Stakeholder engagement in the management strategies for the Atlantic Iberian waters: from the identification of priorities to the evaluation of a Multiannual Management Plan

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Iberian Waters Case Study

Economists

Biologists

MYFISH
Iberian Waters

Mathematician

Stakeholders

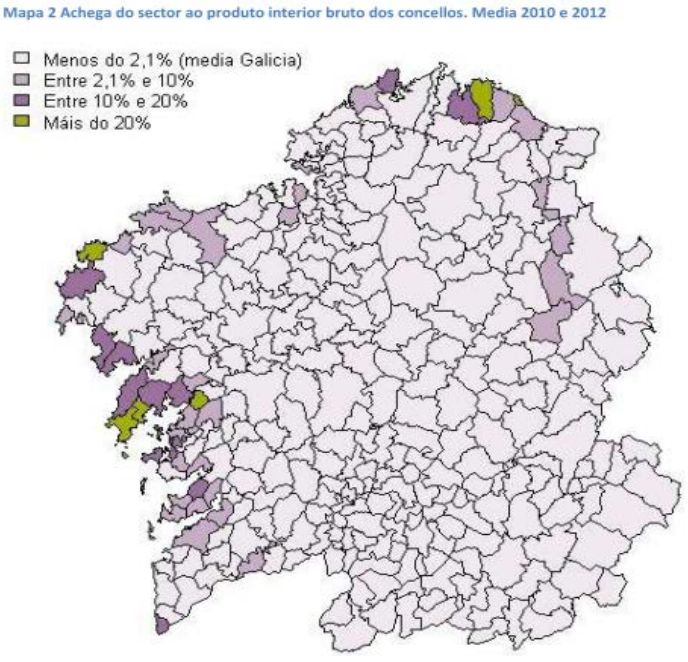
myfish
Maximising yield of fisheries while balancing ecosystem, economic and social concerns

Industrial /Artisanal
Multi-fleet, Multi-species

GALICIA

GrossDomesticProduct: 2.1 %

Region with high socio-economic dependency on fishing.



