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
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
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
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  Design 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  Monitoring 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