



COACCH

CO-DESIGNING THE ASSESSMENT OF CLIMATE CHANGE COSTS



Welcome to the 6th issue of the **COACCH Newsletter!**

Get updates on the project outputs, events, publications and find a list of opportunities and interesting readings suggested to you by the COACCH scientific team!

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ABOUT US / COACCH 5th Project Meeting



COACCH Fifth Project Meeting will take place on 15-16 April 2021 online due to the current pandemic situation. The consortium will gather together to discuss the latest results and the next steps for the last year of the project. Save the date!

More detailed information and the agenda will be circulated soon.

[Read more](#)

ABOUT US / COACCH 3rd Stakeholders Workshop - main outcomes



The 3rd COACCH co-design workshop was held online over two days on 3 and 4 December 2020. More than 40 participants joined, representing all four COACCH working groups: policy makers, investors, business and industry, research and civil society. On the first day, researchers presented the results of impact assessments for a number of physical and socio-economic tipping points and discussed these with stakeholders. On the second day the participants discussed the results of the COACCH macroeconomic assessment of climate impacts. The team also previewed a web-tool to assist with decision making. A final session was focused on risk perception and policy needs. The evaluation process on co-design was continued with an evaluation survey at the end of the workshop.

[Read more](#)

ABOUT US / COACCH on Eurekalert Press Release



Energy at risk: the impact of climate change on supply and costs. The press release, published on Eurekalert on October 27, 2020 included contributions from Enrica De Cian and Shouro Dasgupta (CMCC and Ca' Foscari University), who mentioned COACCH as one of the CMCC-led projects aimed at addressing the current research gap existing in understanding the future climate impacts on energy systems.

[Read more](#)

ABOUT US / COACCH Webinars series



The COACCH Project has created a webinar series as a dissemination tool to share its outputs to the online community. The series will include four episodes, and started in Spring 2020. The first two episodes took place respectively on April 30 and May 14. The video recordings of the webinars are available on the COACCH website and Youtube channel. The next webinar will deal with tipping points and macroeconomic assessment. More information will follow soon.

[Read more](#)

EVENTS / COACCH at ECFIN Webinar “Towards a climate neutral economy – what role for economic policies?”



On March 25, 2021 Francesco Bosello, project coordinator, presented COACCH results from its macroeconomic analysis at the ECFIN webinar on the economics of climate change: *“Towards a climate neutral economy – what role for economic policies?”* The event, welcomed by Commissioner Paolo Gentiloni and opened with a keynote lecture by sir Nicholas Stern, gathered top-level experts to discuss costs, benefits and challenges for climate policies.

[Read more](#)

EVENTS / COACCH Project Coordinator at High Level Event presenting the EU Climate Adaptation Strategy



COACCH Project Coordinator Francesco Bosello, and COACCH scientists Paul Watkiss, Ad Jeuken, Kees van Ginkel, Enrico Scoccimarro, took part to the high level two-day Virtual Event of presentation of the new EU Climate Adaptation Strategy on February 25-26, 2021. The event was organized on behalf of the European Commission, DG CLIMA, by the Foundation Euro-Mediterranean Centre on Climate Change (CMCC) with the aim of mobilising the climate adaptation community and providing forum for reflecting on the role of science and innovation in general, and how climate adaptation community can contribute to meeting the goals of the Strategy. Francesco Bosello moderated the sessions: *“Faster adaptation: Speed up adaptation implementation”* and

"Climate adaptation modelling - state of the art and recommendations". Paul Watkiss moderated the: "High level science-policy panels".

[Read more](#)

EVENTS / COACCH at EASME Knowledge sharing event for Decarbonisation projects



On 26-27 November 2020, COACCH Project Deputy Coordinator Ramiro Parrado took part to the "Knowledge sharing event for Decarbonisation projects" organised by EASME. The event was aimed at spurring closer cooperation between projects by sharing their recent insights and providing an opportunity to exchange views between the projects and EU policy makers. The event focused on the topics of the transition to a carbon neutral economy in line with the Paris goals, and the European Green Deal, considering COVID-19 response, and negative emission technologies.

[Read more](#)

EVENTS / COACCH at SOCLIMPACT General Assembly



On November 26th, COACCH Project Coordinator Francesco Bosello and Deputy Coordinator Ramiro Parrado participated to the General Assembly of the H2020 SOCLIMPACT sister project. The two consortia exchanged information on novel findings and discussed opportunities for further joint communication initiatives.

