



# COACCH

CO-DESIGNING THE ASSESSMENT OF CLIMATE CHANGE COSTS



Welcome to the 7<sup>th</sup> 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 Final Conference



### Final Conference

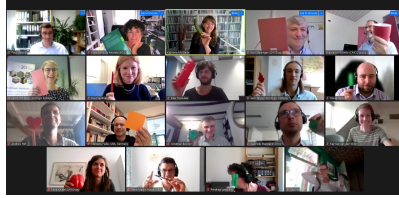
17 November 2021  
10.00 am – 4.10 pm CET  
Online (Zoom)

Welcome to **COACCH Project Final Conference**! In this online event, which will take place on **November 17th, 2021, 10.00-16.10 CET**, we will present and discuss the findings of this four-year collaborative journey which gathered leading experts on climate change sciences from 13 European research institutions.

Do not miss it!

[More info & Registration](#)

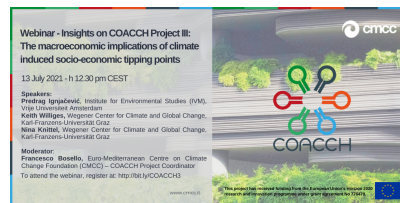
## ABOUT US / COACCH 4<sup>th</sup> Interactive Co-Design Workshop



As a part of its co-design process, the COACCH project organized a series of interactive stakeholder workshops to discuss research objectives, activities, and outputs. The first three co-design workshops between 2018 and 2020 produced key insights to guide the COACCH project. In this fourth and final workshop, held on 9 and 10 September 2021, the project team presented their concluding research findings and together reviewed the final outputs to be produced. More than 40 participants from eight European countries joined the workshop.

[Read more](#)

## ABOUT US / COACCH Webinars series - 3rd webinar



The COACCH Project has created a webinar series as a dissemination tool to share its outputs to the online community. The series includes four episodes, and started in Spring 2020. The third and latest webinar was held on July 13 and dealt with tipping points and macroeconomic assessment. Speakers were Predrag Ignjačević, Institute for Environmental Studies (IVM), Vrije Universiteit Amsterdam; Keith Williges, Wegener Center for Climate and Global Change, Karl-Franzens-Universität Graz; Nina Knittel, Wegener Center for Climate and Global Change, Karl-Franzens-Universität Graz. The webinar was moderated by COACCH Project Coordinator Francesco Bosello, CMCC.

The video recordings of the three webinars are available on the COACCH website and Youtube channel.

[Watch videos](#)

## EVENTS / COACCH at 2021 EU Conference on modelling for policy support



Project partner Paul Watkiss will present COACCH project at the **2021 EU Conference on modelling for policy support** on 25 November, in the contributed session 3: *Climate change adaptation modelling as a key support tool for evidence-based policies in a time of planetary crisis*.

[Read more](#)

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## EVENTS / COACCH at COP26 Side event



On November 1st, 2021 Project Coordinator Francesco Bosello will present COACCH project on a virtual side event of COP26. The event, titled "**The Journey from Scientific insights to Societal Action**", will include contributions from: [PESETA](#) and [SOCLIMPACT](#) projects, the European Climate Research Alliance (**ECRA**), Climate Psychology Alliance (**CPA**), the European University Association (**EUA**), and [ENGAGE](#) project (Exploring National and Global Actions to reduce Greenhouse gas Emissions). Further information will be announced soon.

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## EVENTS / COACCH at IAMC 14<sup>th</sup> Annual Meeting



COACCH Project Coordinator Francesco Bosello will present the paper "*Macroeconomic implications of climate change in the EU: a country and sub national assessment*" at the 14th Integrated Assessment Modeling Consortium (IAMC) Annual Meeting, to be held online from November 29th to December 3rd 2021, in parallel session 10 "IMPACTS: Integrated assessment of climate change impacts, including adaptation". The paper - still not published - summarizes the subnational assessment and benefited from the input from several COACCH partners produced for the sectoral assessment of climate change within WP2: Impact Chains.

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## EVENTS / COACCH at ECCA 2021



After being selected to participate to the European Adaptation Conference (ECCA) 2021, COACCH project produced a video presentation in which project coordinator Francesco Bosello describes COACCH main features and a flavour of the projects

results. The video is available both on COACCH Youtube channel and website.

