



2019 IRSO 32nd Meeting Agenda - October 7-11, 2019

Host- Commonwealth Scientific and Industrial Research Organisation (CSIRO), Hobart, Tasmania

Meeting venue: Hotel Grand Chancellor, 1 Davey Street, Hobart

Thursday 3rd October-2019 – Brisbane, Queensland, Optional Tour of RV *Investigator* – *Ben Arthur (CSIRO) has emailed details to those of you who have indicated you will attend.*

Monday 7th October – Hobart

Time	Event	Comments
13:00 - 15:30	Workshop - Optional	Topic - <i>“From Paper to Platform”</i> An overview of MFP Software Workshop located at CSIRO, 3-4 Castray Esplanade Hobart
16:00 - 17:30	Pre-Registration & afternoon tea icebreaker	A chance to catch up with other members Harbour View Mezzanine Level - Hotel Grand Chancellor
17:45 - 18:00	Bus departs Hotel Grand Chancellor	Please be prompt Harbour View Mezzanine Level - Hotel Grand Chancellor
18:00 - 19:00	Welcome Reception – Government House	Drinks and canapes provided Dress code - Suit or jacket and tie for men and smart dress/suit for women.
19:00 - 19:15	Bus returns to Hotel Grand Chancellor	
	Free evening	

Day1 IRSO Meeting –Tuesday 8th October-2019

Time	Duration (Mins)	Theme	Topic	Owner	Comments
08:00	30	<i>Registration</i>	Registration - Mezzanine Level – Grand Chancellor	CSIRO	
08:30	5	<i>Opening of 32nd IRSO and Business</i>	IRSO Day 1 - Welcome and admin matters	Erica Koning/Greg Foothead	
08:35	5		Welcome to Hobart - Introduction to hosts	CSIRO - Toni Moate	
08:40	15		Tasmanian Aboriginal Council Welcome to participants	Toni Moate	
08:55	15		Round table introduction of participants	All	
09:10	5		Adoption of agenda of 32 nd IRSO	Erica Koning	Standing item
09:15	5		Review of minutes of 31 st IRSO	Erica Koning	Standing item
09:20	10		Review of IRSO's Terms of Reference (ToR)	Erica Koning	Standing item
09:30	5		Review of IRSO website	Doug Russell	Standing item
09:35	15		<i>Theme 1: Delegates Reports</i>	Australian Institute of Marine Science (AIMS) – introduction	Patrick Bunday -Australian Institute of Marine Science
09:50	15		University of Hawaii - Introduction	Anita Lopez - University of Hawaii	
10:05	15		Woods Hole Oceanographic Institute (WHOI) - Introduction	Rob Munier - Woods Hole Oceanographic Institute	
10:20	30	Morning Break and Poster Session			
10:50	15	<i>Delegates reports continue</i>	RV <i>Aranda</i> , life after refit	Juha Flinkman - Finnish Environment Institute SYKE	
11:05	15	"	US Navy Research Facilities - Renewal	Mike Prince - MLML US Navy Office of Naval Research	
11:25	15	"	RV <i>Roger Revelle</i> midlife refit	Bruce Appelgate - Scripps Institution of Oceanography	
11:50	30	"	RV <i>Thuwal</i> - Selecting a shipyard & refit	Mick Uberti - Maritime Survey Australia	
12:20	20	"	RV <i>Belgica</i> - New RV for Belgium	Lieven Naudts - Royal Belgian Inst. of Natural Sciences	
12:40	60	Lunch and Poster Session			
13:40	15	<i>Delegates reports continue</i>	Report on the new Dutch research fleet	Erica Koning - Royal Netherlands Inst for Sea Research	
13:55	20	"	NOAA Fleet Maintenance Program	Nancy Hann - NOAA OMAO	
14:15	30	"	RSV <i>Nuyina</i> - Build Update	Jono Reeve - Australian Antarctic Division	
14:45	20	"	Report on 3 new Offshore Fisheries Science Vessels - Canada	Jennifer Vollrath - Fisheries and Oceans Canada	
15:05	25	Afternoon Break and Poster Session			
15:30	20	<i>Delegates reports continue</i>	Recent New Builds in China & the Operation of RV Tan Kah Kee	Haili Wang - Xiamen University	
15:50	15	"	MarE3-New institution for JAMSTEC fleet operation	Nobu Eguchi - MarE3/JAMSTEC	
16:05	15	<i>Vessel Operations - moving towards the 21st century</i>	Teams: integration of marine autonomy into traditional forms of oceanographic research	Leigh Storey - National Oceanography Centre, Southampton	
16:20	20	"	Introducing the new MacArtney eLARS A-Frame	Lars Jørgensen - MacArtney A/S	
16:40	20	"	The challenge of making a Navy vessel into an RV	Salomé Bousquet - PIRIOU Naval Architects	
17:00	15	<i>IRSO 2020 presentation</i>	Via Webex from Bergen, Norway	Per Nieuwejaar - Institute of Marine Research	
17:15	5	<i>Wrap Up Discussion for Day 2</i>			
17:40 – Meet in foyer of Hotel Grand Chancellor for Barefoot Bowls (Indoors) and BBQ – Bus departs at 17:45					
21:30 - Bus departs back to Hotel Grand Chancellor, arrives at hotel 22:00					