SOCLIMPACT (DownScaling CLimate ImPACTs) aims at modelling downscaled CC effects and their socioeconomic impacts in European islands for 2030–2100, in the context of the EU Blue Economy sectors, and assess corresponding decarbonisation and adaptation pathways, complementing current available projections for Europe, and nourishing actual economic models with non-market assessment.

[Read more](#)

DELIVERABLE / D2.7 Macroeconomic, spatially-resolved impact assessment



Grant agreement no. 776479

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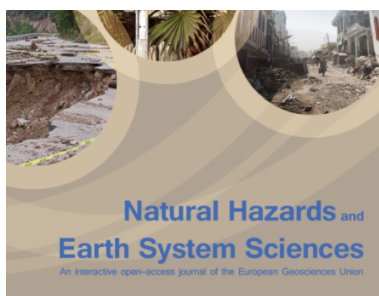
H2020-SC5-2016-2017/H2020-SC5-2017-OneStageB

D2.7. Macroeconomic, spatially-resolved
impact assessment

COACCH project has produced a new deliverable which assesses the higher order economic implications of climate change impact previously assessed by COACCH sectoral impact models, applying the ICES macroeconomic computable general equilibrium (CGE) model. Once computed, EU regional GDP performances in the presence of climate change quantified by the ICES model are further detailed at a higher spatial resolution applying statistical downscaling techniques. The analysis is completed by assessing potential distributional implications of the economic impacts.

[Read more](#)

PUBLICATION / "Flood risk assessment of the European road network"



River floods are among the most costly natural hazards and are projected to increase due to climate change. Authors introduce a new model which calculates flood damage for all individual road sections in Europe, from the largest 2*5-lane motorways to the tiniest alleys in cities. Earlier models could not accurately calculate flood damage to road networks on large spatial levels such as countries or entire continents. Moreover, they provided little perspective of action to national road operators, because the damage could not be pinpointed to individual road segments. In this study, authors show how a continental scale risk assessment can be done with damage calculations for all individual roads with their specific characteristics, so that flood hotspots can be identified.

Paper published on *Natural Hazards and Earth System Sciences (NHESS)*

[Download the paper](#)

PUBLICATION / "A global analysis of subsidence, relative sea-level change and coastal flood exposure"



Climate-induced sea-level rise and vertical land movements, including natural and human-induced subsidence in sedimentary coastal lowlands, combine to change relative sea levels around the world's coasts. Although this affects local rates of sea-level rise, assessments of the coastal impacts of subsidence are lacking on a global scale. Here, authors quantify global-mean relative sea-level rise to be 2.5 mm yr⁻¹ over the past two decades.

Paper published on *Nature*. Please note that the paper has an embargo period of 6 months and will be open access starting from **September 8, 2021**.

[Download the paper](#)

PUBLICATION / "Regional Inequalities in Flood Insurance Affordability and Uptake under Climate Change"



This study addresses the threat of climate- and socio-economic change on the ability for private flood insurance to provide coverage for households in European high-risk flood zones in the future. Using a modeling approach we project a large increase in future flood insurance premiums, which leads to unaffordability and a reduction of uptake for insurance coverage.

Paper published on *Sustainability*

[Download the paper](#)

PUBLICATION / "The ongoing nutrition transition thwarts long-term targets for food security, public health and environmental protection"



The nutrition transition transforms food systems globally and shapes public health and environmental change. Here we provide a global forward-looking assessment of a continued nutrition transition and its interlinked symptoms in respect to food consumption. These symptoms range from underweight and unbalanced diets to obesity, food waste and environmental pressure.

Paper published on *Nature*

[Download the paper](#)

COACCH SUGGESTS

Events, interesting reads and opportunities to advance knowledge on climate change impacts and costs selected for you by the COACCH research team.

EVENTS

[SWEEP Webinar series](#)

Throughout 2021

[EcoMod International Conference on Economic Modeling and Data Science \(EcoMod2021\)](#)

July 7-9, 2021

[EAERE Annual Conference 2021](#)

June 23-25, 2021

[24th Annual Conference on Global Economic Analysis](#)

June 23-25, 2021

[ECCA 2021](#)

May 25-June 10, 2021

INTERESTING READS

- ***"Europe Sustainable Development Report 2020"*** - by Sustainable Development Solutions Network (SDSN) & Institute for European Environmental Policy (IEEP) - read it [here](#)
- ***"Eight priorities for calculating the social cost of carbon"*** - Nature, 2021 - read it [here](#)

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