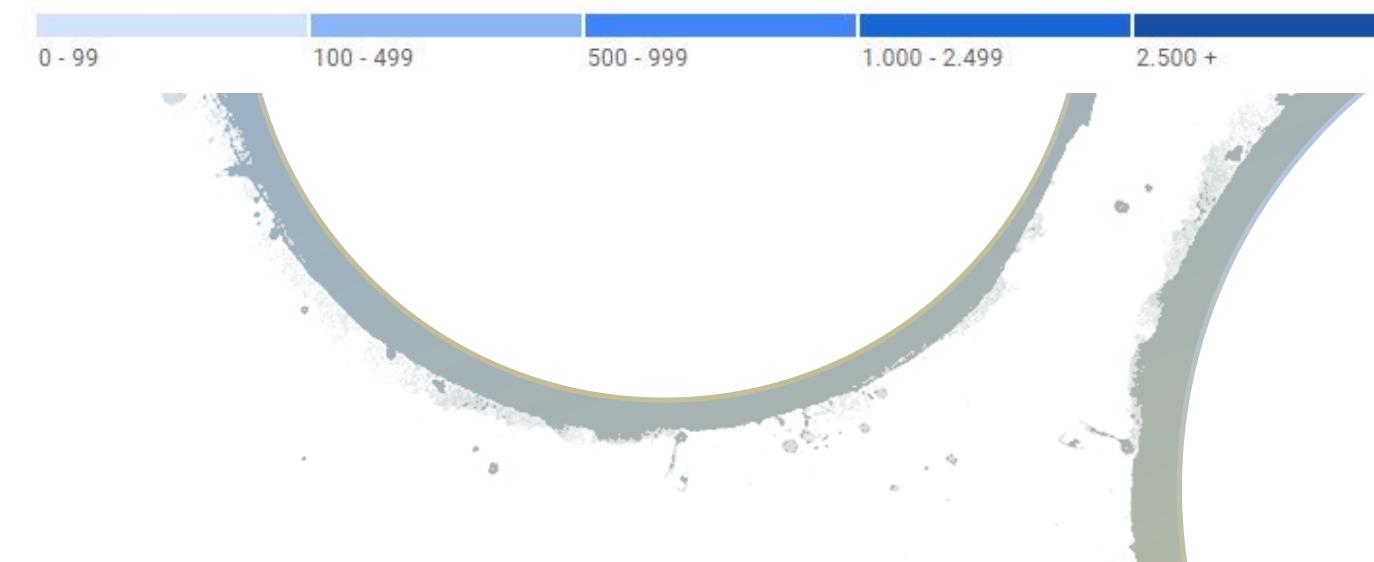
