



36th IRSO Meeting Agenda – September 22-26, 2025

Hosted by the Institute of Marine Research (IMR), Bergen, Norway

Meeting venue: Scandic Bergen City Hotel

Workshop - Monday 22nd September 2025

Time	Event	Comments
12:00 – 13:00	Lunch – pre-registration	Scandic Bergen City Hotel
13:00 - 17:00	Workshop (afternoon tea break included)	Topic “ Looking into the crystal ball: the role of the Research Vessel in the coming years ” Facilitators – Leigh Storey, Eric King & Einar Vegsund Venue: Scandic Bergen City Hotel
19:00 - 22.00	Icebreaker	A chance to meet and greet Venue: Nøsteboden (Dress code: Smart casual)

Version 3

Day 1 IRSO Meeting –Tuesday 23rd September 2025

Time	Duration (Mins)	Theme	Topic	Owner
08:00	60	<i>Registration – Scandic Bergen City Hotel</i>		
09:00	15	<i>Opening of 36th IRSO</i>	IRSO Day 1 - Welcome	Giuseppe Magnifico & Jennifer Vollrath
	20		Host Introduction and housekeeping	Nils Gunnar Kvamstø – IMR DG Inge André Utaaker – IMR
	15		Round table introduction of participants	All attendees
	5		Accept minutes of 35 th IRSO, Vancouver	Giuseppe Magnifico
	5		Accept agenda of 36 th IRSO	Giuseppe Magnifico
1	30		No man is an island (John Donne, 1624)	Per W. Nieuwejaar – Invited Speaker
10:30	30	Morning Break and Poster Session		
2	30	<i>Delegate report</i>	Kaharoa II - First year of operation	Greg Foothead & Sol Fergus - New Zealand Research Vessels Ltd
3	20	<i>New Builds</i>	A new research vessel for the Pacific	Robert Christie - Pacific Community
4	20	<i>Scientific Technology</i>	I-MASTER project: the Italian MASS Test Area at the Lake of Nemi	Salvatore Mauro & Massimo De Lauro - CNR
5	20	<i>New Builds</i>	JAMSTEC's New Research Vessel	Ken Yatsu - JAMSTEC
12:30	60	Lunch and Poster Session		
6	20	<i>Cooperation and Outreach</i>	Enhanced Ocean Observations of Ocean Carbon uptake from Research Vessels - can you help	Richard Sanders - ICOS Ocean Thematic Centre
7	20	<i>Delegate report</i>	RV Investigator Mid-Life Refit: Lessons Learned from a Major Modernisation	Toni Moate - CSIRO
8	20	<i>Delegate report</i>	Updates from NOC: vessels, schedules, and autonomy	Eleanor Darlington - NOC
9	20	<i>Industry presentation</i>	Remote & Autonomous Research & Survey vessel(s)	Erik Leenders - Kongsberg Maritime AS
10	10	<i>Cooperation and Outreach</i>	Aquarius and Polarix projects updates	Aodhan Fitzgerald – Marine Institute
15:00	30	Afternoon Break and Poster Session		
11	20	<i>Cooperation and Outreach</i>	Sailing Beyond Borders: EurOcean RID's Global Reach	Sandra Sá - EurOcean
12	20	<i>Industry presentation</i>	Transforming Research Ship into a Smart Ship: How Seadronix's AI Navigation Assistant Enhances Exploration	Kyongsoo Noh - Seadronix
13	30	<i>Scientific Technology</i>	Deep-sea SMART cables: an innovative approach to Global Ocean monitoring	Juan Jose Dañobeitia - CSIC-UTM
14	20	<i>Industry presentation</i>	Natural Refrigerants – Back to the Future	Jan Nordvik & Björn M. Holo - Teknotherm Marine
17:00	<i>Family picture and closing of Day 1</i>			Giuseppe Magnifico & Jennifer Vollrath

Day 2 – Wednesday 24th September 2025

Time	Duration (Mins)	Theme	Topic	Owner
08:30	5	<i>IRSO Meeting Day 2</i>	Administrative matters/logistics	Giuseppe Magnifico & Jennifer Vollrath
1	15	<i>Delegate report</i>	Icebreaker Laura Bassi - status of the art after six years of operations	Franco Coren - OGS
2	40	<i>IT, Communications and Cybersecurity</i>	Maritime Comms and Cyber Security: Key updates for operational readiness	Marwan Chartouny - OmniAccess
3	30	<i>Industry presentation</i>	Learning Partner & New Fuel Advisor	Mustafa El Zein - Glander International Bunkering
10:00	30	Morning Break and Poster Session		
4	30	<i>IT Systems</i>	MFP - from Application to Post-Cruise: Managing Data Flows and Science Opportunities	Beiko Maas - MFP
5	30	<i>IT Systems</i>	From cruise planning to database. Example from NIOZ operations	Zeynep Erdem - NIOZ
6	30	<i>Delegate report</i>	CNR RV Gaia Blu update	Lorenza Evangelista – CNR, Pietro Rosiello & Giovanni De Vita- Argo
12:00	60	Lunch and Poster Session		
7	20	<i>Vessel Operations, moving towards the 21st century</i>	What Will the French Oceanographic Fleet Look Like in the Future?	Maximilien Simon - IFREMER
8	20	<i>Industry presentation</i>	ABB Dynafin Model Test Results	Sampo Viheriälähtö & Mikael Lindfors - ABB
9	20	<i>IT Systems</i>	Development and Application of an Integrated Planned Maintenance System (iPMS) for Research Vessel Operations	Haili Wang - Xiamen University
10	20	<i>Cooperation and Outreach</i>	Canada's new Major Research Facilities Framework – Implications for Ocean Sciences and Ship-Time	Alexandre Forest - Amundsen Science
11	20	<i>Delegate report</i>	JAMSTEC's Latest and Upcoming Operational Activities	Gupta Lallan Prasad - JAMSTEC
12	20	<i>Delegate report</i>	Progress report on the construction of a zero-emission hydrogen hybrid research vessel at Scripps Oceanography	Bruce Appelgate - SCRIPPS
15:00	30	Afternoon Break and Poster Session		
13	20	<i>Delegate report</i>	Planning for the refit of the RV Simon Stevin	André Cattrijsse - VLIZ
14	30	<i>Industry presentation</i>	USBL optimisation	Duncan Rigg- Sonardyne
15	30	<i>Industry presentation</i>	Trends in vessel technology - Are we building for the future?	Santiago Sío Dopeso - DNV
16	10	<i>Vessel Operations, moving towards the 21st century</i>	The carbon footprint of oceanographic fleets	Aodhan Fitzgerald – Marine Institute Maximilien Simon - IFREMER
17:00	<i>Closing of Day 2</i>			Giuseppe Magnifico & Jennifer Vollrath
19:00 – 22:00 Conference Dinner - Scandic Bergen City Hotel (Dress code: Business Casual)				

