

ISA contract regimes for deep-sea mining

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Introduction

Contract for approve plans of work

Legal Framework

UNCLOS-Article 8; Define purpose and geographical area for mining

Technical Framework [Interpretation by ISA of UNCLOS]

ISBA/19/C/17 [amendments; 22 July 2013]

ISBA/16/A/12/Rev.1[15 November 2010]

ISBA/18/A/11[22 October 2012]

Outcomes:

Regulation for Implementation Spatial boundaries/legal bindings

ISA: Structure & functioning



Principal Organs

Established under the United Nations Convention on the Law of the Sea 1982 and the 1994 Agreement for the Implementation of Part XI of the Convention

Legal and Technical Commission 30 Members

Economic Planning Commission

Articles 163 and 165 - Composed of 15 members, currently enlarged to 30.



Council 36 Members



Group A: Consumer (4)

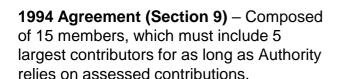
Group B: Investor (4)

Group C: Exporters (4)

Group D: Undev.- special interest (6)

Group E: Geographical equity (18)

Financial Committee 15 Members





Assembly:165 Members States



Article 160 – Supreme organ of the Authority with the power to establish general policies on any question or matter within the competence of the Authority

Secretariat (ISA)

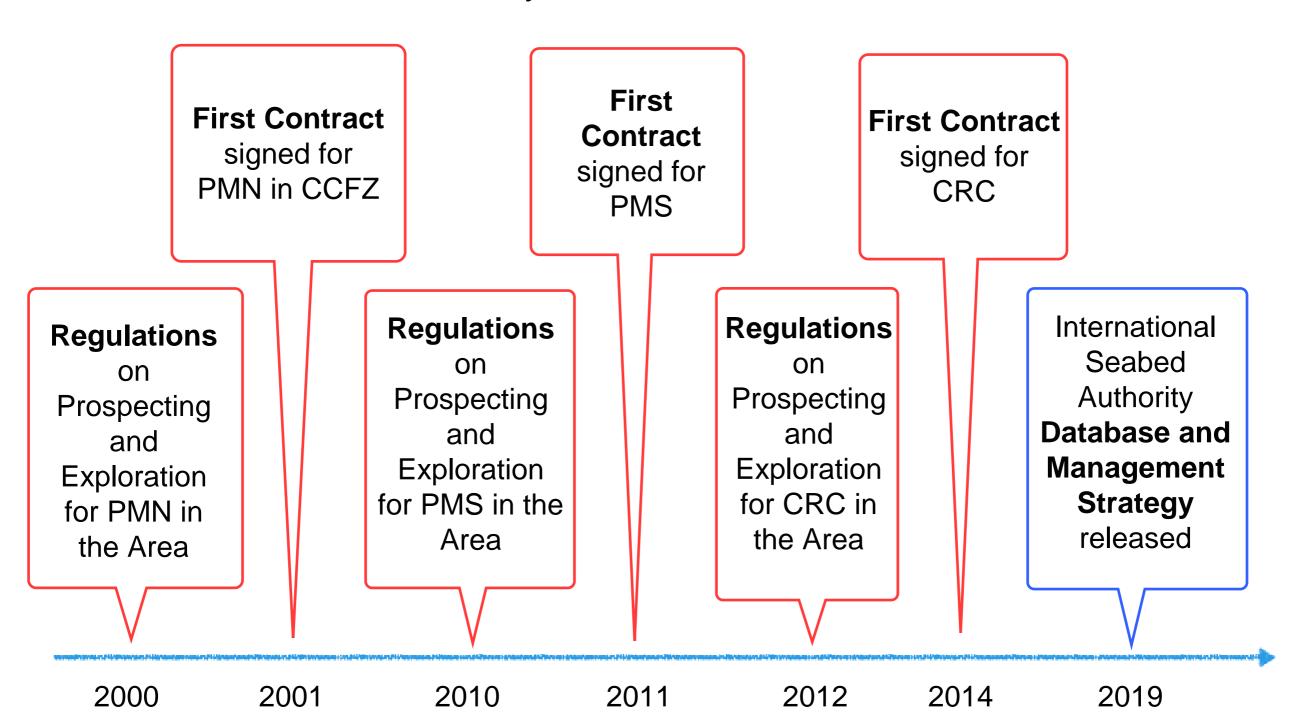
Enterprise

Articles 163 and 164, 1994
Agreement (Section 1) Not
currently operational.
Functions carried out by
Legal and Technical
Commission

