

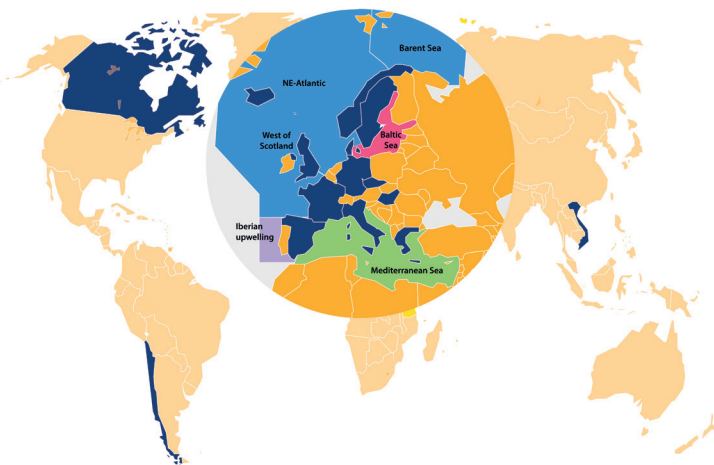
Stakeholders

In ClimeFish, scientists and stakeholders work together to make sure experience-based knowledge is integrated in the various scientific analyses to ensure that the knowledge we produce is scientifically acceptable, has policy relevance and social robustness.

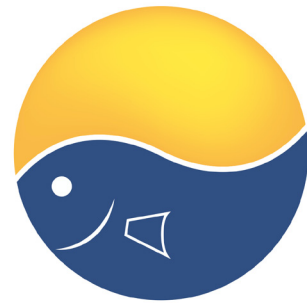
Stakeholders and scientists will work together to develop the ClimeFish Decision Support Framework and a roadmap for successful implementation of recommendations from the framework.

Stakeholders will also be given training on developing climate-smart fisheries and aquaculture strategic planning.

Strong stakeholder involvement in ClimeFish is guaranteed by including ICES, FEAP and FAO as project partners, key international organizations dealing with fishery, aquaculture, or both.



ClimeFish partners and stakeholders are all over the world



ClimeFish

Climate change influence biological diversity and ecosystems all over the world.

How these changes affect food production is essential for planning sustainable growth.

The complexities of change on the distribution and production in the fisheries and aquaculture sector are addressed by ClimeFish.

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ClimeFish

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



April 2016 – March 2020



European
Commission

Horizon 2020
European Union funding
for Research & Innovation



- Knowledge gap analyses on the most important and the less resilient fish species in Europe
- 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) including a Decision Support Tool (DST) software application based on the simulation and forecasting models

Outcomes



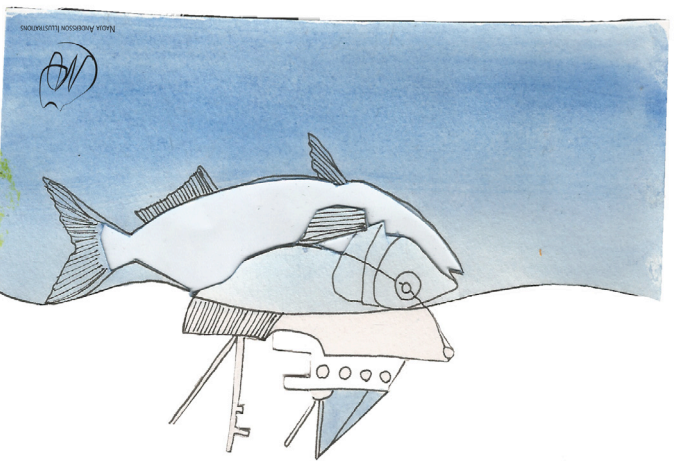
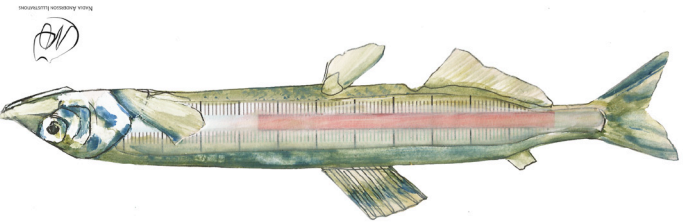
- Forecasting the impact of climate changes upon growth and survival of the most important and the less resilient exploited European fish stocks and aquaculture species in 16 case studies
- Evaluating species within the specific ClimeFish case studies that have the potential for sustainable growth and increased seafood production, based on expected climate change scenarios
- Contributing with knowledge that may lead to a more precautionary approach to manage fisheries and aquaculture, secure robust employment and sustainable development of communities
- Developing the ClimeFish Decision Support Framework with stakeholders so that barriers between researchers, authorities, managers, fishers, producers, markets and consumers and an easier implementation is achieved

Sector	Case #	Geographical area	Species
Marine Fisheries	C1F	NE Atlantic	Herring, mackerel, capelin, blue whiting, anchovy, sardine
	C2F	Baltic Sea	Herring, sprat
	C3F	Baltic Sea	Cod
	C4F	Barents Sea	Cod, haddock
	C5F	West of Scotland	Hake, cod
	C6F	Adriatic Sea	Hake
Lake and pond production	C7F	North Norwegian lakes	Brown trout, Arctic char, whitefish, vendace
	C8F	Italian Lake Garda	Whitefish, Arctic char
	C9F	Czech Republic lakes	Catfish, pike-perch, carp, whitefish
	C10A	Hungary	Carp, catfish
Marine Aquaculture	C11A	NE Atlantic	Salmon, cod
	C12A	Greece	Sea bass, meagre
	C13A	Spain, Iberian upwelling	Blue mussel, carpet shell
	C14A	Scotland	Blue mussel, flat and cupped oyster
	C15A	Italy	Blue mussel, carpet shell
	C16AF	European waters overall	All species listed above

The 16 cases that are included in ClimeFish

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.



How