

# INFOMAR Seminar 2018

# Resource, Risk, & Environmental Management

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

*Trident Hotel  
Kinsale, 8-9<sup>th</sup> November 2018*

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**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*

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### 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

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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 8<sup>th</sup> 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**

Thursday 8<sup>th</sup> November, 2018

## INFOMAR Seminar

### Session 3: Spatial Data & Marine Resource Management

- 14:00 The process of developing Ireland's 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 9<sup>th</sup> 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 Developing fibre optic communications between Ireland and mainland Europe  
*Erland Christiansen (Celtic Interconnector Project)*

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