
WORKSHOP ON

**MINING COBALT-RICH FERROMANGANESE
CRUSTS AND POLYMETALLIC SULPHIDES
IN THE AREA**

AGENDA

KINGSTON, JAMAICA
31 July to 4 August 2006



Monday, 31 July 2006

09.00 – 10.30

REGISTRATION

10.30 – 11.00

*Welcoming remarks and workshop objectives
- Mr. Nii Odunton, Deputy to the Secretary-General,
International Seabed Authority*

*FRAMEWORK FOR PROSPECTING AND EXPLORATION FOR COBALT-RICH
FERROMANGANESE CRUSTS AND POLYMETALLIC SULPHIDES IN THE AREA*

11.00 – 11.45

*Draft regulations on prospecting and exploration
for polymetallic sulphides and cobalt-rich ferro-
manganese crusts in the Area (ISBA/10/C/WP.1).
- Mr. Baidy Diene, Chairman, Legal and Technical
Commission of the International Seabed Authority*

11.45 – 12.15

C O F F E E B R E A K

12.15 – 13.00

*Prospecting and exploration for polymetallic
sulphides and cobalt-rich ferromanganese crusts in
the Area – Framework established by the code.
- Dr. Lindsey Parson, Legal and Technical
Commission of the International Seabed Authority*

13.00 – 14.30

L U N C H

14.30 – 15.15

*Geologic characteristics and geographic
distribution of potential cobalt-rich ferromanganese
crusts deposits in the Area.
- Dr. James R. Hein, U.S. Geological Survey, Menlo Park,
CA, USA.*

15.15 - 15.45

C O F F E E B R E A K

15.45 – 16.30

Technological issues associated with commercializing cobalt-rich ferromanganese crusts deposits in the Area.

- Mr. Tetsuo Yamazaki, President, Japan Federation of Ocean Engineering Societies, Japan

Tuesday, 1 August 2006

09.30 – 10 .15

Prospecting and exploration for cobalt-rich ferromanganese crusts in the Area.

- Dr. James R. Hein, U.S. Geological Survey, Menlo Park, CA, USA

10.15 – 11 .00

Comments and suggestions to the Draft Regulation on Prospecting and Exploration for Cobalt-Rich Ferromanganese Crusts.

- Mr. Yang Shengxiong, Guangzhu Mrine Geological Survey, China Geological Survey, Guangshou, People's Republic of China

11.00 – 11.30

C O F F E E B R E A K

11.30 – 12.15

Technological issues associated with commercializing polymetallic sulphides deposits in the Area.

- Mr. Tetsuo Yamazaki, President, Japan Federation of Ocean Engineering Societies, Japan

12:15 – 13.00

Review of the nickel, cobalt and manganese markets –

- Ms. Caitlyn L. Antrim, Director, Center for Leadership in Global Diplomacy, USA

13.00 – 14.30

L U N C H

14.30 – 15.15

Review of the copper, lead and zinc markets –

- Ms. Caitlyn L. Antrim, Director, Center for Leadership in Global Diplomacy, USA

Wednesday, 2 August 2006

*MARKET OUTLOOK FOR THE METAL COMMODITIES IN
COBALT-RICH FERROMANGANESE CRUSTS AND POLYMETALLIC SULPHIDES*

- 09.30 – 10 .15* *Review of the silver and gold markets –*
- Ms. Caitlyn L. Antrim, Director, Center for Leadership in Global
Diplomacy, USA
- 10.15 – 11 .00* *Demand for mineral resources in the People’s Republic*
of China – short, medium and long term projections.
- Dr. Hongtao Zhang, Deputy Director-General, China
Geological Survey, Beijing, People’s Republic of China
- 11.00 – 11.20* *C O F F E E B R E A K*
- 11.20 – 12:00* *Prospecting and exploration for seafloor polymetallic*
sulphides in the Area.
- Dr. James R. Hein on behalf of Mr. Mark Hannington’s paper
- 12.00 – 12.40* *Environmental aspects of cobalt-rich ferromanganese*
crusts and polymetallic sulphides development –
framework established by the code.
- Dr Lindsay Parson, member of the Legal and Technical
Commission of the International Seabed Authority
- 12.40 – 13.15* *A cost comparison of implementing environmental*
regulations for land-based mining and polymetallic
sulphides mining.
- David Heydon, Chief Executive Officer, Nautilus
Minerals Limited, Australia
- 13.15 – 14.30* *L U N C H*

14.30 – 16.00 *A hypothetical cobalt-rich ferromanganese crusts mine in the Area.*
- *Dr. Charles Morgan, Environmental Planner, Planning Solutions, Inc., Mililani HI, USA*

16.30 – 18.00 *A hypothetical polymetallic sulphides mine in the Area.*
- *Mr. Mike Johnston, Vice President, Corporate Development, Nautilus Minerals, Australia*

Thursday, 3 August 2006

09.30 – 10.15 *Formation of two Working Groups to examine the effects of the proposed system of participation of the Authority in crusts and sulphides mines in the Area, using the hypothetical mines in the Area.*

10.15 – 11.15 *C O F F E E B R E A K*

11.15 – 13.00 *Working groups meet.*

13.00 – 14.30 *L U N C H*

14.30 – 15.15 *Working groups meet*

15.15 – 15.45 *C O F F E E B R E A K*

15.45 – 18.00 *Working group meets*

Friday, 4 August 2006

09.30 – 11.00

Preparation of working group reports on how the Authority's participation might operate in practice.

11.00 – 11.30

C O F F E E B R E A K

11.30 – 12.30

Presentation of working group reports.

12.30 – 13:00

Presentation of working group reports

13.00 – 14.30

L U N C H

14.30 – 15.30

*Final remarks and workshop closure
- Ambassador Satya N. Nandan, Secretary-General,
International Seabed Authority*