ISA: Structure & functioning



International Seabed Authority timeline



Polymetallic Nodules

Article 8: Reservation of Areas

- 1.All, except for reserved areas and Enterprise; area requested for mining activities shall cover a sufficiently large area, not be a single one, to allow 2 mining site operations.
- 2. The applicant should indicate 2 commercially equal areas to ISA; within 45 days ISA designates which becomes a <u>reserve area</u> solely for the conduct of activities by the <u>Authority/Enterprise/association with developing states</u>

UNCLOS-Annex III:Art 8; Thereafter Designated the Parallel Regime

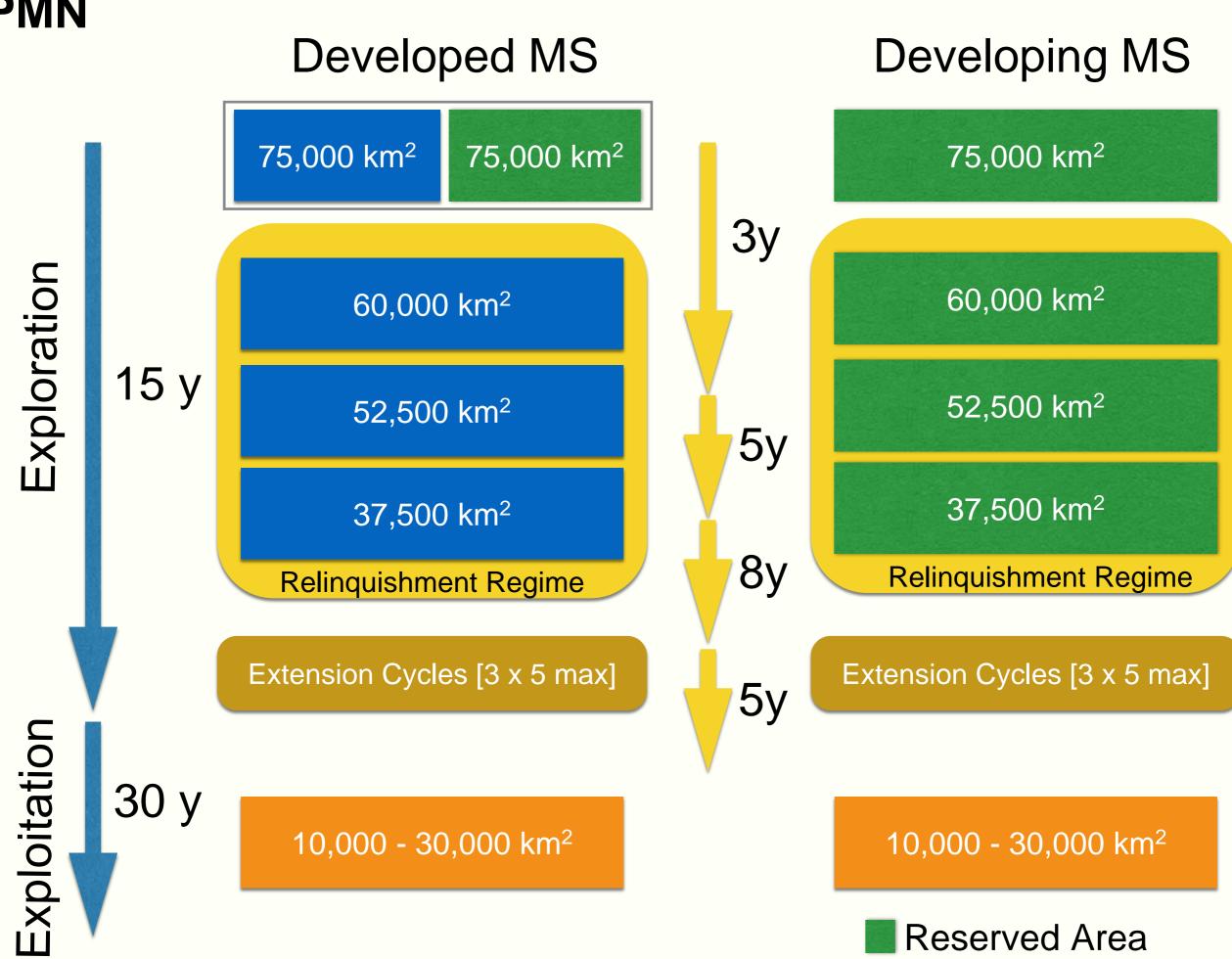
ISBA/19/C/17[22 July 2013]

