

CoastColour

User Consultation Meeting 3

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Background and Objectives



CoastColour is a project under ESA's Data User Element Programme:

“...to encourage the establishment of a long-term relationship between user communities and Earth Observation...”

- Strengthen user communities for EO data
- Develop and demonstrate new EO based services responding to user needs
- Transfer research into EO applications



GlobColour & Marcoast projects clearly indicated a strong user need for further development and demonstration of the advanced capabilities of MERIS in Case 2 water **globally**

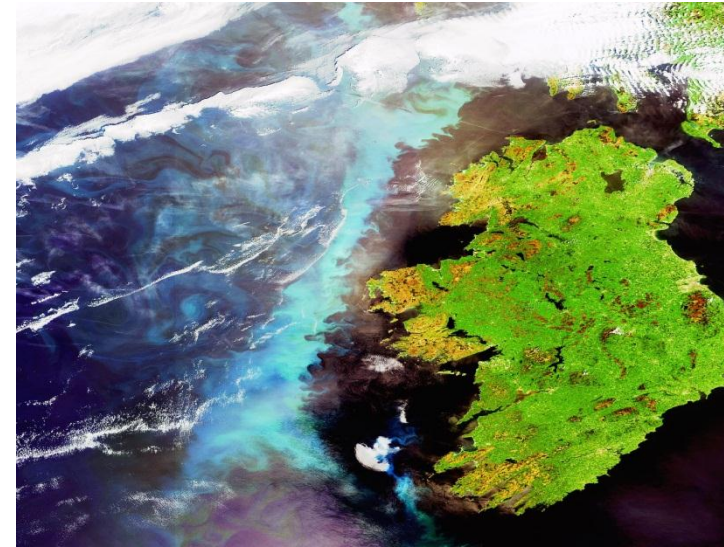
User Consultation Meeting

Cork, Ireland - March 2009

=> 60 Participants

34 "Champion Users" provided

- Statements of User Requirements
- Project Commitment Letters



UCC

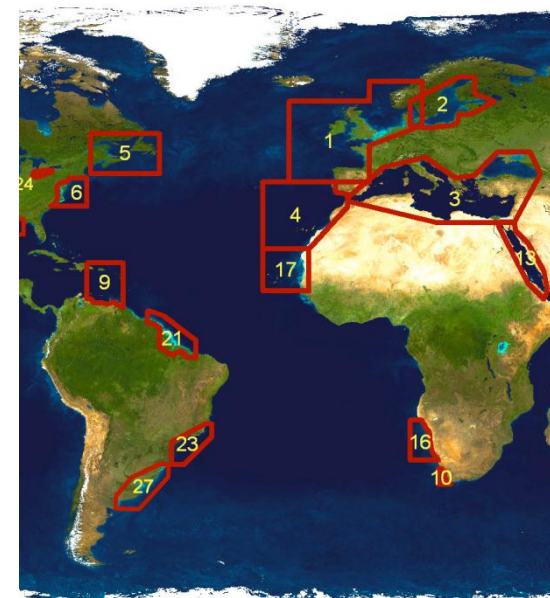
Coláiste na hOllscoile Corcaigh, Éire
University College Cork, Ireland



National Maritime College of Ireland
Coláiste Náisiúnta Mara na hÉireann

User Requirements → Project Objectives

1. To develop, validate and demonstrate best-practice regional optimisations of MERIS Case 2 retrieval algorithms over globally distributed test sites.
2. To investigate the relative merits of MERIS Case 2 ocean-colour algorithms compared to other sources of coastal ocean-colour information.
3. To assist the scientific community to fully exploit the MERIS in coastal waters.



CoastColour Project

- ESA "Invitation To Tender" issued in July, closed Sept 2009
- Project KO: 4 Jan 2010, 2 year duration
- Budget: 1.5 Meuro

Consortium:

- Brockmann Consult (D)
 - Plymouth Marine Laboratory (UK)
 - GKSS (D)
 - MUMM (B)
 - University of Lisbon (P)
 - University of Littoral (F)
- + supported by international team of consultants:
KORI, DFO, JRC, CSIR, Mississippi, CSIRO, NASA

User Consultation #2

- ESRIN, Frascati, Nov 2010
- 70 participants

Objectives of This Meeting

- To raise awareness about the CoastColour project
- To present the work done in the first two years, and the plan for the next year
- To obtain YOUR feedback on all aspects of the project
- To examine YOUR requirements for future activities



1. Ocean and Land Colour Instrument (OLCI) – an improved MERIS
2. Sea and Land Surface Temperature Radiometer (SLSTR) – an improved ATSR
3. Sea & Ice Topography Payload (SRAL, MWR, GNSS, DORIS, LRR)



OPERATIONAL MISSION

- Launch: end 2013, ...
- Revisit at equator = 2 days (or daily with 2 satellites)
- 7 year lifetime (max. 12 yrs)