

INDIAN OCEAN RIM ASSOCIATION

Indian Ocean Region Workshop on “Exploration and Development of Seabed Minerals and Hydrocarbons: Current Capability and Emerging Science Needs”

Host: Australian Institute of Marine Science

Location: Ayodya Resort, Bali, Indonesia

Outline of Agenda

Sunday, 26th July

Title	Presenter/s
Official Opening	Minister/IORA Secretariat
Introduction to the Workshop	<i>John Gunn Chief Executive Officer, Australian Institute of Marine Science</i>
IORA welcome	Mr Firdaus Dahlan <i>Director, IORA</i>
Outline of arrangement	Mr Chris Gray <i>Facilitator</i>
Official Photos	<i>All delegates to participate in photo shoot in foyer Dress code: Business attire (can change to business casual after photos</i>
Member State Introductions	All participants Member State nominees and experts to introduce themselves, their expertise and their countries interest in seabed resource development
MORNING TEA	
Plenary Session	
Seabed mineral resources in the Indian Ocean – what do we know: types and distribution of seabed mineral resources, resource potential, status of areas claimed by different ‘contractors’, and the economics of DSM	Rahul Sharma <i>National Institute of Oceanography, India</i>
Seabed Mining within Exclusive Economic Zones: Emerging lessons from Namibia and South Africa	Alex Benkenstein <i>South African Institute of International Affairs</i>
The South Pacific Experience – from identification to capacity building to industry A description of the approach taken in the Secretariat of the Pacific Community, and the lessons learned	Alison Swaddling <i>Secretariat of the Pacific Community</i>

Title	Presenter/s
LUNCH	
Session 1: Policy and governance fundamentals for seabed exploration and resource development	
Rights and responsibilities of Member States within and beyond areas of national jurisdiction	Justin Whyatt <i>Australian Department of Foreign Affairs and Trade</i>
Resource development policy – the Australian experience	Paul Kay <i>Geoscience Australia</i>
Facilitated Group Discussion (Workshop facilitator plus Member State rapporteur)	
AFTERNOON TEA	
Session 2: Managing sustainability - environmental and social considerations	
The importance of environmental baselines and monitoring Lessons from the offshore oil and gas industry in Australia and the contribution by public-private partnerships	Andrew Heyward Australian Institute of Marine Science
Social perspectives on deep sea mining Looking at the community perception of risk and community expectations; and developing a social licence to operate	Elaine Baker <i>Sydney University</i>
Facilitated Group Discussion (Workshop facilitator plus Member State rapporteur)	
CLOSE OF DAY 1	
Workshop dinner	

Monday, 27th July

Title	Presenter/s
Review of Sunday 26 th July	Mr Chris Gray <i>Facilitator</i>
Session 3: Technologies and skills for exploration and management of Indian Ocean seabed resources	
Identifying what is where – survey and analytical tools Technologies used for multi-disciplinary data collection for resource estimation, plus design and operation of mining systems	Rahul Sharma <i>National Institute of Oceanography, India</i>
Data management and the importance of standards in building regional information Collaboration and cooperation is underpinned by sharing of data in an accessible format. Here we will discuss how this can be done and the value this will generate	Lyndon Llewellyn <i>Australian Institute of Marine Science</i>
Facilitated Group Discussion (Workshop facilitator plus Member State rapporteur)	
MORNING TEA	
Session 4: Partnering in sustainable development	
Obtaining desirable outcomes in the Deep Sea Mining Sector A regional approach to building capacity to engage with industry and how to include economic and social environmental considerations in negotiations	Alison Swaddling <i>Secretariat of the Pacific Community</i>
Sustainability: how it relates to Deep Sea Mining How the Post-2015 Sustainable Development Goals relate to development of seabed minerals	Rak Kim <i>Griffith University</i>
Facilitated Group Discussion (Workshop facilitator plus Member State rapporteur)	
LUNCH	
Session 5: Workshop synthesis (Afternoon Tea to be taken at a convenient time)	
Synthesis and Final Recommendations Working session to develop agreed recommendations and approval of the Communique from participating Member States. Recommendations to consider researcher exchanges, capacity building, technology transfer and an IORA Core Group	John Gunn and Firdaus Dahlan <i>Co-Chairs</i>
CLOSING REMARKS	John Gunn and Firdaus Dahlan
WORKSHOP CLOSE	
Farewell Dinner	