Council decided to amend Regulations on Prospecting and Exploration for Polymetallic Nodules in the Area and related matters

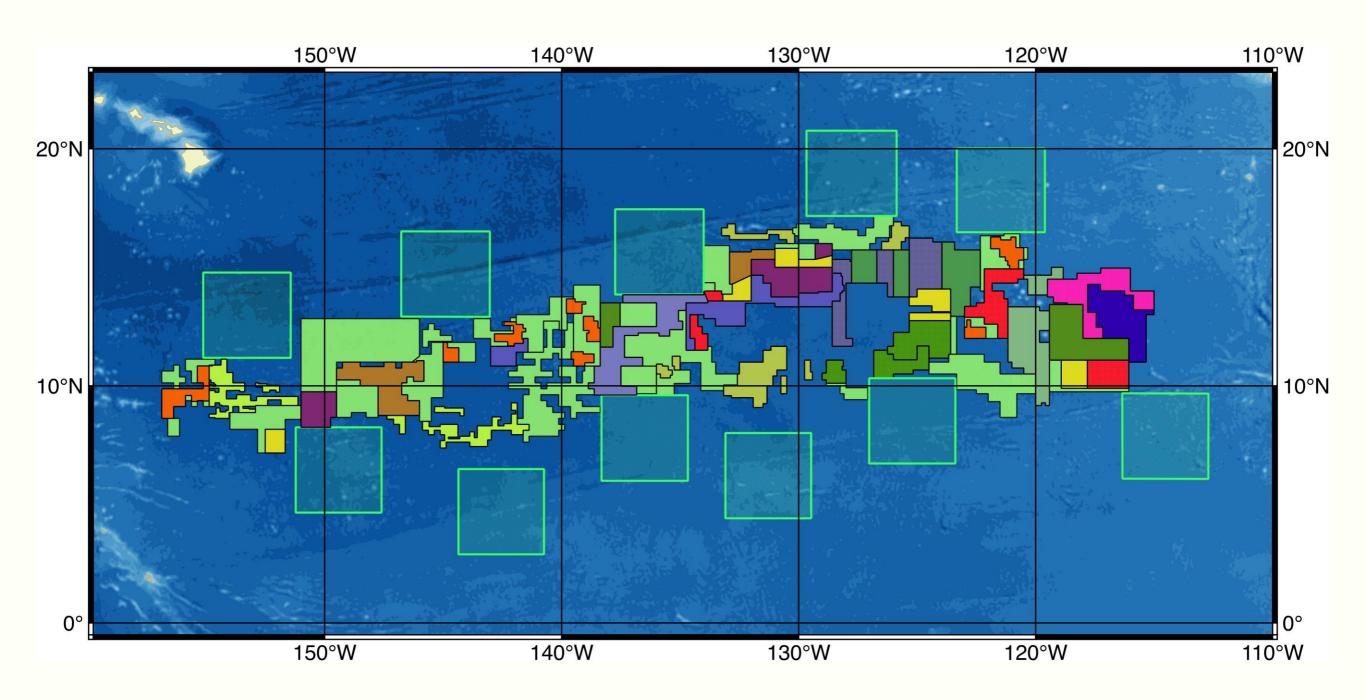
Regulation 25: Total area covered by the application

