



Information Day on EO Exploitation Activities of ESA's Strategic Initiative: **Aquaculture**

**Norwegian Space Centre
Oslo, Norway
2011 March 15**

Espen Volden

ESA CLIMATE CHANGE INITIATIVE

ESA DATA USER ELEMENT

ESA VALUE ADDING ELEMENT



- Background:
 - Aquaculture continuously growing; important sector in several STRIN countries
 - Companies/institutions in STRIN countries have relevant competence and experience
- Target users:
 - Government agencies and administrations in charge of the aquaculture sector
 - Government agencies, administrations and NGOs involved in the monitoring of environmental effects of aquaculture
 - Companies directly involved in aquaculture production
 - Institutional and industrial providers of products and services to the aquaculture sector
 - Users both inside and outside Europe
- Key objectives to be achieved
 - Increased acceptance of EO-based information products and services in Aquaculture user communities
 - Increased integration of EO into users information systems

THROUGH

 - Exploitation of state-of-the-art EO technology, in-situ measurement, and modelling, *resulting in*
 - New products and improved quality of existing products
 - Strong involvement of Users throughout the project
 - Demonstration of benefits to Users



- Services supporting:
 - locating optimal sites for aquaculture
 - monitoring production conditions and threats
 - monitoring environmental impacts
- Main tasks:
 - Consolidating requirements with users
 - Developing products and services tailored to users' requirements
 - Technical validation
 - Delivery of prototype services to users over a time period
 - Assessment of utility by Users
- Related Activities:
 - Previous EOMD projects
 - GSE MarCoast
 - DUE CoastColour
 - VAE Coastal Outlet Monitoring
 - FARO, SAFARi & ChloroGIN
 - Previous EC FP projects
 - MyOcean
 - AQUAMAR
 - ASIMUTH
 - CoBios
 - MEDINA



Aquaculture User Consultation

31 March – 1st April in Oslo

Objectives:

Define a detailed set of user requirements for the future ESA Aquaculture project, including priority information products and services and priority regions of interest

Sessions:

Presentations of state-of-the-art of remote sensing applications for aquaculture

Presentations of user requirements

Elaboration of user requirements and other recommendations to ESA for the Aquaculture project

- Information and registration:

<http://earth.eo.esa.int/workshops/Aquaculture2011/>

