



2023 IRSO 34th Meeting Agenda - October 16-20, 2023

Hosts- Flanders Marine Institute (VLIZ) and the Royal Belgian Institute of Natural Sciences (RBINS)

Meeting venue: Grand Hotel Casselbergh, Bruges, Belgium

Version 8

Monday 16th October

Time	Event	Comments
13:45- 17:00	Workshop Meet at 13:45 for a 14:00 meeting start. Coffee and snack served mid afternoon.	Topic - “ICES working group on Greening the RV fleet...a workshop for vessel operators” Hosted by Aodhan Fitzgerald
17:30-19:00	Icebreaker	A chance to meet and greet the participants. To be held in the bar at Grand Hotel Casselbergh.
19:00	Free evening	Enjoy the restaurants and bars in Bruges

Day 1 IRSO Meeting –Tuesday 17th October-2023

Time	(Mins)	Theme	Topic	Owner
08:30	40	Registration	Registration – Grand Hotel Casselbergh	VLIZ
09:10	5	Opening of 34th IRSO	IRSO Day 1 - Welcome and admin matters	Greg Foothead/ Giuseppe Magnifico
			Welcome - Introduction to Belgium	VLIZ/RBINS
	Round table introduction of participants			
	20		Adopt of agenda of 34th IRSO	Greg Foothead
			Accept minutes of 33rd IRSO, Hawai’i	Greg Foothead
	30	<i>Vessel operation and future technologies</i>	Green fuel plans - First year of operation of Tom Crean + ERVO and Eurofleets update	Aodhan Fitzgerald - Marine Institute, Ireland
	25	<i>New Build and delegate report</i>	Kaharoa replacement + RVONZA update	Rob Christie - NIWA
10:30-11:00	30	Morning Break Poster Session		
	20	<i>New Build and delegate report</i>	Ifremer regional research vessel (NSH)	Sarah Duduyer - Ifremer
	20	<i>Delegate report</i>	Ifremer fleet update and USV’s	Olivier Lefort - Ifremer
	20	<i>Vessel operation and future technologies</i>	Hydrogen Hybrid Zero-Emission Coastal Class RV: Project Update	Bruce Appelgate - Scripps
	20	<i>New Build report</i>	The first state of the art research vessel in the UAE "JAYWUN"	Sara Almehairbi - Environment Agency Abu Dhabi
	10	<i>Discussion</i>		
12:30-13:30	60	Lunch and Poster Session		
	20	<i>New Build and delegate report</i>	RV Odón de Buen - Building progress and future plans	Jordi Sorribas - UTM-CSIC
	20	<i>New Build and delegate report</i>	Introduction of Japan's Arctic research icebreaker	Kana Goto - Mitsui O.S.K. Lines, Ltd
	20	<i>Vessel operation and future technologies</i>	Coordinating a changing fleet	Ella Darlington - NOC
	20	<i>Delegate report</i>	Marine Autonomous Systems as force multiplier for the Belgian Research Fleet.	Wieter Boone - VLIZ
	30	<i>Industry technology update</i>	Marine Facilities Planning – Update	Beiko Maas - Maas Software Engineering
	10	<i>Discussion</i>		
15:30-16:00	30	Afternoon Break Poster Session		
	20	<i>Industry technology update</i>	Unique features of Voith-Schneider-Propellers for research vessels	Dr, Dirk Jürgens & Michael Palm - Voith
	20	<i>Cooperation and Outreach</i>	Ocean Census - Working with Research Vessels Globally to Accelerate Discovery of Marine Life in The Deep Ocean	Sarah-Jane Walsh - Ocean Census
	20	<i>Delegate report</i>	UNOLS - addressing the Crewing Challenge	Doug Russell - UNOLS
17:10	10	<i>Wrap Up Discussion for Day 1</i>		

