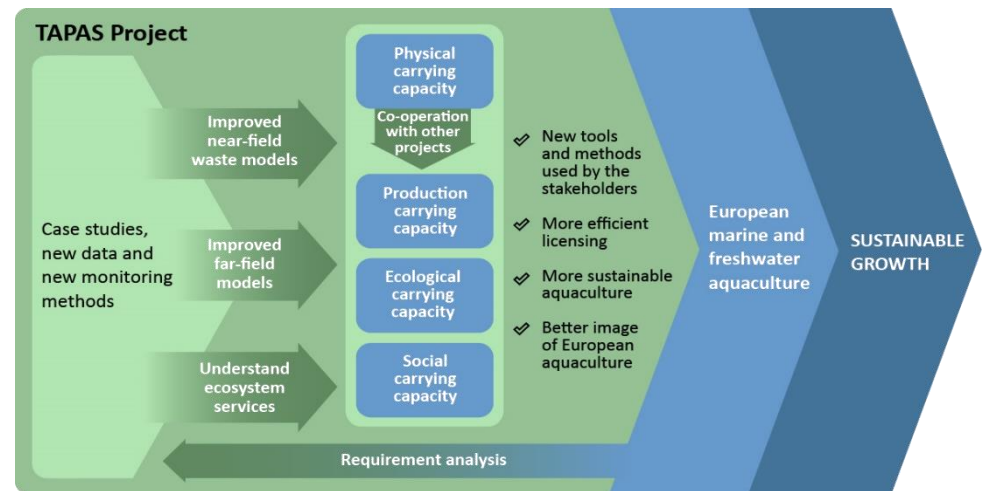# Tools for Assessment and Planning of Aquaculture Sustainability

TREVOR TELFER

Coordinator

Project description

What is the project about?

- Innovative use of new and existing tools to maximise and manage carrying capacity more effectively.

- Support the long term monitoring of ecosystem carrying capacity and environmental risks to make aquaculture more sustainable and transparent to the public.

- To help EU aquaculture reduce administrative burdens and improve market opportunities.

Project description
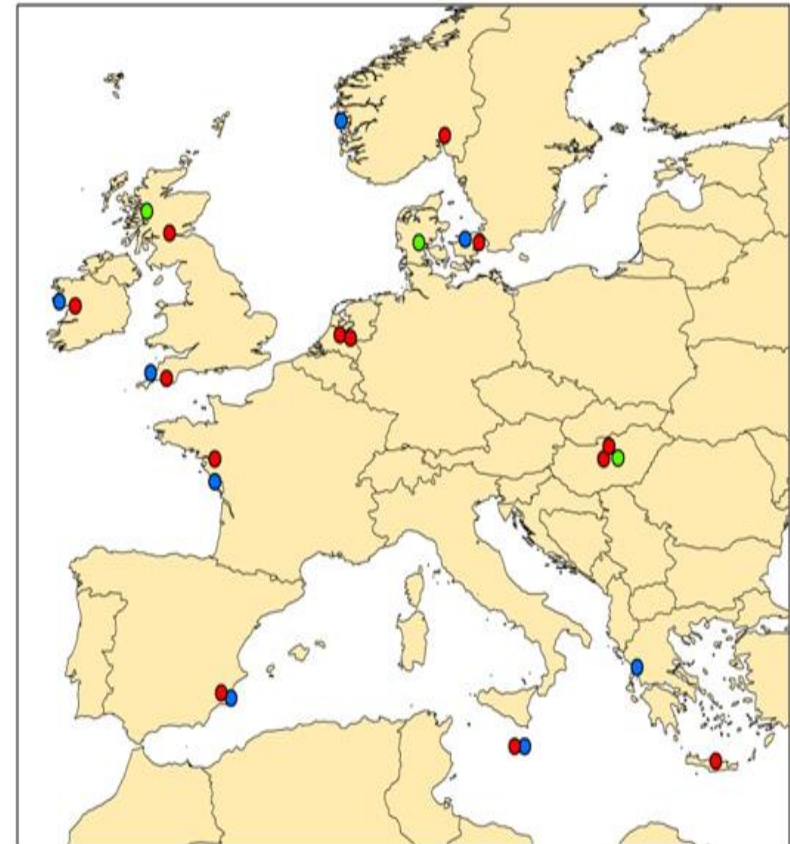
What are the main objectives?