[Watch video](#)

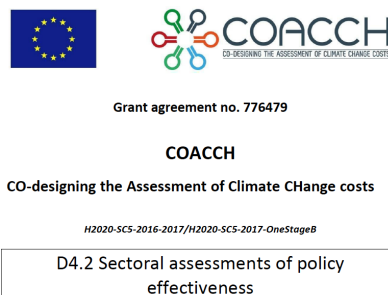
## DELIVERABLE / D5.2 Climate Change Impacts & Policy Simulator



This deliverable describes the COACCH climate change impacts & policy simulator. The tool has been designed to be interactive, user-friendly, and with open-access data. The main goal of the tool is to allow non-expert users to explore the different consequences of climate change as well as the related policy options using the range of SSP-RCP scenario combination developed within the project for all the NUTS-2 EU regions.

[Read more](#)

## DELIVERABLE / D4.2 Sectoral assessments of policy effectiveness



COACCH project has produced a new deliverable which substantiates that part of the activity of COACCH Task 4.2 consisting of assessing policy effectiveness for European policy makers and includes a set of case studies examining policy effectiveness from sectoral and thematic perspectives. More specifically, this report elaborates on main findings related to policy effectiveness in agriculture and in industry and business.

[Read more](#)

## DELIVERABLE / D4.3 Macroeconomic assessment of policy effectiveness



Grant agreement no. 776479

COACCH

CO-designing the Assessment of Climate CHange costs

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

D4.3 Macroeconomic assessment of policy effectiveness

This deliverable is composed of four chapters: first, new damage functions are created using biophysical and economical impacts from previous COACCH work. Second, these functions are used in Integrated Assessment Models to evaluate the macro-economic impacts and provide cost-benefit optimal policy recommendations. Third, the damage functions are applied using a higher spatial detail to Europe to perform hotspot analysis on the NUTS2 and city-level. Finally, not only the climate damages are assessed: also the macro-economic impacts of national adaptation strategies are assessed.

[Read more](#)

## PUBLICATION / Policy Brief - The Economic Cost of Climate Change in Europe: Macro-Economic Results for Europe



Policy brief by the COACCH project. Authors: Francesco Bosello, Ramiro Parrado, Gabriele Standardi. Editors: Paul Watkiss, Michelle Watkiss. Published July, 2021.

This document synthesises the results from the COACCH project on the macro-economic costs of climate change in Europe.

[Download the policy brief](#)

## PUBLICATION / Policy Brief - Economic Cost of Climate Change in Europe: Climate & Socio-Economic Tipping Points Economic



Policy brief by the COACCH project. Editors: Paul Watkiss, Alistair Hunt, Michelle Watkiss. Published July, 2021. This document synthesizes the latest results from the COACCH project on the economic costs of climate change in Europe and present the results of the work on climate and socio-economic tipping points.

[Download the policy brief](#)

## PUBLICATION / Update to the Policy Brief - The Economic Cost of Climate Change in Europe: Synthesis Report on COACCH Interim Results

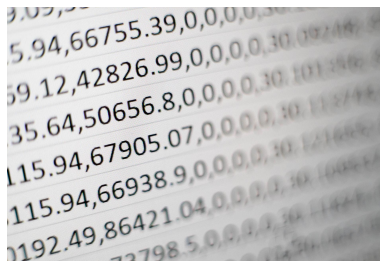


Policy brief by the COACCH project. Editors: Paul Watkiss, Jenny Troeltzsch, Katriona McGlade, Michelle Watkiss. Published October, 2019. **Updated July 2021.**

This document synthesises the latest results from the COACCH project on the economic costs of climate change in Europe and identifies areas of possible discussion to explore with stakeholders at the second COACCH workshop.

[Download the paper](#)

## DATASETS / Various



In compliance with the regulations of the European Commission, COACCH project is starting to upload its datasets with free open access on the Zenodo repository. So far, 9 different datasets have been uploaded by partners. If you have datasets related to the project, please do upload them on Zenodo linking them to the [COACCH project community](#).

[See the datasets](#)

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



River floods pose a significant threat to road transport infrastructure in Europe. This study presents a high-resolution object-based continental-scale assessment of direct flood risk of the European road network for the present climate, using high-resolution exposure data from OpenStreetMap. A new set of road-specific damage functions is developed. Paper published on *Natural Hazards and Earth System Sciences*.

[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

#### [SWEEEP Webinar series](#)

Throughout 2021

#### [2021 EU Conference on modelling for policy support](#)

22-26 November 2021

#### [Fourteenth IAMC Annual Meeting 2021](#)

**29 November-3 December 2021**

## INTERESTING READS

- García-León, D., Casanueva, A., Standardi, G. et al. **Current and projected regional economic impacts of heatwaves in Europe**. Nat Commun 12, 5807 (2021). <https://doi.org/10.1038/s41467-021-26050-z>

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