

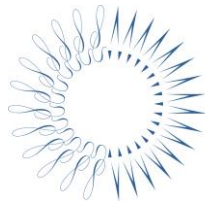
WORKSHOP ON THE DESIGN OF “IMPACT REFERENCE ZONES” AND “PRESERVATION REFERENCE ZONES” IN DEEP-SEA MINING CONTRACT AREAS

Organized by the International Seabed Authority;
supported by the Pew Charitable Trusts and the International Marine Minerals Society

Agenda

Venue: The Hilton Berlin
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27 to 29 September 2017



THE
PEW
CHARITABLE TRUSTS



DAY 1 – WEDNESDAY, 27 SEPTEMBER 2017

- 09.00 – 09.20 Welcome to participants and layout of the workshop
[Stefan Bräger](#)
- 09.20 – 09.40 ISA regimes for deep-sea mining
[Sandor Mulsow](#)
- 09.40 – 10.00 Historical and legal background of IRZ and PRZ
[Laleta Davis Mattis](#)
- 10.00 – 10.20 Species composition and taxonomy: Critical knowledge in considerations of IRZs and PRZs
[Judith Gobin](#)
- 10.20 – 11.00 COFFEE BREAK
- 11.00 – 11.20 Welcome of the Secretary-General of ISA
[Michael Lodge](#)
- 11.20 – 11.40 Ecosystem characteristics of abyssal nodule areas, especially in the CCZ
[Craig Smith](#)
- 11.40 – 12.00 Characteristics of vent ecosystems relevant to reference zone design
[Anna Metaxas](#)
- 12.00 – 12.20 Cobalt-rich crusts: ecosystem characteristics of seamounts relevant to zone design
[Malcolm Clark](#)
- 12.20 – 12.40 Potential impacts of mining on deep-sea benthic habitats with a special focus on abyssal nodule habitats
[Andrew Sweetman](#)
- 12.40 – 13.00 Biogeographic remarks and spatial scales
[Andrey Gebruk](#)

13.00 – 14.00	LUNCH
14.00 – 14.20	Connectivity using DNA – the basics Greg Rouse
14.20 – 14.40	A systematic and adaptable design for conservation of mid-ocean ridges in the context of deep-sea mining Daniel Dunn
14.40 – 15.00	Zoning experiences from Solwara-1 Samantha Smith
15.00 – 15.20	Zoning experiences from New Zealand: some selected aspects of design and monitoring of deep-sea sites Malcolm Clark
15.20 – 16.00	COFFEE BREAK
16.00 – 16.20	Status of the designation of PRZ and IRZ in DORD's license area in the CCZ DORD Co., Japan
16.20 – 16.40	Contractor's experiences with PMN reference zones Republic of Korea
16.40 – 17.00	Contractor's experiences with PMN reference zones BGR, Germany
17.00 – 17.20	Contractor's experiences with PMN reference zones COMRA, China
17.20 – 18.00	General principles for IRZ and PRZ 40 min plenary discussion

DAY 2 – THURSDAY, 28 SEPTEMBER 2017

- 09.00 – 09.20 Summary of Day 1 – General principles for IRZ and PRZ and introduction of the rotating working groups
[Amber Cobley](#)
- 09.20 – 10.00 WORKING GROUPS – ROUND 1: Three parallel working groups on design questions by deep-sea mineral:
- WG on Nodules: Design of IRZ and PRZ
(chair: [Craig Smith](#); rapporteur: [Samantha Smith](#))
- WG on Sulphides: Design of IRZ and PRZ
(chair: [Anna Metaxas](#); rapporteur: [Amber Cobley](#))
- WG on Crusts: Design of IRZ and PRZ
(chair: [Malcolm Clark](#); rapporteur: [Stefan Bräger](#))
- 10.00 – 10.40 WORKING GROUPS – ROUND 2: Three parallel working groups design questions continue – group members rotate
- 10.40 – 11.20 COFFEE BREAK
- 11.20 – 12.00 WORKING GROUPS – ROUND 3: Three parallel working groups design questions continue – group members rotate
- 12.00 – 13.00 Design principles for IRZ and PRZ
[60 min plenary discussion](#)
- 13.00 – 14.00 LUNCH
- 14.00 – 14.20 The issue of scarcity in the design and monitoring of IRZ+PRZ
[Lenaick Menot](#)
- 14.20 – 14.40 Molecular methods for monitoring in IRZ+PRZ
[Greg Rouse](#)

- 14.40 – 15.20 WORKING GROUPS – ROUND 4: Three parallel working groups on monitoring questions by mineral
- 15.20 – 16.00 COFFEE BREAK
- 16.00 – 16.40 WORKING GROUPS – ROUND 5: Three parallel working groups monitoring questions continue – group members rotate
- 16.40 – 17.20 WORKING GROUPS – ROUND 6: Three parallel working groups monitoring questions continue – group members rotate
- 17.20 – 18.00 Monitoring principles for IRZ and PRZ
40 min plenary discussion

DAY 3 – FRIDAY, 29 SEPTEMBER 2017

- 09.00 – 09.20 Summary of Day 2 – Design and monitoring principles for IRZ and PRZ
[Stefan Bräger](#)
- 09.20 – 10.20 Three parallel working groups on draft recommendations by deep-sea mineral [60 min without rotation]
- WG on Nodules: Draft recommendations for IRZ and PRZ
(chair: [Annemiek Vink](#); rapporteur: [Samantha Smith](#))
- WG on Sulphides: Draft recommendations for IRZ and PRZ
(chair: [Laleta Davis Mattis](#); rapporteur: [Amber Cobley](#))
- WG on Crusts: Draft recommendations for IRZ and PRZ
(chair: [Andrey Gebruk](#); rapporteur: [Stefan Bräger](#))
- 10.20 – 11.00 COFFEE BREAK
- 11.00 – 11.20 Outcome of WG Nodules – Draft recommendations
[Annemiek Vink](#)
- 11.20 – 11.40 Outcome of WG Sulphides – Draft recommendations
[Laleta Davis Mattis](#)
- 11.40 – 12.00 Outcome of WG Crusts – Draft recommendations
[Andrey Gebruk](#)
- 12.00 – 12.20 Experimental design in the deep-sea to answer basic deep-sea mining questions: an initial power analysis
[Jeff Ardron](#), [ComSec](#)
- 12.20 – 12.40 International law and policy perspectives
[Kristina Gjerde](#), [IUCN](#)
- 12.40 – 13.00 Stakeholder concerns about scientific developments
[Matt Gianni](#), [DSCC](#)

13.00 – 14.00	LUNCH
14.00 – 14.20	<u>Design</u> recommendations of the workshop Stefan Bräger
14.20 – 15.20	Design recommendations for IRZ and PRZ 60 min plenary discussion
15.20 – 16.00	COFFEE BREAK
16.00 – 16.20	<u>Monitoring</u> recommendations of the workshop Amber Cobley
16.20 – 17.20	Monitoring recommendations for IRZ and PRZ 60 min plenary discussion
17.20 – 17.50	Summarizing the workshop recommendations Malcolm Clark
17.50 – 18.00	Closing remarks Sandor Mulsow