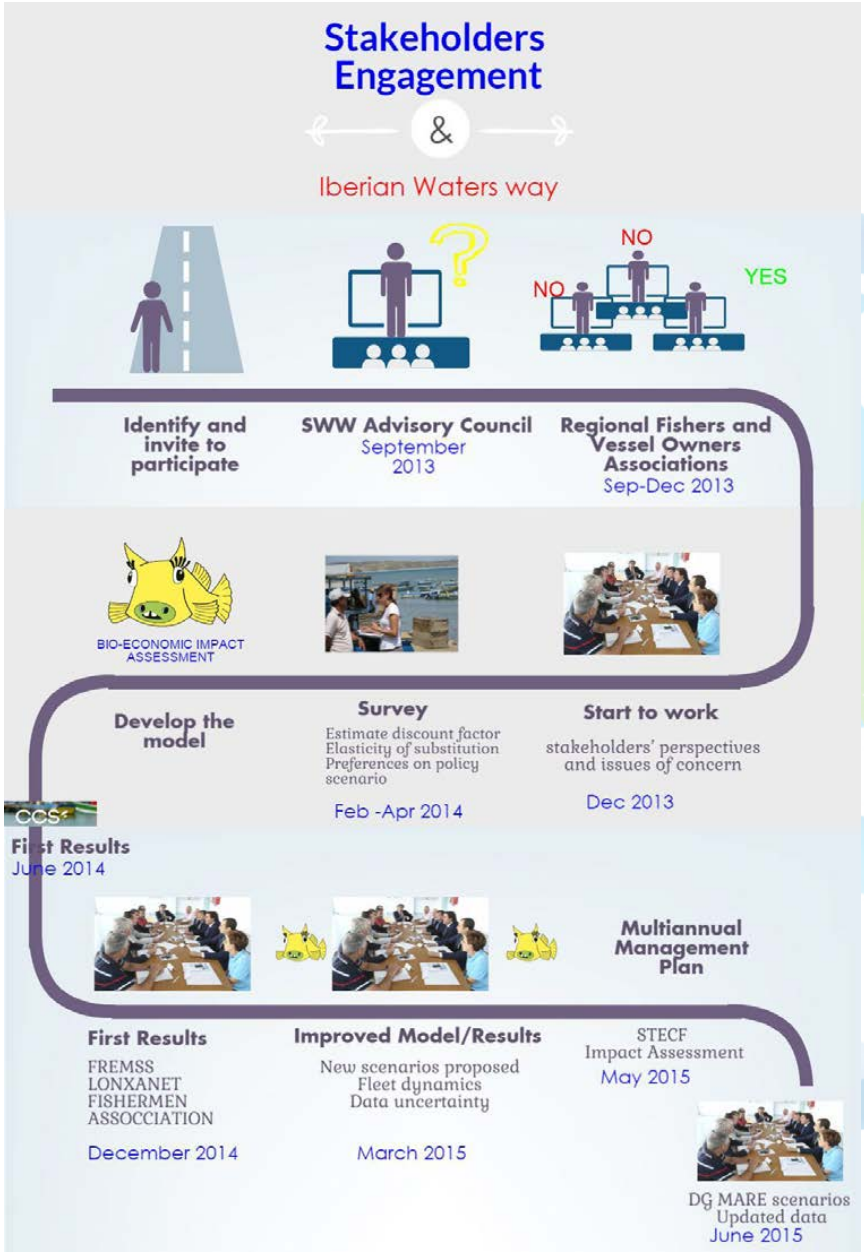
source: IGE, 2015

Short history of scientists-stakeholders involved in a model development process.

The cooperation was possible.

SWW Advisory Council and Regional stakeholders associations, focus on Galicia.

T h e way:


Stakeholders Engagement
&
Iberian Waters way
NO
NO
YES
Identify and invite to participate
SWW Advisory Council
September 2013
Regional Fishers and Vessel Owners Associations
Sep-Dec 2013
BIO-ECONOMIC IMPACT ASSESSMENT
Develop the model
Survey
Estimate discount factor
Elasticity of substitution
Preferences on policy scenario
Feb -Apr 2014
Start to work
stakeholders' perspectives and issues of concern
Dec 2013
First Results
June 2014
Multiannual Management Plan
First Results
FREMSS
LONXANET
FISHERMEN ASSOCCIATION
December 2014
Improved Model/Results
New scenarios proposed
Fleet dynamics
Data uncertainty
March 2015
STECF
Impact Assessment
May 2015
DG MARE scenarios
Updated data
June 2015

IDENTIFY the major stakeholders and invite them to participate in the process

South Western Waters Advisory Council September 2013

Very well welcomed.
No time to participate actively.

IDENTIFY the major stakeholders and invite them to participate in the process

Focus on Galicia.

Go directly to different fishermen and vessel owners association or organizations. More than 10 meeting contacts

1 positive answer.

Sep- Dec 2013

Start to work

What expected from each other?

The stakeholders' perspectives and issues of concern will provide the basis for defining the model's purpose and use.

December-2013

Start to work

Main priorities are:

Stability: TAC inter-annual change.

Direct and indirect employment: to analyze the employment in the model.

Future:

Landing Obligation: different scenarios to simulate the potential effects of LO.

More opinions

Survey
Fieldwork: different harbours
Semi-structured Interviews

Bio-economic optimization model (daRocha et al., 2012) :

Estimate discount factor.
Management scenarios preferences.

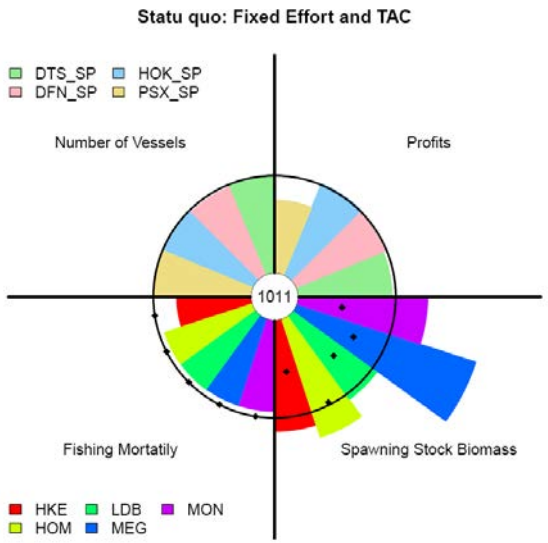
Ranked scenarios	% ranking: first place	% ranking: second place	% ranking: third place	% ranking: fourth place
Scenario I: Maintaining nº of fishing days even if captures decrease over time.	11%	22%	64%	3%
Scenario II: 26% reduction in TACs to increase total caches in future years.	3%	56%	36%	0%
Scenario III: 23% reduction in TACs, so captures never lower than 70% of current captures.	78%	22%	0%	0%
Scenario IV: the highest captures in studied period, but higher annual variability.	3%	0%	0%	97%

