

INFOMAR Seminar 2016

A Phase Change

*Integrated Mapping for the Sustainable
Development of Ireland's Marine Resource*

Marine Institute
Rinville, Oranmore, Co. Galway

Wednesday 19th October 2016

Seminar Focus: *Collectively Creating an INFOMAR Legacy*

Objective: *To assess the programme activity, and investigate the associated research and technology landscape*

Sessions:

- *The INFOMAR Birds Eye View*
- *Mapping Technology for Coastal Development & Management*



**Roinn Cumarsáide, Gníomhaithe
ar son na hAeráide & Comhshaoil**
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Wednesday 19th October, 2016 INFOMAR Seminar

Session 1: The INFOMAR Birds Eye View		
09:30	Welcome & Opening - <i>Koen Verbruggen (GSI) & Peter Heffernan (MI)</i>	
10:00	Reflections on mapping Ireland's EEZ – Wisdom or Folly <i>Archie Donovan (GSI)</i>	
10:15	A phase change in Irish seabed mapping <i>Tommy Furey (MI)</i>	
10:30	<i>Building on EU & International project collaboration for Irish industry, government & research</i> <i>Janine Guinan (GSI) & Fergal McGrath (MI)</i>	
10:45	Recent inshore and shelf mapping activities and challenges <i>Sean Cullen (GSI) & Kevin Sheehan (MI)</i>	
11:00-11:30	Discussion / Questions	Coffee Break & Poster Session
Session 2: Mapping Technology for Coastal Development & Management		
11:30	Tapping into INFOMAR data & products <i>David O'Sullivan & Deirdre O'Driscoll (MI)</i>	
11:45	Development of a coastal infrastructure web GIS with remote sensing focus <i>Gearoid O'Riain (Compass Informatics)</i>	
12:00	Quantifying coastal evolution along Donegal bay system using remote sensing approaches <i>Colman Gallagher (UCD)</i>	
12:15	Developments in autonomous vehicles for mapping challenging coastal areas <i>Dan Toal (UL)</i>	
12:30	Coastal modelling through low cost video based photogrammetry <i>Debra Laefer (UCD)</i>	
12:45	3D simulation of Ireland's "Ancient East" marine environment <i>Gavin Duffy (RealSim)</i>	
13:00 – 14:00	Discussion / Questions	Lunch & Poster Session

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Session 3: Mapping Technology for Coastal Development & Management

14:00 Mapping the spatial and temporal variations of water quality in Dublin Bay
Dermot Diamond (DCU)

14:15 UAV for intertidal and coastal zone mapping
Ronan O'Toole (Greenlight Surveys)

14:30 Development of a coastal infrastructure webGIS for Ireland using open source technology
Max Kozachenko (GeoCoast)

14:45 Developing a rapid, low-cost bathymetric survey methodology using multi-resolution imagery
Conor Cahalane (NUIM)

15:00 Developing an integrated approach to seaweed resource assessment
Tom Rossiter (NUIG / NUIM)

15:15 – Discussion / Questions

Coffee Break & Poster Session

15:45

Session 4: INFOMAR in Energy, Infrastructure, Environment, & Education

15:45 Irish sea suitability mapping for novel offshore foundations (ISSMaNOF)
Paul Murphy (Gaelectric/UCC)

16:00 Pollutants in marine sediments from the Irish continental shelf
Audrey Morley (NUIG)

16:15 Frequency of slope collapses on Rockall Bank and mechanical characterisation of the sediments
Aggeliki Georgiopoulou (UCD)

16:30 Linking sedimentary architecture and sediment sources in the NW Carboniferous Basin
Shane Tyrrell (NUIG)

16:45 A hydrography training programme demonstrator
James Riordan (SonarSim)

17:00 Environmental mapping of the Irish Deepwater EEZ
Xavier Monteys (GSI/IRC)

17:15 Questions & Wrap-up

