Networking with other projects

ClimeFish liaises with other national and international research projects and is highly relevant to the future management of marine resources in Europe in a changing environment, taking a holistic view incorporating socio-economic and legislative issues.



Outcomes

- Novel forecasting models to simulate and analyse changes in distribution and production in the fisheries and aquaculture sectors
- Early warning methodologies and mitigation strategies for identified risks as well as analysis of market and non-market costs and benefits of affected ecosystem services
- The ClimeFish Decision Support Framework (DSF) which includes a Decision Support Tool (DST) software application based on the simulation and forecasting models









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Co-creating a Decision Support Framework to Ensure Sustainable Fish Production in Europe under Climate Change



Funded under the EU H2020 Programme A consortium of 21 partners from 16 countries 48 months duration: April 2016 – March 2020

Work programme topic addresses: H2020-BG-02-2015 Forecasting and anticipating effects of climate change on fisheries and aquaculture

Aim

The overall goal of ClimeFish is to 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.

The Consortium



The ClimeFish consortium includes 17 RTD organisations, 1 SME and 3 International organisations from 16 countries of which:

- 10 are European Member States: Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Spain, Sweden and the United Kingdom
- 3 are Associated Countries: Faroe Islands, Norway and Iceland
- 3 are non-EU countries eligible for funding: Canada, Chile and Vietnam

Strong stakeholder involvement in ClimeFish is guaranteed by including key international organisations: ICES, FEAP and FAO.



Red arrows indicate the loop of iterations between WPs 3-5 when developing the guidelines for climate adaptionplans through 7 cases and implementing the ClimeFish Decision Support Framework in the 3 production sectors.

The ClimeFish	project will
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- Help ensure that the increase in seafood production comes in areas and for species where there is a potential for sustainable growth, given the expected developments in climate
- Contribute to a precautionary approach to management of the fisheries
- Contribute to robust employment and sustainable development of rural and coastal communities

A new approach

The approach taken in the project is that of co-creation in order to break down barriers between researchers, authorities, managers, fishers, producers, markets and consumers.

ClimeFish will actively engage stakeholders by combining analytical and participatory tools to generate knowledge that has scientific acceptability, policy relevance and social robustness.

Sector	Case studies	Geographical Area	Species	Stakeholder
Marine fisheries	Pelagic	NE Atlantic	herring, mackerel, capelin, blue whiting, anchovy, sardine	Fisheries organisations in Norway, Iceland and Faroe Island
		Baltic Sea	herring, sprat	
	Demersal	Baltic Sea	cod	
		Barents Sea	cod, haddock	
		West of Scotland	hake, cod	The scottish white fish Producers association
		Adriatic Sea	hake	
Lake & pond production	Cold water	North Norwegian Lakes	brown trout, arctic char, whitefish, vendace	
		Italian Lake Garda	whitefish, arctic char	Cooperativa fra pescatori di Garda
	Warm water	Czech Republic Lakes	catfish, pike-perch, carp, whitefish	
		Hungary	carp, catfish	Hungarian Fish Farmers' Association
Marine aquaculture	North	NE Atlantic	salmon, cod	Marine Harvest
	South	Greece	sea bass, meagre	Federation of Greek Maricultures
	Coastal	Spain, Iberian Upwelling	blue mussel, carpet shell	PROINSA
		Scotland	blue mussel, flat and cupped oyster	
		Italy	blue mussel, carpet shell	