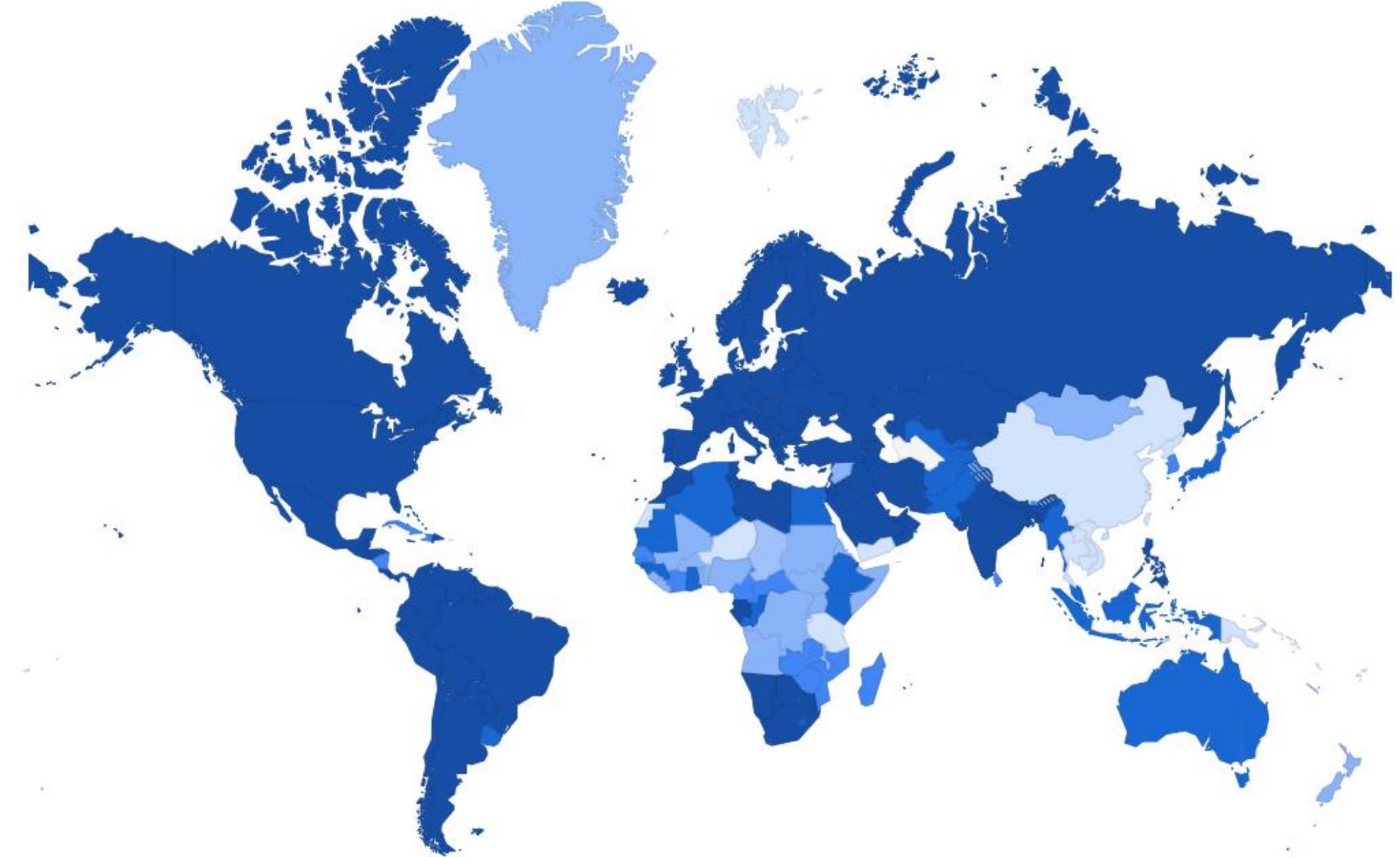
New World Situation: NEW TOOLS

