



Università
Ca' Foscari
Venezia

PROJECT ACRONYM AND TITLE: ClimeFish – Co-creating a Decision Support Framework to ensure sustainable fish production in Europe under climate change

FUNDING PROGRAMME: Horizon 2020 – Societal Challenge 2: Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy

CALL: H2020-SC2-BG02

SCIENTIFIC FIELD: Sustainable Fisheries, Blue Growth, Aquaculture and Seafood Sectors

HOST DEPARTMENT/CENTRE: Department of Environmental Science, Informatics and Statistics

SCIENTIFIC RESPONSIBLE: Prof. Fabio Pranovi

FINANCIAL DATA:

Project total costs	Overall funding assigned to UNIVE
€ 5.187.091,25	€ 201.160,00

ABSTRACT:

ClimeFish will, in co-creation with stakeholders, support sustainable fisheries, enable an increase in European aquaculture production, facilitate employment and regional development through effective forecasting, and develop management tools for adapting to climate change. Biological models will be based on single species distribution and production, as well as more advanced multispecies interactions. Forecasting models will provide scenarios to evaluate socio-economic effects of climate change on ecosystem services, and will give information to support fisheries management and aquaculture development. The models will incorporate uncertainty and risk, thereby strengthening the scientific advice, policy making process and production planning.

Based on these models, ClimeFish will develop a Decision Support Framework (DSF) and case-specific management plans (MPs) under a results-based scheme that will allow regulators, fishermen and aquaculture operators to anticipate, prepare and adapt to climate change while minimizing economic losses and social consequences. ClimeFish will address three production sectors (marine fisheries, marine aquaculture and freshwater lakes and ponds) through seven case studies involving approximately 20 species. ClimeFish will identify threats and opportunities that will occur under three different climate scenarios, and in co-creation with stakeholders prepare to mitigate risks and reap the potential benefits for European fisheries, aquaculture and seafood sectors.

The capacity building and empowerment of operators through their participation in data collection, DSF design and responsive MP development, will ensure sustainability and increase the competitiveness and growth of seafood producers and associated companies. This will contribute to the development of innovations, meeting the needs of the EU as well as the global market, and have significant impact also after project end.

Planned Start DateApril 1st, 2016**Planned End Date**March 31st, 2020**PARTNERSHIP:**

1	UiT, The Arctic University of Norway	Norway	Coordinator
2	Ca' Foscari University of Venice	Italy	Partner
3	Universidad de Concepción	Chile (ICPC)	Partner
4	Biology Centre Czech Academy of Sciences	Czech Republic	Partner
5	International Council for the Exploration of the Sea	Denmark	Partner
6	Syntesa	Faroe Islands	Partner
7	Federation of European Aquaculture Producers	France	Partner
8	Brandenburg University of Technology Cottbus-Senftenberg	Germany	Partner
9	Hellenic Center for Marine Research	Greece	Partner
10	National Agricultural Research and Innovation Centre	Greece	Partner
11	Matis	Iceland	Partner
12	The Food and Agriculture Organization of the United Nations	Italy	Partner
13	The Institute of Marine Research in Norway	Norway	Partner
14	The Norwegian Institute of Food, Fisheries and Aquaculture Research	Norway	Partner
15	Centro Tecnológico del Mar	Spain	Partner
16	The Spanish National Research Council	Spain	Partner
17	University of Stockholm	Sweden	Partner
18	University of Aberdeen	UK	Partner
19	University of Stirling	UK	Partner
20	Nha Trang University	Vietnam (ICPC)	Partner
21	Memorial University of Newfoundland	Canada (ICPC-HI)	Partner

WEBSITE: available after the starting date