Day 2 – Wednesday 9th October

Time	Duration (Mins)	Theme	Topic	Owner
08:30	5	<i>Formal IRSO Meeting Day 2</i>	Administrative matters/logistics	Erica Koning/Greg Foothead
08:35	10	<i>Delegates Report</i>	Update on NSF Facilities Programs	Bob Houtman - US National Science Foundation
08:45	10	“	NSF White Paper on Logistics for Ocean Operations	Rose Dufour - US National Science Foundation
08:55	20	<i>Compliance/ Legal/Insurance</i>	Update on Marine Scientific Research (MSR) Diplomatic Consent	Gabriella David - US Department of State
09:15	80	<i>Compliance/ Legal/Insurance</i>	Risk Management, Insurance, and Admiralty Law	Dennis Nixon - UNOLS
10.35	20	Morning Break and Poster Session		
10:55	20	<i>Vessel Operations - moving towards the 21st century</i>	Bubble sweep down	Ken FitzGerald/Tim Leach - Glosten
11:15	15	<i>Cooperation and Outreach</i>	ERVO Update	Lieven Naudts - Royal Belgian Inst. of Natural Sciences
11:30	10	“	Latest ship coordination developments under GOOS/IOC/WMO	Martin Kramp - JCOMMOPS (WMO/IOC-UNESCO)
11:40	15	“	300 days around Australia - supporting Australian researchers and technologists	Eric King - Schmidt Ocean Institute
11:55	10	“	EuroFleets+ Update	Aodhán FitzGerald - Marine Institute Ireland
12:05	20	<i>Vessel Operations - moving towards the 21st century</i>	New Vessel design - Marine Institute Ireland	Aodhán FitzGerald - Marine Institute Ireland
12:25	10	<i>Cooperation and Outreach</i>	IFREMER campaigns in Pacific Ocean	Goulwen Peltier - IFREMER
12:35	30	Lunch and Poster Session		
13:05	60	<i>Cooperation and Outreach</i>	Seabed 2030 Project - How can RV operators contribute	Geoffroy Lamarche - NIWA / Seabed 2030
14:15	15	<i>Delegates Report</i>	Progress of the CAS fleet	Xinyuan Diao - Institute of Oceanology, Chinese Academy of Sciences
14:30	Wrap Up Discussion for Day 2			
14:30 - 17:30 - CSIRO Facilities Tour and Visit to Research Vessel <i>Aurora Australis</i> – depart from Hotel Grand Chancellor foyer				
18:00 - 19:30 - Tasmanian Polar Network cocktail reception – CSIRO, 2-4 Castray Esplanade Hobart				
Make your own dinner arrangements after Tasmanian Polar Network reception				

Day 3 – Thursday 10th October

Time	Duration (Mins)	Theme	Topic	Owner
08:30	5	<i>Formal IRSO Meeting Day 3</i>	Administrative matters/logistics	Erica Koning/Greg Foothead
08:30	10	“	Philanthropic Ocean Research Vessel Operators Working Group Meeting	Eric King - Schmidt Ocean Institute
08:40	15	<i>Cooperation and Outreach</i>	EMSO ERIC - European large-scale Research Infrastructure delivering key harmonized environmental marine data (EOVS)	Giuseppe Magnifico - EMSO ERIC
08:55	15	<i>Delegate Report</i>	SAMSA Update	Ian Calvert - SAMSA
09:10	15	“	Communications and Cybersecurity	Jorge Calvin - OmniAccess
09:25	30	”	Staying in the Loop: On-board Data Collection and Decision Support Tools for the Australian Antarctic Program	Lloyd Symons - Australian Antarctic Division
09:55	20		Morning Break and Poster Session	
10:15	60	<i>Vessel Operations - moving towards the 21st century</i>	Greening Vessels	Jonathan Abrahams - DNVGL Head of Maritime Advisory - AU/NZ
11:45	45		Lunch and Poster Session	
12:30	40	“	Novel Platforms and High Efficiency Operations for RV's	Ken Goh - Knud E. Hansen Naval Architects
13:10	20	<i>Health and Wellbeing</i>	Total worker health	Nancy Hann - NOAA OMAO
13:30	20	<i>Cooperation and Outreach</i>	Educator on Board and Indigenous Time at Sea Scholarship	Ben Rae, Ben Arthur - CSIRO
13:50	20	<i>Vessel Operations - moving towards the 21st century</i>	Kongsberg Maritime - Technology for Research Vessels	Martin Gutowski - Kongsberg Maritime
14:10	25	<i>Vessel Operations - moving towards the 21st century</i>	Developments in Oceanographic Operations with USV	Geraint West - Sonardyne International
14:35	15	<i>Delegate Report</i>	Modernization of RV THALASSA and L'ATALANTE, project of deep water AUV CORAL, ROV+	Goulwen Peltier - IFREMER
14:50	20	<i>IRSO Business</i>	CLOSED SESSION FOR MEMBERS ONLY Review of action items. IRSO 2020. Introduction to INMARTECH 2020	
15:10	End of IRSO 2019			
16:10 - 22:30 - NOTE 4.10pm SHARP departure from foyer of Hotel Grand Chancellor for river cruise to Peppermint Bay and IRSO Conference Dinner				

Friday 11th October – Optional Excursion

09:00 - 17:00 - Tour to kunanyi/Mt Wellington, Coal River Valley (including wine, chocolate and cheese tasting), lunch and a visit to Bonorong Wildlife Sanctuary