A Regional Exchange Information System (REIS) and the Adaptation Support Tool for Islands allow stakeholders to access specific knowledge generated by the project, and the opportunity to discuss intensively, propose new ideas for collaborative work and establish a reference point for Adaptation beyond island boundaries.



New World Situation: NEW TOOLS

Through its networking area, the platform is open to **bring solutions in support of climate resilience management in EU islands and outermost regions**, and to incorporate actions as well as methodologies for CC research to the EU coastal zones and beyond.



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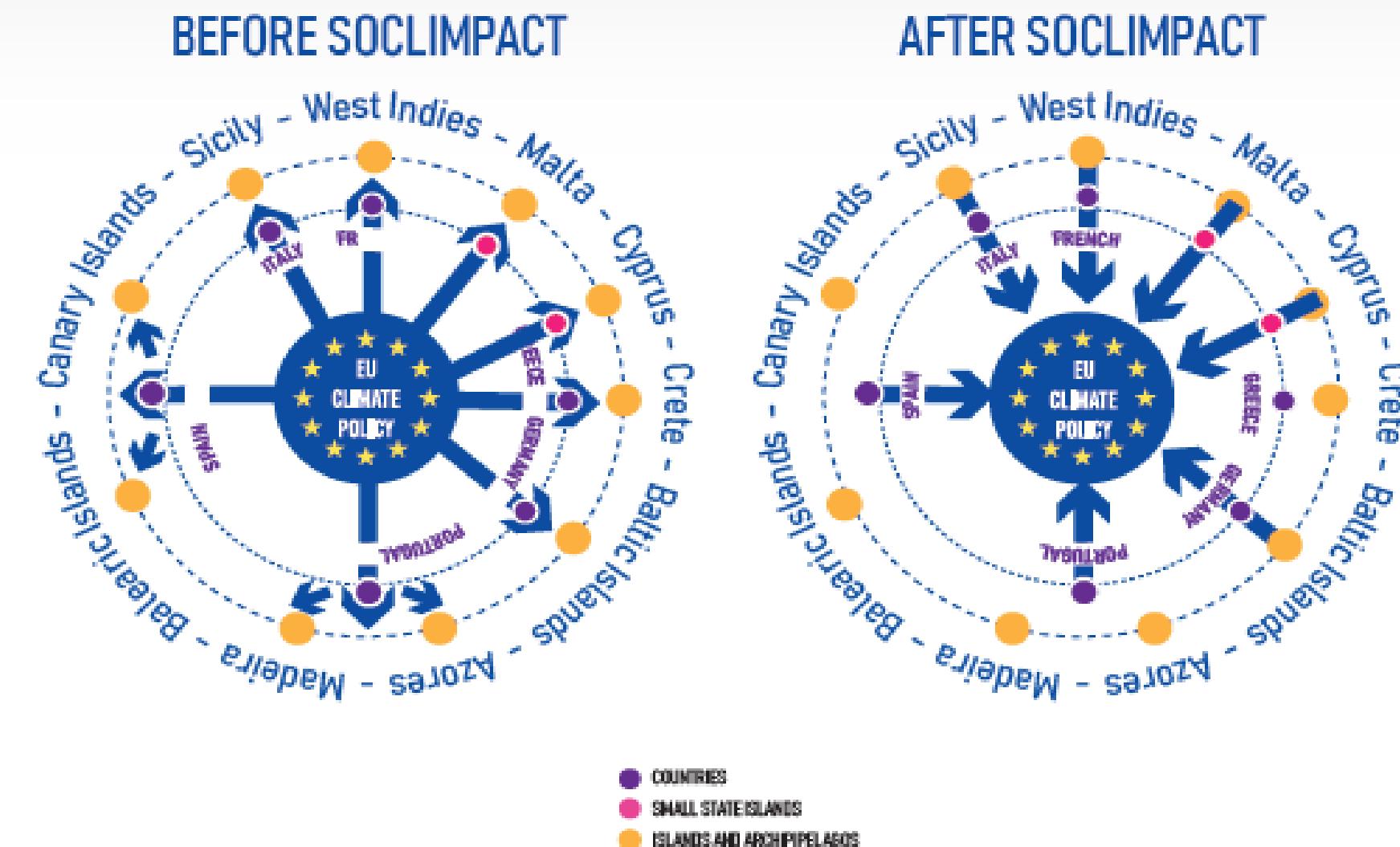
SoClimPact project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 77661



The SoClimPact consortium has decided to implement this "Regional Exchange Information System (REIS)", an open and multidisciplinary platform for the EU islands, and in which regional stakeholders, policy makers, 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.

REIS platform aims to facilitate networking, not only in support of regional adaptation policy design, but also to promote the mainstreaming of the adaptation outcomes developed by the project into EU climate change policy instruments such as the EU Adaptation Strategy. Hence, REIS platform offers a huge opportunity for all islands of the EU to intensively discuss and to establish a benchmark for Adaptation and Resilient capacities of EU islands and Blue Growth.

The Adaptation Support Tool for Islands allows



FUTURE CHALLENGES

- ✓ **Anticipate, reduce and avoid the net costs of climate change in islands environments, societies and economies: structural change, unemployment, GDP losses.**
- ✓ **Design and implement adaptation policies and measures focusing on medium and long term impacts.**



FUTURE CHALLENGES

- ✓ Continue to network: **common solutions to common problems**, add new islands and regions to a European island network against climate change.
- ✓ **Islands are of particular relevance for the EU**, and their sustainable development depends on local information and the capacity to make the best decisions.



FUTURE CHALLENGES

- ✓ Research, innovation and development of **scientific knowledge must be widely supported** and funded. Rigorous research and awareness raising are needed.



FUTURE CHALLENGES

- ✓ The Blue or ocean-dependent economy is strongly threatened by CC, with rapid deterioration of ocean resources and ecosystem services. Investment in **human capital for employment** and development in innovative blue economy sectors.



What is next?

- ✓ **Sustained open innovation** in sectors that, albeit relevant, are often characterized by SMEs that operate at a very local level and cannot individually afford costs.
- ✓ **Build a permanent platform** for advising and exchange between islands communities.





Thank you for your attention!



