



Dear colleague,  
We would like to draw your attention to a **symposium** on

## **Forage fish interactions: Creating the tools for ecosystem based management of marine resources**

The symposium will be held from **12–14 November 2012**, at Ifremer, Nantes (France) convened by Stefan Neuenfeldt (DK), Myron Peck (DE), and Tim Essington (US). The symposium will be held in close collaboration with the EU-FP7 project FACTS (Forage Fish Interactions). The goal of the symposium is to review and discuss recent methods that enable us to **quantify the links between forage fish and the other components of the ecosystem** (from plankton to top predators and humans). The symposium will be based around three themes:

**Drivers of change:** How do extrinsic drivers control the productivity and distribution of forage fish stocks within various ecosystems world-wide? What is the trophodynamic role of specific species in specific systems and how have those species responded to changes in climate-driven processes?

**Management of marine resources:** In specific systems, what are the economic and ecological costs and benefits of different forage fish management strategies? What tools exist or need to be developed to allow management to assess economic and ecological changes in a meaningful way?

**Common Traits:** What general lessons can be learned that will aid in the development of sustainable exploitation particularly in light of maintaining food security for developing nations?

**Confirmed key note speakers:** Jake Rice (Canada), Akinori Takasuka (JP), Geir Huse (N), Røgnvaldur Hanesson (N), Jason Link (US), Jeremy Collie (US)

For regular updates please check [www.facts-project.eu](http://www.facts-project.eu)



The FACTS project  
has received funding from  
the European Community's  
Seventh Framework  
Programme





# Forage fish interactions: Creating the tools for ecosystem based management of marine resources

A symposium from **12–14 November 2012**, at Ifremer, Nantes (France)

The overall key note will be given by Jake Rice, Canada, on Challenges and Opportunities for forage fish management in the first half of the 21<sup>st</sup> century. Five theme sessions will be convened that will open with an invited, keynote presentation:

## **Climatic and biotic mechanism forcing on forage fish population recruitment**

(Key note: Akinori Takasuka, Japan )

## **Post recruitment predator-prey dynamics in ecosystems world-wide**

(Key note: Geir Huse, Norway)

## **Linking biology and economics**

(Key note: Rognvaldur Hanesson, Norway)

## **Ecosystem-based management**

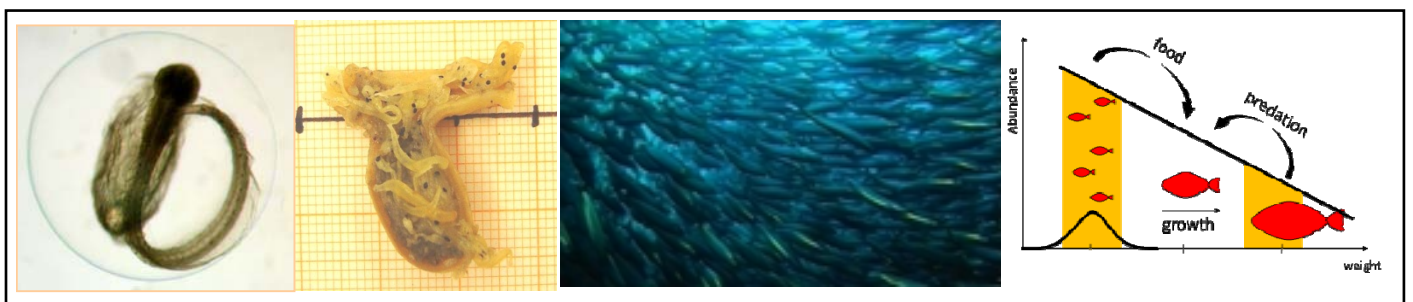
(Key note: Jason Link, USA)

## **Comparisons between ecosystems and generic properties**

(Key note: Jeremy Collie, USA)

**Panel discussion: What exactly is a healthy ecosystem? Managing Forage Fish: What do we want and why?**

The abstract submission deadline for oral or poster presentations will be early spring 2012. Speakers will be encouraged to submit articles for a special issue of ICES Journal of Marine Science.



For regular updates please check [www.facts-project.eu](http://www.facts-project.eu)