Day 2 – Wednesday 18th October

Time	Duration (Mins)	Theme	Topic	Owner
08:30		IRSO Meeting Day 2	Administrative matters/logistics	Greg Foothead/Giuseppe Magnifico
	20	<i>Delegate report</i>	Update on the new Dutch Research Fleet	Zeynep Erdem - NIOZ, MNF
	20	<i>Delegate report</i>	Post 2024 New Scientific Ocean Drilling, IODP-cubed	Nobu Eguchi - MarE3/JAMSTEC
	20	<i>Cooperation and Outreach</i>	The operation of RV Tan Kah Kee in support of training/education programs	Haili Wang - Marine Operations, Xiamen University
	20	<i>Delegate report</i>	The renovation of R/V Xiangyanghong 10 in 2023	Yongling Zhu - Second Institute of Oceanography, MNR
	10	<i>Discussion</i>		
10:00-10:30	30	Morning Break and Poster Session		
	30	Vessel future technologies	KONGSBERG SHIP DESIGN – Protecting people and planet	Einar Vegsund – Kongsberg Maritime AS
	20	<i>Delegate report</i>	AIMS Research, RV Fleet and the Need to update and Refresh	Richard Brinkman - AIMS
	20	<i>New Build report</i>	Designing the next generation of Regional/Coastal class Research Vessel for Northern Australia	Patrick Bunday - AIMS
	40	<i>Industry technology update</i>	The advantages of secured multi-WAN maritime connectivity	Marwan Chartouny - OmniAccess
	10	<i>Discussion</i>		
12:30-13:30	60	Lunch and Poster Session		
	20	<i>Cooperation and Outreach</i>	OceanOps update and collaboration with RV operators	Martin Kramp - OceanOps
	20	<i>Industry technology update</i>	Green equipment for RV's	Lars Jørgensen – MacArtney A/S
	20	<i>Delegate report</i>	Progress of R/V Laura Bassi refit	Franco Coran - OGS
	20	<i>Delegate Report</i>	R/V KEXUE - Cruises and typical operation cases in recent years	Qiao Xin and Yin Hong - Institute of Oceanology, Chinese Academy of Sciences
	30	<i>Health & Wellbeing</i>	Looking after our people	Toni Moate – CSIRO & Rose Dufour – NSF
	10	<i>Discussion</i>		
15:30-16:00	30	Afternoon Break		
	20	<i>Cooperation and Outreach?</i>	“R/V FALKOR (too) - A platform to engage global science, art, fashion and community.”	Eric King - Schmidt Ocean Institute
	20	<i>New Build Report</i>	RV Prinsesse Ingrid Alexandra	Inge André Utaaker - IMR
	20	<i>Industry technology update</i>	AML Oceanographic - what can they offer to Science?	David Wilson – AML Oceanographic
17:00		Wrap Up Discussion for Day 2		

Day 3 – Thursday 19th October

Time	Duration (Mins)	Theme	Topic	Owner
08:30		IRSO Meeting Day 3	Administrative matters/logistics	Greg/Giuseppe
	20	<i>Delegate report</i>	NIWA operations update	Sol Fergus - NIWA
	20	<i>Delegate report</i>	UK's Future Marine Research Infrastructure programme	Leigh Storey - NERC
	30	<i>Compliance/ Legal/Insurance</i>	Risk Management, Insurance, and Admiralty Law	Jonathan Gutoff – UNOLS/Roger Williams University of Law
	20	<i>Delegate report</i>	Gaia Blu, the new multipurpose ocean research vessel of CNR	Frederica Foglini - CNR
10:00-10:30	30		Morning Break and Poster Session	
	30	<i>Compliance and Legal</i>	Marine Scientific Research Diplomatic Consent Process	Amanda Williams & Gabriella David - U.S. Department of State
	20	<i>Delegate report</i>	The new Skagerak Facility at the University of Gothenburg	Louise Newman – University of Gothenburg
	20	<i>Industry technology update</i>	Underwater Radiated Noise (URN) and Quiet Vessel Initiative with Case Studies	Jackie Guo – Ocean Sonics Ltd
	20	<i>Cooperation and Outreach</i>	Seabed 2030 update	Jamie McMichael-Phillips - Seabed 2030
12:00-13:00	60		Lunch and Poster Session	
	20	<i>Delegate report</i>	Silent marine research with Azipod propulsion	Janne Roivainen – ABB OY Marine & Ports
	20	<i>Delegate report</i>	Ifremer – update on underwater systems.	Olivier Lefort - Ifremer
	10		Announcement of IRSO 2024	
13:50-14:30	40	<i>IRSO Business</i>	CLOSED SESSION FOR RV OPERATORS ONLY Review of action items, INMARTECH	
14:30			End of IRSO Meeting	Organised in groups of 12 people
15:30			Guided city tour and canal boat trip (approximately 2,5 hours)	
19:00			Conference dinner @ Brewery Halve Maan	

Friday 20th October – Optional Excursion

09:00 – 13:00 – Depart Hotel Grand Casselbergh at 0900 sharp to visit RV Simon Steven and RV Belgica, lunch is provided onboard. **13:00** - Buses depart wharf and arrive back at Hotel Casselbergh at approximately **13:45**

14:00 – 17:00 – Social event, Boltra (Flat bowls alley) & Rodenbach Beer