



Celtic Voyager

- Successful delivery of 262 scientific days
- 77 day "Infomar" bathymetric survey using EM3002D shallow water multi-beam
- UWTV System performing well for Nephrops assessment (30 days) PA
- 3m Vibrocorer used successfully from the Voyager in >100m water depth



Marine Institute Vessel Activity 2009



"Holland I" ROV

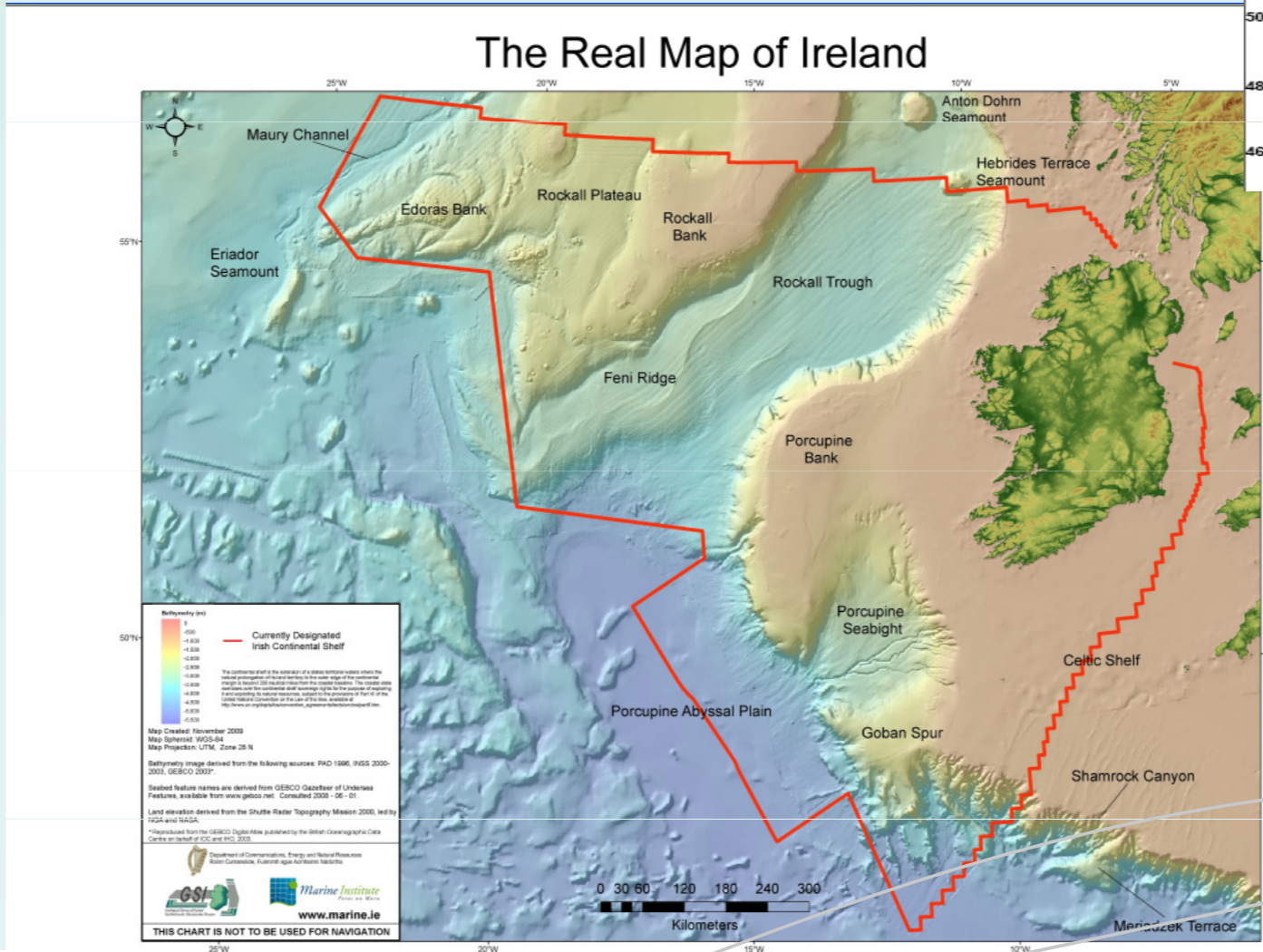
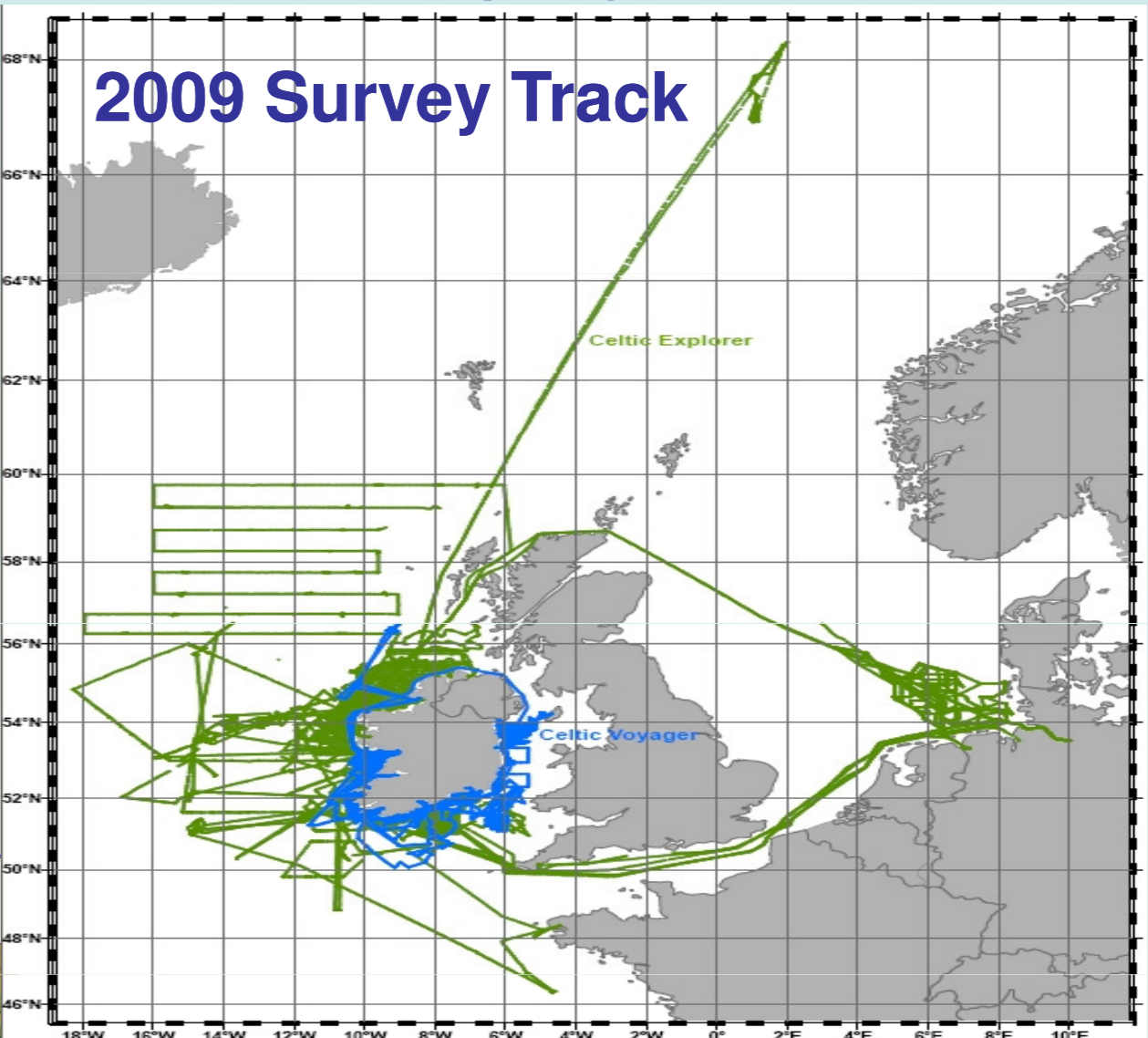
- 3000m rated
- 100hp Hydraulic power
- 2 x 7 f, 1 X 5 F manipulators
- HDTV system
- In service since Jan 2009