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Soclimpact Project



SOCLIMPACT



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SOCLIMPACT Final Conference

First European Islands Summit on Climate Change

March 23rd, 2021

Carmelo J. León, Coordinator
ULPGC – University of Las Palmas de Gran Canaria



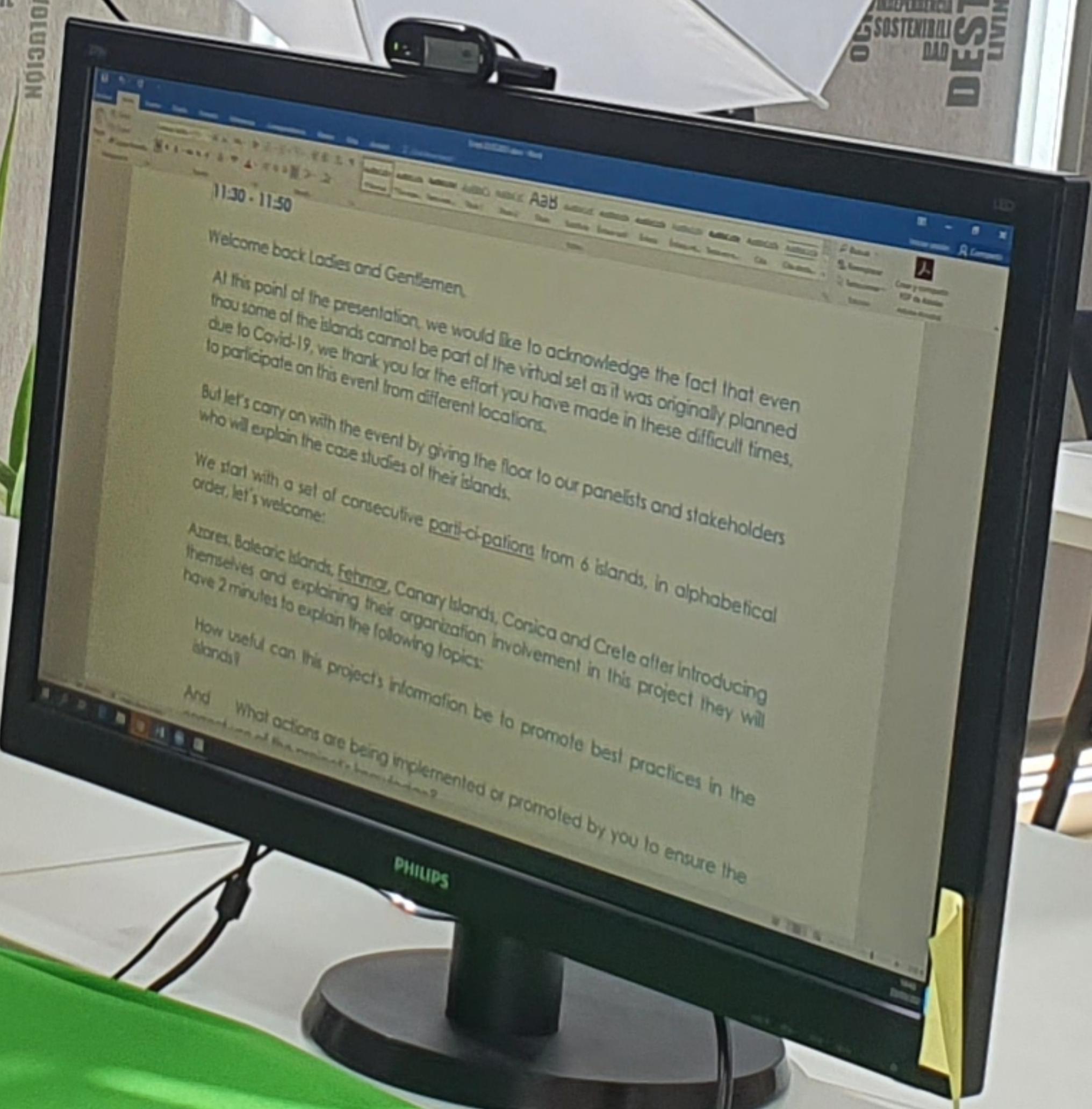
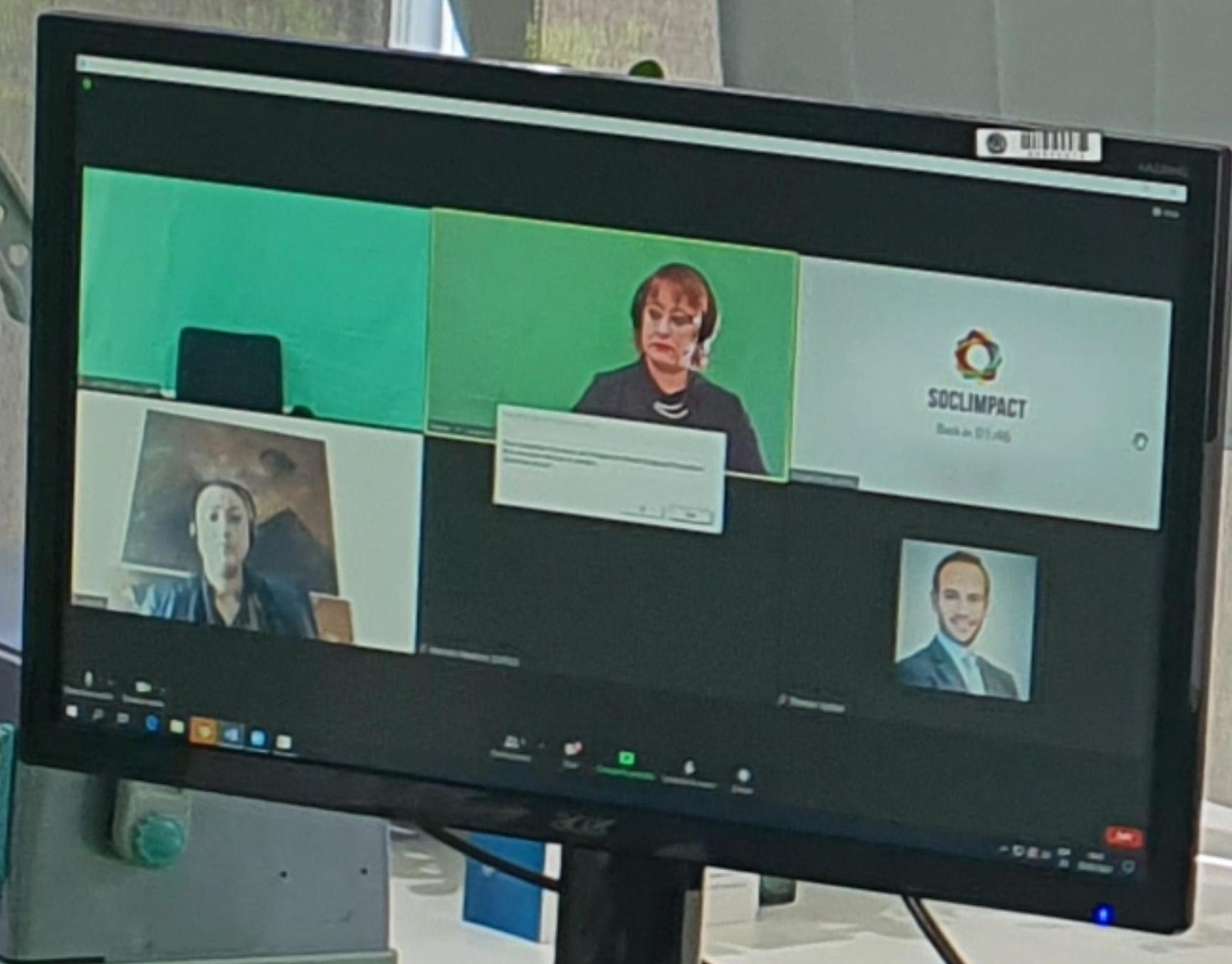
SOCLIMPACT

This project has received funding from the European Union's Horizon
2020 research and innovation programme under Grant Agreement
No776661



APPENDIX 7

Photos



MEDIO AMBIENTE
MEDIO AMBIENTE
INVESTIGACIÓN GLOBAL
ESPECIALIZACIÓN
research Tides
TRANSDISCIPLINARIEDAD

SOLU
CIONES
ESTRATEGIA
COOPERACIÓN

EQUIPO
SOCIAL
TERRITORIAL

MIAMI
ESTACIÓN
SOSTENIBLE
DEL DESTINO

DEVELOP
Tides

TIERRAS DEPENDIENTES
INTERNAZIONAL

UNIVERSITARIO
INTERNAZIONALE

INTERNAZIONALE
INTERNAZIONALE

EN DIRECTO

1:53:12



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SPECIALISTS IN
EMPIRICAL ECONOMIC
RESEARCH

