



Università
Ca'Foscari
Venezia

PROJECT ACRONYM AND TITLE: PARIS REINFORCE - Delivering on the Paris Agreement: A demand-driven, integrated assessment modelling approach

FUNDING PROGRAMME: Horizon 2020 - LC

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

SCIENTIFIC FIELDS: Risk assessment

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

SCIENTIFIC RESPONSIBLE: Carlo Carraro

FINANCIAL DATA:

Project total costs	Overall funding assigned to UNIVE
€ 7830242,50	€ 40.041,87

ABSTRACT:

PARIS REINFORCE aims to underpin climate policymaking with authoritative scientific processes and results, and enhance the science-policy interface, in light of the Paris Agreement and associated challenges. In particular, our aim is to develop a novel, demand-driven, IAM-oriented assessment framework for effectively supporting the design and assessment of climate policies in the EU as well as in other major emitters and selected less emitting/developed countries, in respect to the Paris Agreement objectives. Building on an exhaustive facilitative dialogue and a strong ensemble of complementary—in terms of mathematical structure, geographical, sectoral and focus coverage—integrated assessment, energy system and sectoral models, we will create an open-access and transparent data exchange platform, I2AM PARIS, in order to support the effective implementation of Nationally Determined Contributions, the preparation of future action pledges, the development of 2050 decarbonisation strategies, and the reinforcement of the 2023 Global Stocktake. We also seek to enhance the legitimacy of the scientific processes in support of climate policymaking, by introducing an innovative stakeholder inclusion framework and improving the transparency of the employed models, methods and tools. Beyond effectively communicating respective outputs and fostering wider societal acceptance of climate policy, we actively involve policymakers and other stakeholder groups in all stages: from the formulation of policy questions and the definition of modelling assumptions in a demand-driven approach; to the design of I2AM PARIS interfaces and specifications, and the mobilisation of tacit knowledge embedded in them in the aim of bridging knowledge gaps. Finally, we will introduce innovative integrative processes, in which IAMs are further coupled with well-established methodological frameworks, in order to improve the robustness of modelling outcomes against different types of uncertainties.

Planned Start date**Planned End date****01/06/2019****31/05/2022**

PARTNERSHIP:

1. NATIONAL TECHNICAL UNIVERSITY OF ATHENS – NTUA	GR	Coordinator
2. ASOCIACION BC3 BASQUE CENTRE FOR CLIMATE CHANGE - KLIMA ALDAKETA IKERGAI	ES	Partner
3. BRUEGEL AISBL	BE	Partner
4. THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE	UK	Partner
5. CICERO SENTER KLIMAFORSKNING STIFTELSE	NO	Partner
6. FONDAZIONE CENTRO EURO-MEDITERRANEOSUI CAMBIAMENTI CLIMATICI	IT	Partner
7. ENERGY ENGINEERING ECONOMIC ENVIRONMENT SYSTEMS MODELING AND ANALYSIS SRL	IT	Partner
8. ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	CH	Partner
9. FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	DE	Partner
10. IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE	UK	Partner
11. HOLISTIC P.C.	GR	Partner
12. INSTITUTE FOR EUROPEAN ENERGY AND CLIMATE POLICY STICHTING	NL	Partner
13. SEURECO SOCIETE EUROPEENNE D'ECONOMIE SARL	FR	Partner
14. FUNDACAO DE EMPREENDIMENTOS CIENTIFICOS E TECNOLOGICOS	BR	Partner
15. China University of Petroleum-Beijing	CN	Partner
16. Russian Academy of Sciences Institute of Economic Forecasting	RU	Partner
17. Institute for Global Environmental Strategies	JP	Partner
18. THE ENERGY AND RESOURCES INSTITUTE	IN	Partner