

INFOMAR Seminar 2018

Resource, Risk, & Environmental Management

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

*Trident Hotel
Kinsale, 8-9th November 2018*

Seminar Focus: *Demonstrating INFOMAR enabled Blue Growth*

Objective: *Reinforce INFOMAR's role in delivering a foundation for marine resource, risk, and environmental mapping and management*

Sessions

DAY 1

- Session 1: INFOMAR Progress & Planning
- Session 2: Mapping Our Resources
- Session 3: Spatial Data & Marine Resource Management
- Session 4: INFOMAR Data & Support Enabling Blue Growth

DAY 2

- Session 5: Coastal Mapping to Mid Atlantic Research
- Session 6: Accessibility, Innovation & Collaboration

Thursday evening reception kindly
sponsored by the Archaeological
Diving Company (ADCO)



Rialtas na hÉireann
Government of Ireland



**Roinn Cumarsáide, Gníomhaithe
ar son na hAeráide & Comhshaoil**
Department of Communications,
Climate Action & Environment



Thursday 8th November, 2018

INFOMAR Seminar

Session 1: INFOMAR Progress & Planning

09:30 Welcome - Koen Verbruggen (GSI) & Peter Heffernan (MI)

09:50 2018 Survey highlights
Kevin Sheehan (MI) & Ronan O'Toole (GSI)

10:10 INFOMAR Programme update – status & plans towards completion
Tommy Furey (MI) & Sean Cullen (GSI)

10:30 An INFOMAR Legacy - Educating the next generation of seabed mappers
Dave O'Mahony (Scoilnet)

10:45 INFOMAR Products In Three Clicks and Website Updates
Dr. Fabio Sacchetti (MI)

11:00-11:30 **Questions / Coffee Break & Poster Session**

Session 2: Mapping Our Resources

11:30 Geological and geotechnical constraint mapping in the Irish Sea for offshore renewable energy development.
Dr. Mark Coughlan (UCD / iCRAG - GDG)

11:50 Knowing your habitat for inshore fisheries management
Oliver Tully (MI)

12:10 Multibeam data to guide assessment of offshore reef and fisheries interactions
Dr. Yvonne Leahy (NPWS - DCHG)

12:30 SeaRover – Unseen footage from the deep – a new discovery!

12:40 Global Telecommunications made easier by INFOMAR data
Eoghan Kieran (SubCom)

13:00 – 14:00 **Lunch & Poster Session**

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Session 3: Spatial Data & Marine Resource Management

- 14:00 The process of developing Irelands' first Marine Spatial Plan
Niamh Santry (DHPLG)
- 14:20 Enabling data reuse for Marine Management and Research
Eoin O'Grady & Andrew Conway (MI)
- 14:40 Understanding our seabed integrity and managing our ecosystems
Dr. Debbi Pedreschi (MI)
- 15:00 INFOMAR data in Europe's largest marine data initiative – EMODNET
Dr. Janine Guinan (GSI)
- 15:20 – 15:50 Questions / Coffee Break

Session 4: INFOMAR Data & Support Enabling Blue Growth

- 15:50 Rapid, interactive visualisation and analytics on diverse and combined data sets
Andrew MacPherson (CEO 3DEO)
- 16:10 Better maps - better models – better services
Dr. Tomasz Dabrowski (MI)
- 16:30 Aquaculture – planning & management from the seabed up
Joanne Casserly (MI)
- 16:50 Ocean Data Collection using Unmanned Surface Vehicles (USVs)
James Ives (CEO XOCEAN)
- 17:10 Day 1 Closes followed by Vessel Tours

18:30 - Evening reception kindly sponsored by the Archaeological Diving Company (ADCO)



Friday 9th November, 2018

INFOMAR Seminar

Session 5: Coastal Mapping to Mid Atlantic Research

09:30 Intertidal Feature Mapping from Satellite and Drone Data
Dr. Seamus Coveney (TBC)

09:50 Unravelling the controls on nearshore morphological configuration on the NW coast of Ireland
Dr. Carlos Loureiro (UU)

10:10 Irish Sea Mapping Collaboration for fisheries and environmental management
Dr. Annika Clements (AFBI)

10:30 Exploring the Charlie Gibbs Fracture Zone in the Mid Atlantic Ridge (TOSCA)
Dr. Aggie Georgiopoulou (UCD)

11:00-
11:30 *Coffee Break*

Session 6: Accessibility, Innovation & Collaboration

11:30 "CHERISH"ing our marine heritage
Dr. Kieran Craven (GSI)

11:50 *Recent development in Autonomous Drones; Sensor Technologies, Operations & Applications*
Tim McCarthy, Aidan Magee & Daire Walsh (NUIM)

12:10 Multibeam guided wreck diving investigations for Dublin Port Company's Alexandra Basin Redevelopment project
Niall Brady (The Archaeologist Diving Company Ltd.)

12:30 Bathymetric data, a naval perspective
TBC

13:00 –
14:00 **Conference close & lunch**