- To identify sustainability requirements and licensing approaches, and identify bottlenecks hampering cost-efficient licensing and regulatory practices.

- To identify the gap between the availability of and needs for models, methods and frameworks, and critically analyse and refine existing tools and technologies

- To assess the environmental services provided by European aquaculture

- To strengthen management practices and develop an Aquaculture Sustainability Toolkit for timely and cost-efficient environmental assessment and regulation

What will the project offer?

- Environmental models, tools, approaches and decision frameworks (***TAPAS-Smart***) to support EU Member States towards establishing a coherent and efficient regulatory framework and implement the Strategic Guidelines for sustainable development and growth of European Aquaculture
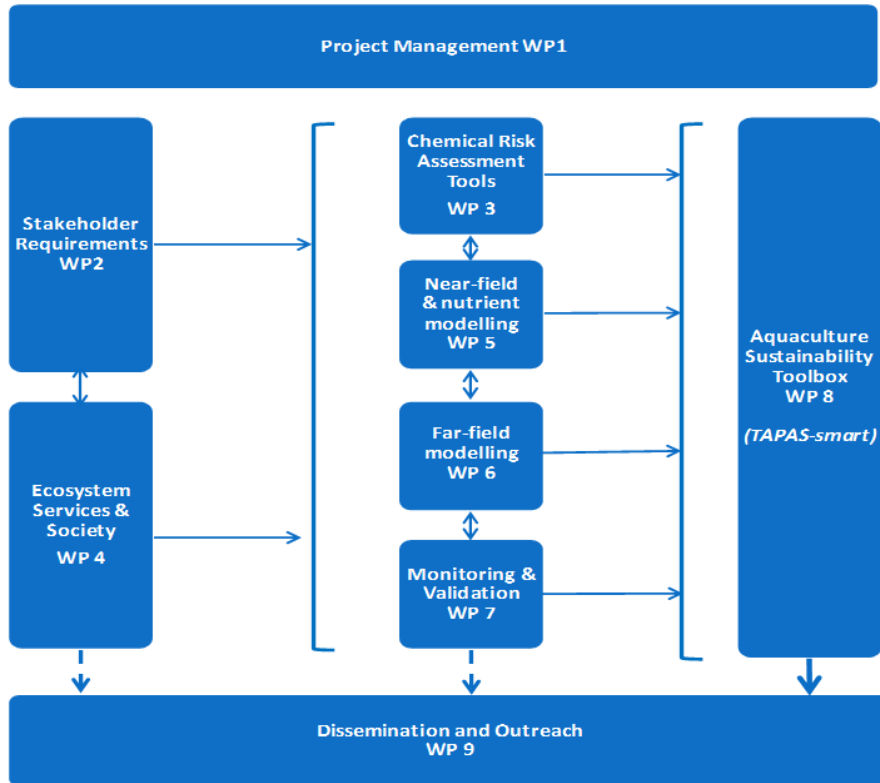
Consortium overview

Participant organisation name	Country
University of Stirling (coordinator)	UK
NIVA	Norway
DHI	Denmark
Water Insight BV	Netherlands
Alterra - Wageningen UR	Netherlands
Plymouth Marine Laboratory	UK
Universidad de Murcia	Spain
Université de Nantes	France
Hellenic Centre for Marine Research	Greece
Szent Istvan University	Hungary
AquaBioTech Group Limited.	Malta
Marine Institute	Ireland
NACEE – Eastern Europe	Hungary
Aquaculture Stewardship Council	UK
Fundacion Imdea Aqua	Spain

