

OPEC (283291)

Marine Ecosystem forecasting to
enhance marine GMES applications

Marine Ecosystem forecasting to enhance marine **GMES** applications

- Nine partners
- Total cost: 2.6M EURO
- **Project Funding: 2.0M EURO**
- 01.01.2012 – 12.31.2014, 36 months
- Coordinator: Icarus Allen, jia@pml.ac.uk
- Satellite or in situ data (product) inputs
 - MyOcean Ocean Colour TAC
 - MyOcean SST TAC
 - My Ocean Operational model (regional model forcing)
 - ESA Coast Colour (coordinated by Brockman Consult)

Objectives and overall challenges

- **The OPEC project (Operational Ecology) will help develop and evaluate ecosystem forecast tools to help assess and manage the risks posed by human activities on the marine environment, thus improving the ability to predict the “health” of European marine ecosystems.**
- **Products and services generated by OPEC will provide tools and information for environmental managers, policymakers and other related industries, laying the foundations for the next generation of operational ecological products and identification of knowledge / data gaps**





OPEC will use the EU's [Global Monitoring for Environment and Security Marine Service](#) as a framework and feed directly into the research and development of innovative global monitoring products or applications. This in turn will advise policies such as the [European Marine Strategy Framework Directive](#) as well as the continued monitoring of climate change and assessments of mitigation and adaptation strategies.

OPEC focuses on regional seas and plans to implement a prototype ecological Marine Forecast System, which will include hydrodynamics, lower and higher trophic levels (plankton to fish) and biological data assimilation.

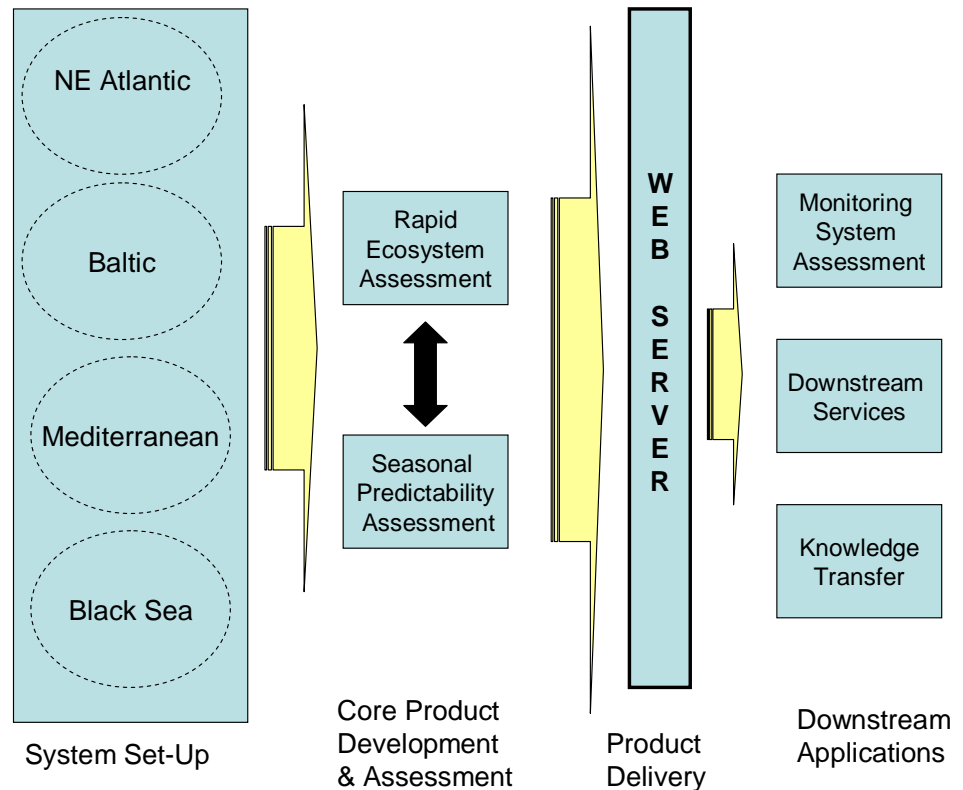
Contact Information

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Existing links to other projects

- Links to MyOcean:
 - Establish the OPEC Marine Core Service Stakeholder Group (MCSSG): establish road map for implementation in core service.
 - DMI, PML, OGS, HCMR all partners in My Ocean: direct cross fertilisation of Model Development
 - MyOcean data portal: Ocean Colour TAC