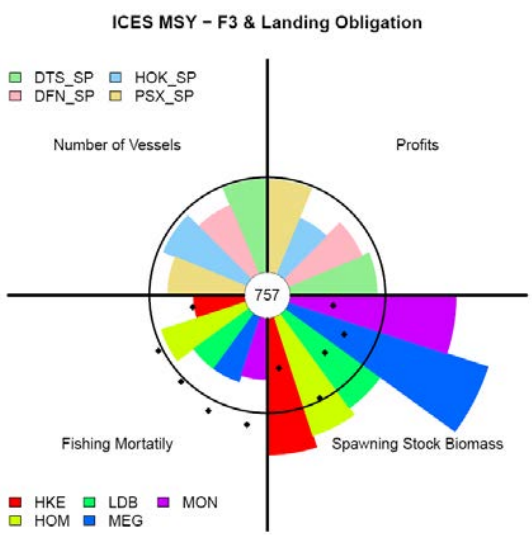
Feb-Apr 2014

First Results

June 2014

SWW Advisory Council





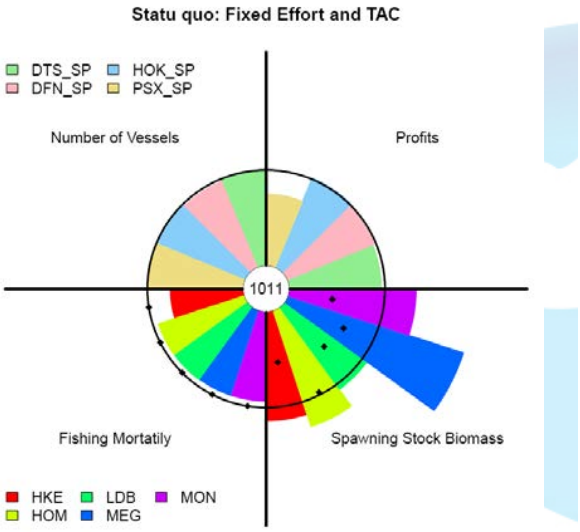
Tool is useful for the Iberian Sea case study and also an example for other regions.

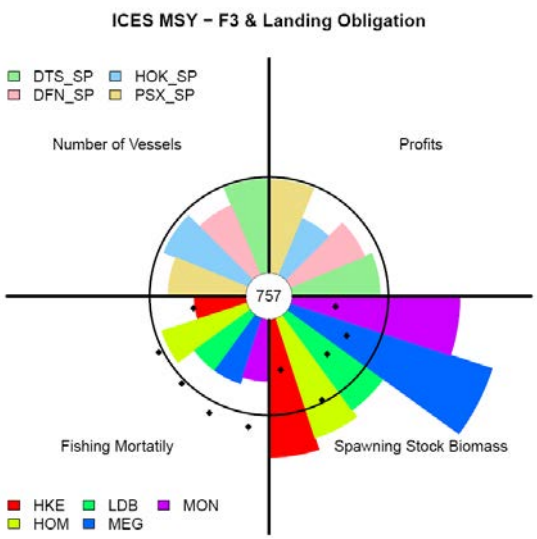
More time to familiarize with the work and the results.

First Results

September 2014

FREMSS
LONXANET
Galician Fishermen Association





Feedback

New simulations proposed.

New stocks to incorporate to the model: new limiting stocks.