● TAPAS partners
○ Freshwater case studies
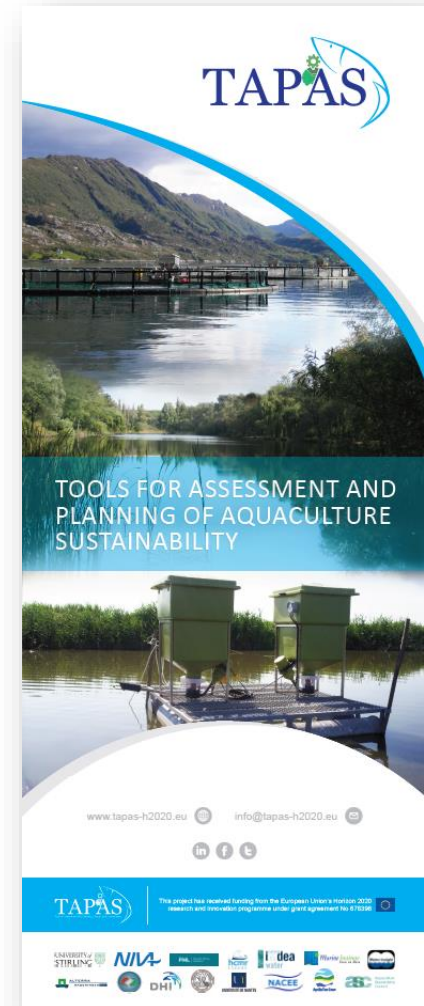● Marine case studies

Consortium overview

Who is leading what?

- **WP1** – Project management (*UOS*)

- **WP2** - Requirements Analysis and Stakeholder Integration (*MI*)

- **WP3** - Environmental Risk Assessment of potentially toxic substances (*ALT*)

- **WP4** - Ecosystem Services and Societal models (*NIVA*)

- **WP5** - Near Field Models for regulation and site selection (*UOS*)

- **WP6** - Far Field Models (*PML*)

- **WP7** - Monitoring and Validation (*WI*)

- **WP8** - Aquaculture Sustainability Toolbox (*TAPAS-smart*) (*DHI*)

- **WP9** - Dissemination, Outreach and Exploitation (*ABT*)

Consortium overview

Important dates:

- Key stakeholder engagement & workshops (Sept 2016)

- Requirements analysis and bottle-necks to EU regulation (Sept 2017)

- External tools evaluated (Sept 2017)

- Preliminary TAPAS models available for testing (March 2018)

- Datasets from case-studies completed (March 2019)

- Full *TAPAS-Smart* available for testing (June 2019)

- All project results available for exploitation (Feb 2020)

Comm & dissemination strategy

What are the potential results to be produced?

- Stakeholder/regulatory needs analysis
- Case study data, including real-time monitoring
- *TAPAS-Smart* toolbox decision support framework
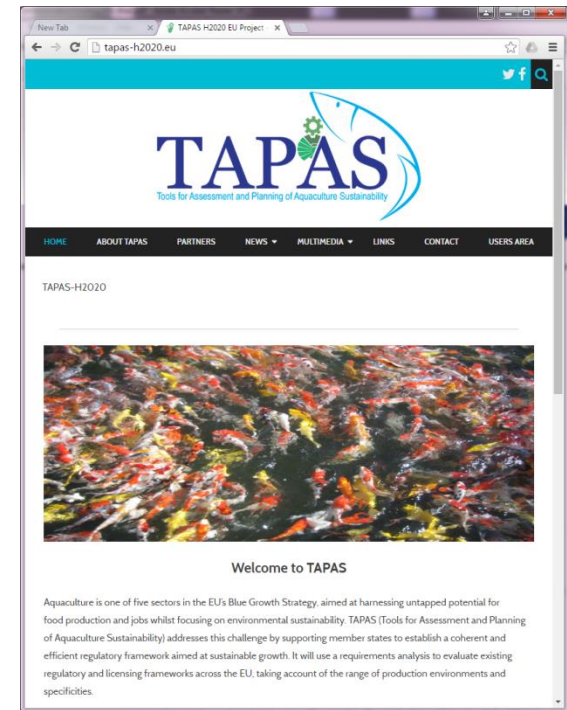
How will they be disseminated and promoted?