Celtic Explorer

- Successful delivery of schedule for CE, total of 306 scientific days completed
- 3 "Holland I" ROV surveys totalling completed
- Kiel 6000 ROV mobilised for survey in North Sea (20 days) also Irish built "Latis" ROV mobilised and trialled
- Deepwater fishing survey completed in December as well as annual groundfish/ acoustic programs

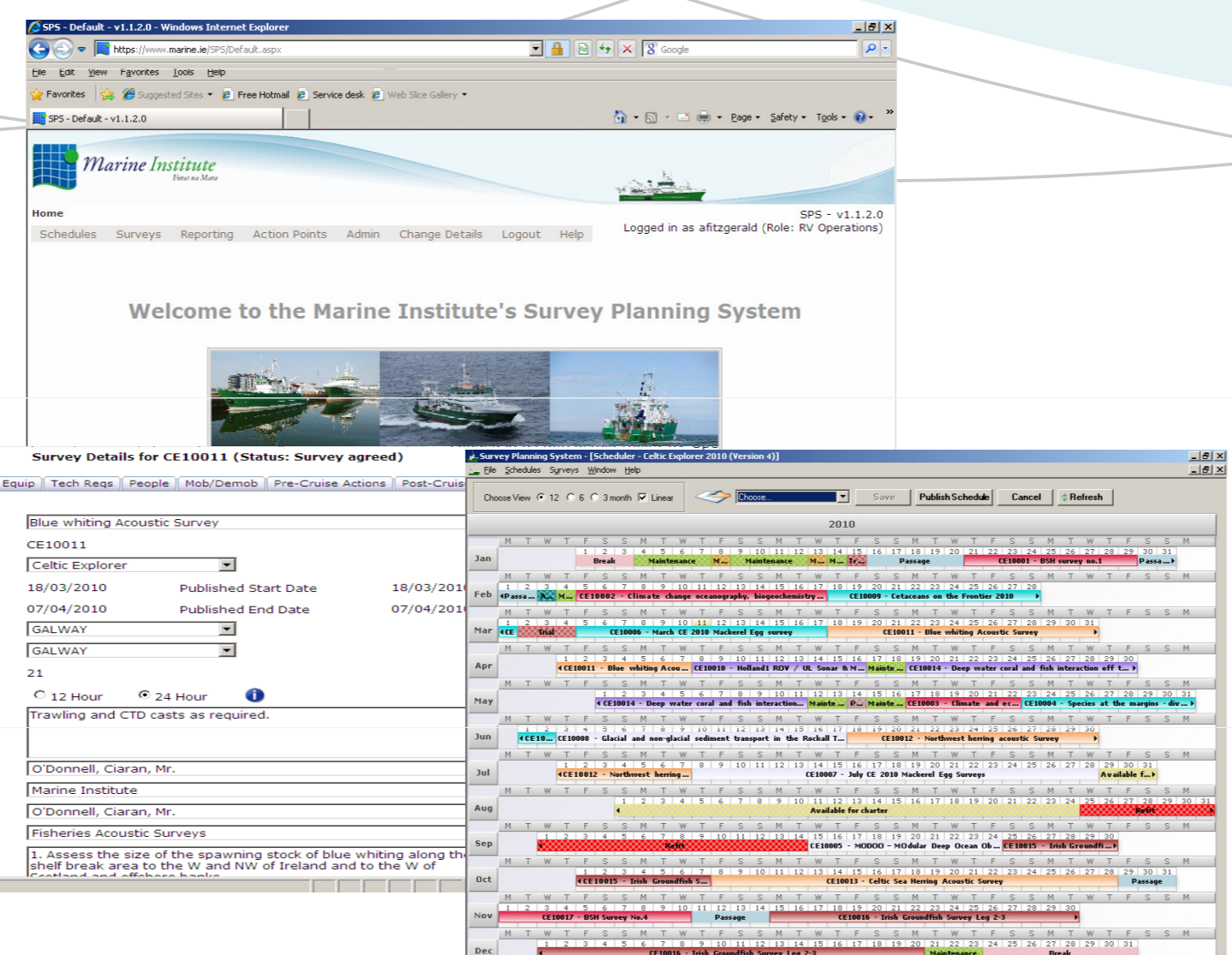
Modifications/Acquisitions/Upgrades

- Celtic Explorer IT Network upgraded from 100MBps to 1GBps
- Increase in Celtic Explorer berths from 31 to 35 to allow for increased numbers of personnel for ROV operations, mess facilities increased
- Eddy correlation CO2 flux system for long term experiment for National University of Ireland, Galway and underway PCO2 system installed.
- Survey Planning System designed and developed in house, phased into use beginning Q4 2009, fully operational for 2010.



New online Survey Planning System (SPS)

- Ship-time applications
- Scheduling
- Pre Cruise details
- Document management
- Survey details and logistics
- Post survey statistics
- Post cruise assessment



Challenges for 2010...

- Development of ROV capabilities
- Funding issues in light of economic climate
- Tender process for vessel technical and operational support services



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