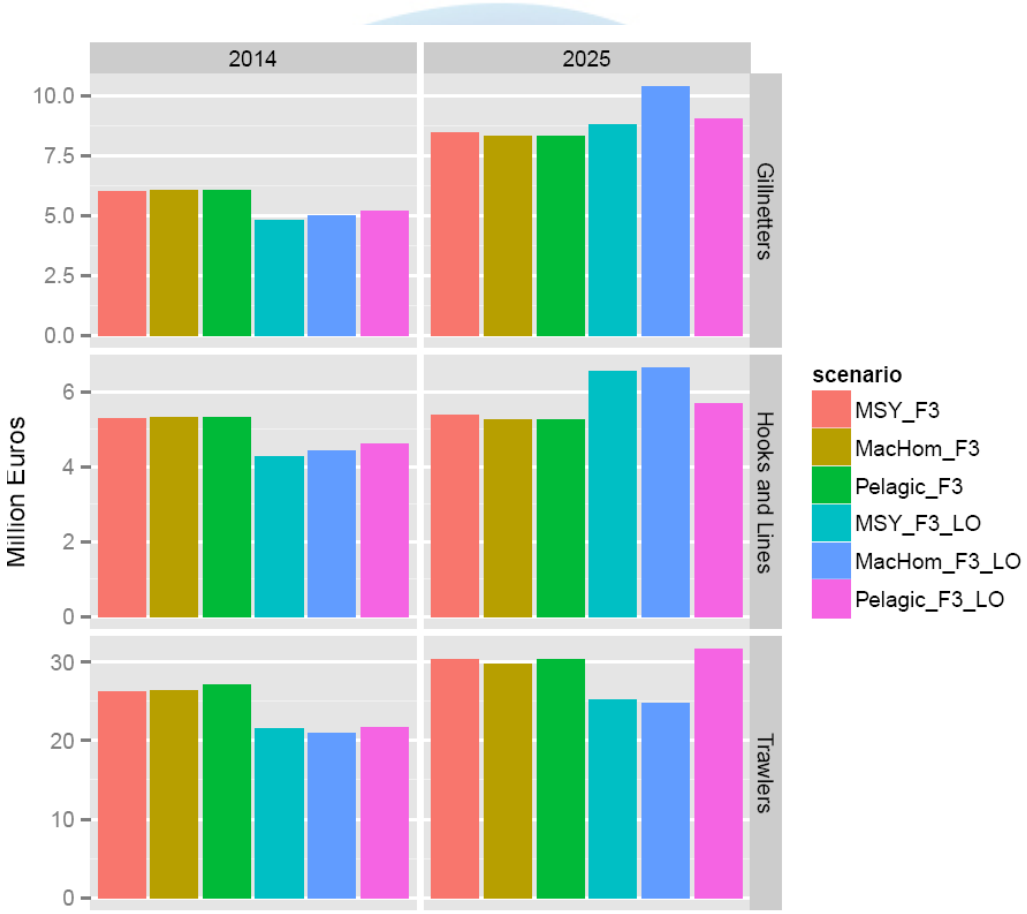
Analyze global prices: incorporate the trends in global price that are affecting to the fish prices.

New simulations

March 2015

FREMSS

Iterative process of model application and analysis of results was established.



Evaluation of Multiannual Management Plan

June 2015

FREMSS

Impact Assessment Meeting (STECF-May2015) of Multi-annual Management Plan in Western EU Waters.

FLBEIA was used for Iberian Waters.

F_{MSY} ranges employed.

New scenarios proposed by DG-MARE.

myfish
Maximising yield of fisheries while balancing ecosystem, economic and social concerns

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Iberian Waters way

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FINAL MESSAGE

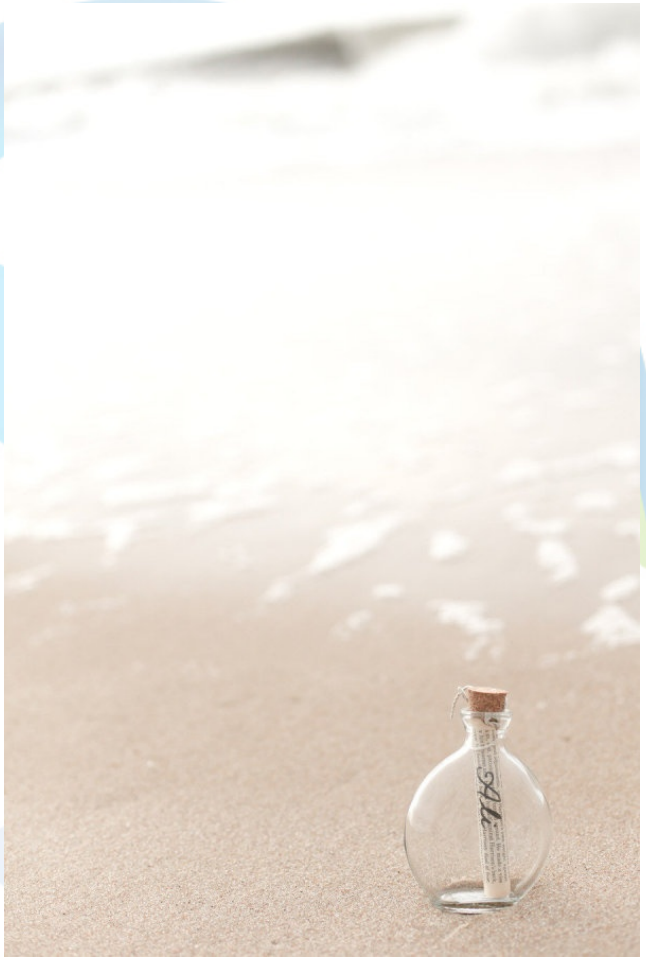
From scientists' point of view:

The fishers' involvement in the building of bio-economic model has been advantageous.

It should be set from the very beginning and maintain across the whole process.

The process would have required the involvement of other stakeholders: public administration.

FINAL MESSAGE

(We guess)

Even when the results are not always the expected by actors, the transparency and understanding of management process are clear benefits.