- Website; Publications; *TAPAS-Smart* training courses, Conferences, etc

What communication channels will be used?

- Website; Social media; Newsletter; Workshops; Events, etc

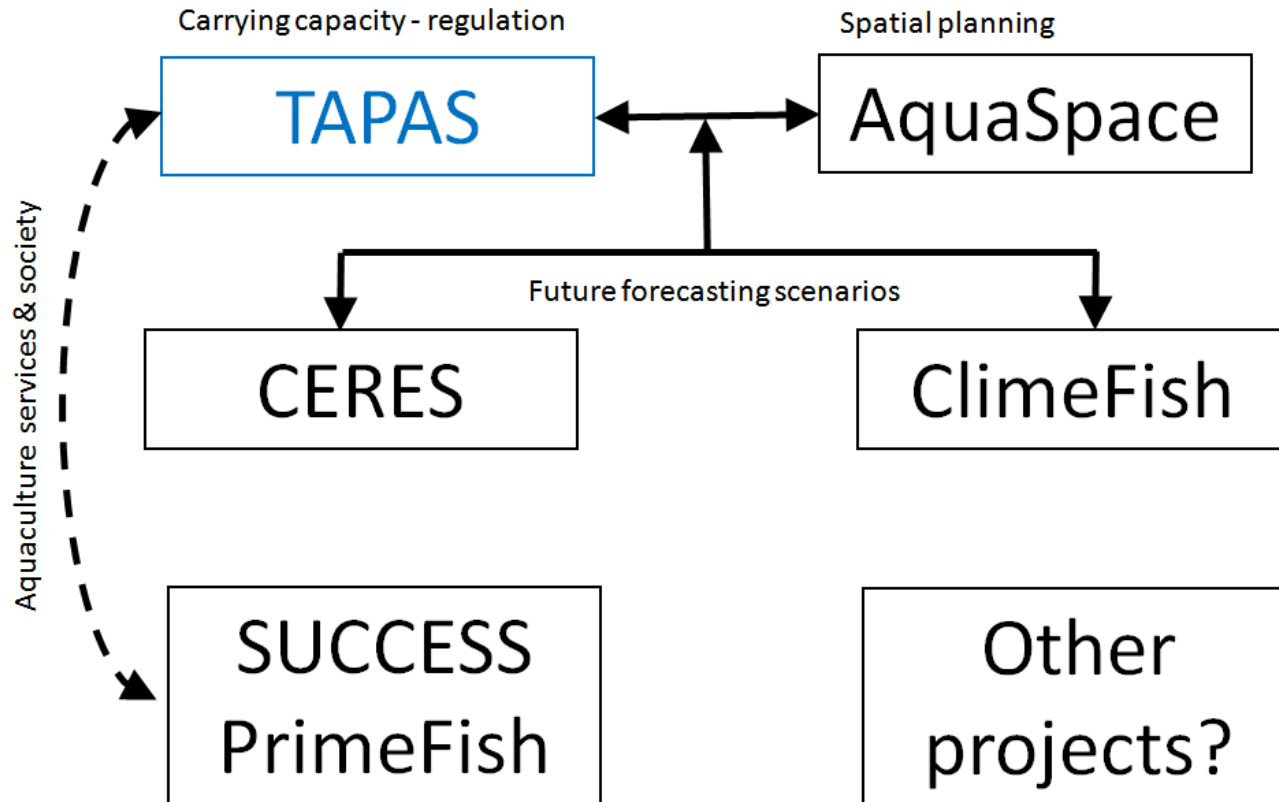**Do you intend to liaise with existing EU initiatives?**

- Where appropriate and possible

http://tapas-h2020.eu/

Links with other EU projects

Related projects?

www.tapas-h2020.eu

info@tapas-h2020.eu