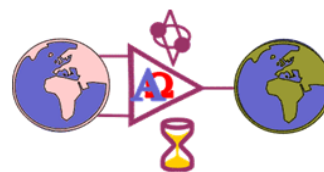


# INFOMAR Seminar 2013

# Achievements Opportunities Innovation

*Integrated mapping for the sustainable  
Development of Ireland's Marine Resource*

*The Pavilion  
University of Limerick  
9-10 October 2013*



Roinn Cumarsáide, Fuinnimh agus Acmhainní Nádúrtha  
Department of Communications, Energy and Natural Resources

# Conference Program

## October 09<sup>th</sup>

### **Registration**

- Session 1 Achievements and opportunities
- Session 2 Bridging the gap between industry & research
- Session 3 Mapping requirements & technologies
- Session 4 Coastal operations and challenges

### **Reception –**

Sponsored by Atlas  
Services Group



## October 10<sup>th</sup>

- Session 5 Mapping resources, boundaries, and change
- Session 6 Research projects & activities

### **Technical Demonstrations:**

- Unmanned autonomous vehicle deployment (NUIM)
- Remote ROV control, operations, simulation (UL)
- LiDAR & laser scanning demonstration (Murphy Surveys)
- Hydrographic data processing & management update (CARIS)
- Use of & access to marine data resources (INFOMAR Team)
  - Foreshore & Aquaculture Licensing Tool
  - Irish Digital Marine Atlas
  - Using INFOMAR GIS data resources
  - Chart products overview
  - INFOMAR data in Google Earth

## Wed 9<sup>th</sup> October INFOMAR: Achievements, Opportunities & Innovation

09:00	Welcome & opening	<i>Dr. Mary Shire, Vice President Research at UL</i>
09:10	<i>Mapping the future in a changing landscape</i>	<i>Koen Verbruggen, Director, GSI</i>
<b>Session 1: INFOMAR Programme – Achievements &amp; Opportunities</b>		
09:25	INFOMAR 2013 Survey Highlights <i>Archie Donovan (GSI)</i>	
09:45	INFOMAR PwC Programme Review, Findings, Opportunities, and Plans <i>Tommy Furey (MI)</i>	
10:05	Developing INFOMAR associated innovation, research, and business opportunities <i>Mark McCarville (Dublin Business Innovation Centre Ltd)</i>	
10:25	<b>Discussion / Questions</b>	<b>Coffee Break &amp; Poster Session</b>
<b>Session 2: Bridging the gap between Industry &amp; Research (Needs &amp; Challenges)</b>		
11:00	From Maritime Knowledge to Economic Power <i>Cormac Gebruers ( Halpin Centre for Research &amp; Innovation at NMCI and IMERC)</i>	
11:20	Irish-Canadian Case Study - Geo Mara & Highland Geo Solutions (the knowledge gap) <i>Eoghan Kieran ( GeoMara Ltd)</i>	
11:40	Robotics products and services development and commercialisation (business devel. challenges) <i>Dan Toal (UL)</i>	
12:00	See the future with mapping and visualisation technologies <i>Gavin Duffy (RealSim Ltd)</i>	
12:20	The benefits of multi-disciplinary research collaboration from an SME perspective <i>Francis Flannery (SonarSim Ltd)</i>	
12:40	<b>Discussion / Questions</b>	<b>Lunch &amp; Poster Session</b>
<b>Session 3: Mapping Requirements &amp; Mapping Technologies</b>		
14:00	Ireland has vast & valuable seaweed resources – fact or fiction? <i>Dagmar Stengel (NUIG)</i>	
14:20	Satellite bathymetry reports on the coastal mapping challenge <i>Helen Needham (Proteus Europe Ltd)</i>	
14:40	Unmanned Autonomous Vehicles, applications & challenges <i>Tim McCarthy (NUIM)</i>	
15:00	Seabed data interfacing with fisheries navigation technology <i>John O'Mahony (Belco Marine Electronics Ltd)</i>	
	<b>Discussion / Questions</b>	<b>Coffee Break &amp; Poster Session</b>
<b>Session 4: Coastal Operations &amp; Challenges - Case Studies</b>		
16:00	Inshore survey operational challenges <i>Eoin MacCraith (GSI)</i>	
16:20	OSi – Terrestrial LIDAR for coastal intertidal bathymetry <i>Ciaran Bruton (OSi)</i>	
16:40	INFOMAR, Mapping Irelands Southern Priority Area <i>Kevin Sheehan ( MI)</i>	
17:00	2013 Shannon Estuary marine disaster control trials <i>Ger Dooley (UL)</i>	
	<b>Discussion / Questions</b>	<b>Reception sponsored by Atlas Services Group</b>

### Session 5: Mapping Resources, Boundaries, and Change

- 09:00 Irish mapping & EU Projects Emodnet, Geoseas & Mesh Atlantic Update  
*Maria Judge (GSI)*
- 09:20 INTERREG IVA INIS Hydro phase 1 completed  
*Sean Cullen (GSI)*
- 09:40 Moytirra: a new type of hydrothermal vent  
*Andy Wheeler (UCC)*
- 10:00 Mapping and investigating shipwrecks – Updates on current collaboration between UAU & INFOMAR  
*Connie Kelleher (UAU)*
- 10:20 Progress on the Irish Marine Data Atlas  
*Ali Robinson (Compass Informatics Ltd)*
- Discussion / Questions** **Coffee Break & Poster Session**

### Session 6: Research, Outreach and Data Management

- 11:10 INFOMAR – Applied Research Programme - update on collaborations  
*Xavier Monteys (GSI)*
- 11:30 Clare Basin - 3D Modelling of Loop Head  
*Colm Pierce (UCD)*
- 11:50 Late Quaternary glaciation of the continental shelf offshore of west Ireland  
*Jared Peters (UU)*
- 12:10 Marine Data Management - An Esri Perspective  
*Bertrand Baud (Esri)*
- 12:30 Marine science outreach using interactive visualisation technologies: Exhibiting Galway Bay  
*Ronan Hennessy / Sarah Knight (NUIG)*
- 12:50 Diver investigations on INFOMAR mapped shipwrecks, North Coast  
*Barry McGill (UL)*
- Discussion / Questions / Conference Close** **Lunch**

### Technical Demonstrations

- 14:00 – 16:30**
- Unmanned autonomous vehicle deployment (NUIM)
  - Remote ROV control, operations, simulation (UL)
  - LiDAR and Laser scanning demonstration (Murphy Surveys)
  - Hydrographic data processing & management update (CARIS)
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