



Ca' Foscari
University
of Venice

PROJECT ACRONYM AND TITLE: RECEIPT - REmote Climate Effects and their Impact on European sustainability, Policy and Trade

FUNDING PROGRAMME: Horizon 2020 – LC -CLA

CALL: H2020-LC-CLA-2018-2019-2020

SCIENTIFIC FIELDS: Earth science

HOST DEPARTMENT: DAIS – Dipartimento di Scienze Ambientali Informatica e Statistica

SCIENTIFIC RESPONSIBLE: Antonio Marcomini

FINANCIAL DATA:

Project total costs	Overall funding assigned to UNIVE
€ 6.998.996,25	€ 30.000,00

ABSTRACT:

In an interconnected world, Europe's economy will be increasingly affected by climate change impacts that occur beyond its border. The movement of goods and services, people and capital occurs at ever increasing rates and volumes. This complex network reveals Europe's globalized climate exposure, vulnerability and risk structure, through which both gradual and sudden impacts of climatic features at any location on the world (hurricanes, droughts, melting ice sheets) propagate, ultimately impacting Europe's socio-economic welfare. Public awareness of Europe's sensitivity to global climate impacts is steadily growing. In order to provide relevant and quantitative information on the European risks from remote global climatic features, RECEIPT will develop and implement a novel stakeholder driven storytelling concept that maps representative connections between European socio-economic activities and remote climatic hazards. Using a limited number of storylines designed for selected sectors, RECEIPT has the following key objectives and deliverables:

- Mapping of global hotspots of remote areas with climate features relevant for Europe, using state-of-the-art climate and climate-impact databases;
- Science-based sectoral storylines co-developed with societal partners, describing the impacts of remote climate change on: European food security, the financial sector, international development, commodities and European coastal infrastructure;
- Assessment of European socio-economic impacts along each of the selected storylines under different future climatic conditions, including high-end climate scenarios;
- A robust synthesis of the storyline results into a pan-European socioeconomic risk assessment focusing on the difference between high-end and moderate climate change conditions;
- Innovative web-based concepts for visualizing potential impacts of remote drivers and mapping risk mitigation options.

Planned Start date	Planned End date
01/09/2019	31/08/2023

PARTNERSHIP:

1. KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT-KNMI	NL	Coordinator
2. STICHTING VU	NL	Partner
3. STICHTING NETHERLANDS ESCIENCE CENTER	NL	Partner
4. INTERNATIONALES INSTITUT FUR ANGEWANDTE SYSTEMANALYSE	AT	Partner
5. POTSDAM INSTITUT FUR KLIMAFOLGENFORSCHUNG	DE	Partner
6. EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH	CH	Partner
7. UNIVERSITAET BERN	CH	Partner
8. R2 Water	NL	Partner
9. ARCTIK SPRL	BE	Partner
10. FONDAZIONE CENTRO EURO-MEDITERRANEO SUI CAMBIAMENTI CLIMATICI	IT	Partner
11. THE UNIVERSITY OF READING	UK	Partner
12. CICERO SENTER KLIMAFORSKNING STIFTELSE	NO	Partner
13. Stichting Solidaridad	NL	Partner
14. CASE - CENTRUM ANALIZ SPOLECZNO-EKONOMICZNYCH- FUNDACJA NAUKOWA	PL	Partner
15. Sayers and Partners LLP	UK	Partner
16. UNIVERSITY OF LEEDS	UK	Partner
17. STICHTING INTERNATIONAL RED CROSS RED CRESCENT CENTRE ON CLIMATE CHANGE AND DISASTER PREPAREDNESS	NL	Partner