Day 3 – Thursday 25th September 2025

Time	Duration (Mins)	Theme	Topic	Owner
08:30	10	<i>IRSO Meeting Day 3</i>	Administrative matters/logistics	Giuseppe Magnifico & Jennifer Vollrath
1	20	<i>Delegate report</i>	Swedish Research Vessel Infrastructure for Marine Research	Louise Newman - University of Gothenburg
2	20	<i>Industry presentation</i>	Evolution of Power systems - Norwegian Coastal Administration	Gaute Augestad - Kongsberg Maritime AS
3	20	<i>Scientific Technology</i>	Research and Practice on Autonomous Navigation for RV Zhuhaiyun	Yongling Zhu - Second Institute of Oceanography, MNR
4	20	<i>Scientific Technology</i>	Charting the Course: A Strategic Framework for Science Systems Uplift on RV Investigator	Andrew Martini - CSIRO
10:00	30	Morning Break and Poster Session		
5	20	<i>Industry presentation</i>	MOL's Initiatives for Japan's Arctic Research Vessel MIRAI II	Emi Watanabe & Haruki Anzai - Mitsui O.S.K. Lines, Ltd.
6	20	<i>Cooperation and Outreach</i>	OceanOPS Ship Coordination Update	Martin Kramp - World Meteorological Organization /OceanOPS
7	20	<i>Delegate report</i>	The Challenges in Operation and Management of the R/V Legend: A Case Study on Propeller Repair	Shu-Heng Wu - Taiwan Ocean Research Institute
8	20	<i>Industry presentation</i>	Forward look sonars for safe navigation and obstacle avoidance	Nick Swift - Wavefront Systems Ltd
9	10	<i>Cooperation and Outreach</i>	EUROFLEETS AISBL	Olivier Lefort - IFREMER Giuseppe Magnifico - CNR
12:00	60	Lunch and Poster Session		
10	20	<i>Delegate report</i>	French new projects update	Olivier Lefort - IFREMER
11	20	<i>New Builds</i>	New Research vessel "Dohrn"	Simonepietro Canese - SZN
12	20	<i>Delegate report</i>	Update from Canada on Offshore Oceanographic Science Vessel	Anthony Redican - Fisheries and Oceans Canada
13	20	<i>Delegate report</i>	R/V FALKOR (too) - a new Science Bow and 6000m AUV	Eric King – Schmidt Ocean Institute
14	20	<i>Delegate report</i>	Experiences and lessons learned after the first year of operation of the Odón de Buen, and prospects for new vessels in Spain	Jordi Sorribas Cervantes - CSIC
15	20	<i>Industry presentation</i>	The Role of the Technical Advisor in the Research Vessel New Build Process	Paul Read - Gelen Marine
15:00	30	Afternoon break and Poster Session		
16	10	<i>Scientific Technology</i>	INMARTECH 2025	Eleanor Darlington - NOC
17	20	<i>Scientific Technology</i>	Experiences and ideas for data sampling with unmanned surface vehicles	Inge André Utaaker – IMR
18	60	<i>IRSO Business</i>	CLOSED SESSION FOR RV OPERATORS ONLY <ul style="list-style-type: none"> • Presentation: IRSO 2.0 - Advancing IRSO's Future • Review of action items, Review of IRSO Terms of Reference, Review of IRSO website, IRSO 2026 	
17:00	End of IRSO Meeting			

Friday 26th September 2025 – Optional Team building day

Guided walking tour on Bryggen – 2 hours

Bryggen is one of Bergen's most iconic landmarks, located along the old wharf of the city. With its colourful wooden buildings and narrow alleyways, Bryggen reflects the city's rich history as a key trading post in the Hanseatic League. Originally built in the 14th century the historical wharf of Bergen is on the UNESCO list of world heritage. Walking through Bryggen is like stepping back in time. The tour will be guided in English.

To the top of Fløyen

Mount Fløyen is one of the most popular viewpoints in Bergen. You can take the Fløibanen funicular up the mountain or hike the scenic trail to the top. Once there, you'll enjoy breathtaking views over the city and fjord. There are also several walking trails, and a café.

Presentations of operations with USV

The IMR / Vessel Department will set up and man an operations centre to present the operations, sensor output and communication channels with an unmanned surface vehicle. For the occasion the centre will be established in a workshop area, displaying an autonomous underwater vehicle (AUV) as well as a ROV.