



INFOMAR

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

*Achievements
Opportunities
Innovation*

Annual Seminar 2013

The Pavilion

University of Limerick

9 -10 October 2013



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



Conference Program

October 09th

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

October 10th

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

Technical Demonstrations

Wed 9th October INFOMAR: Achievements, Opportunities & Innovation

09:00 Welcome & Introduction Dr Mary Shire Vice President Research at UL

09:10 *Mapping the future in a changing landscape*

Session 1: INFOMAR Programme – Achievements & Opportunities

09:25 INFOMAR 2013 Survey Highlights
Archie Donovan (GSI)

09:45 INFOMAR PwC Programme Review, Findings, Opportunities, and Plans
Tommy Furey (MI)

10:05 Developing INFOMAR associated innovation, research, and business opportunities
Mark McCarville (Dublin Business Innovation Centre Ltd)

10:25 **Discussion / Questions**

Coffee Break & Poster Session

Session 2: Bridging the gap between industry & research (needs & challenges)

11:00 From Maritime Knowledge to Economic Power
Cormac Gebruers (Halpin Centre for Research and Innovation at NMCI)

11:20 Irish-Canadian Case Study - Geo Mara & Highland Geo Solutions (the knowledge gap)
Eoghan Kieran (GeoMara Ltd)

11:40 Robotics products and services development and commercialisation (business devel. challenges)
Dan Toal (UL)

12:00 See the future with mapping and visualisation technologies
Gavin Duffy (RealSim Ltd)

12:20 The benefits of multi-disciplinary research collaboration from an SME perspective
Francis Flannery (SonarSim Ltd)

12:40 **Discussion / Questions**

Lunch & Poster Session

Session 3: Mapping Requirements & Mapping Technologies

14:00 Ireland has vast & valuable seaweed resources – fact or fiction?
Dagmar Stengel (NUIG)

14:20 Satellite bathymetry reports on the coastal mapping challenge
Helen Needham (Proteus Europe Ltd)

14:40 Unmanned Autonomous Vehicles, applications & challenges
Tim McCarthy (NUIM)

15:00 Seabed data interfacing with fisheries navigation technology
John O'Mahony (Belco Marine Electronics Ltd)

Discussion / Questions

Coffee Break & Poster Session

Session 4: Coastal Operations & Challenges - Case Studies

16:00 Inshore survey operational challenges
Eoin MacCraith (GSI)

16:20 OSi – Terrestrial LIDAR for coastal intertidal bathymetry
Andy McGill (OSi)

16:40 INFOMAR, Mapping Irelands Southern Priority Area
Kevin Sheehan (MI)

17:00 2013 Shannon Estuary marine disaster control trials
Ger Dooley (UL)

Discussion / Questions

Reception sponsored by Atlas Services Group

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 drilling, research and training initiative.
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
To be confirmed
- 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

- Full details to be confirmed but anticipated to include;
- 14:00 – 16:00**
- Demonstration of Unmanned Autonomous Vehicle
 - Remote operations of tank deployed ROV
 - INFOMAR data web map services and download