- 1.Total area not to exceed 75,000 km²
- 2. After 3 years, should relinquish 20%* [15,000 km²)
- 3. After 5 years, should relinquish 10% [7,500 km²]
- 3. After 8 years, should relinquish 20% [15,000 km²]

PMN



PMN: Approved Plans of Work



Polymetallic Sulphides

Article 8: Reservation of Areas

- 1.All, except for reserved areas and Enterprise; area requested for mining activities shall cover a sufficiently large area, not be a single one, to allow 2 mining site operations.
- 2. The applicant should indicate 2 commercially equal areas to ISA; within 45 days ISA designates which becomes a <u>reserve area</u> solely for the conduct of activities by the <u>Authority/Enterprise/association with developing states</u>

UNCLOS-Annex III:Art 8; Thereafter Designated the Parallel Regime

ISBA/16/A/12/Rev.1[15 Nov 2010]

Assembly adopted Regulations on Prospecting and Exploration for Polymetallic sulphide in the Area.

Regulation 17: Data and information to be submitted before the designation of a reserve area

Regulation 19: Equity Interest in a joint venture arrangement; into effect when exploitation tak

Regulation 12: Total area covered by the application

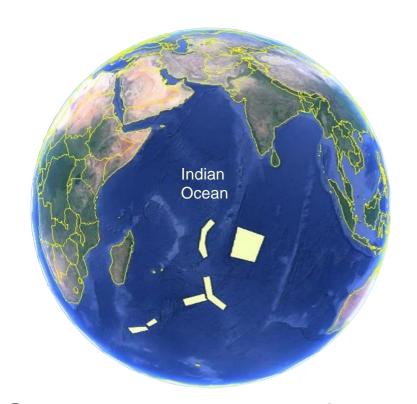
1.Blocks [10 x 10km], not to exceed 100 blocks [10,000 km²]

Regulation 27: Size of area and relinquishment

- 1. After 8 years, should relinquish at least 50% [5,000 km²]
- 2. After 10 years, should relinquish at least 25% [2,500 km2]

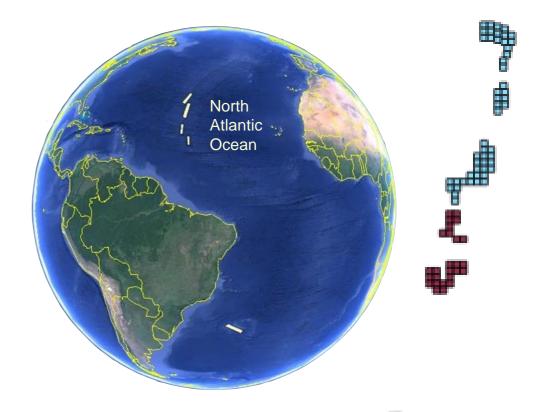
PMS Developed MS Developing MS 10,000 km² 10,000 km² 10,000 km² 8y Exploration 5,000 km² 5,000 km² 15 y 2,500 km² 2,500 km² 10y Relinquishment Regime Relinquishment Regime Extension Cycles [3 x 5 max] **5**y Extension Cycles [3 x 5 max] **Exploitation** ? y 2,500 km² 2,500 km² Reserved Area

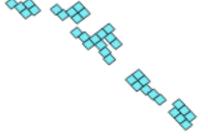




PMS: Approved Plans of Work Indian Ocean mid-oceanic ridge











Cobalt-rich Ferromanganese Crust

Article 8: Reservation of Areas

- 1.All, except for reserved areas and Enterprise; area requested for mining activities shall cover a sufficiently large area, not be a single one, to allow 2 mining site operations.
- 2. The applicant should indicate 2 commercially equal areas to ISA; within 45 days ISA designates which becomes a <u>reserve area</u> solely for the conduct of activities by the <u>Authority/Enterprise/association with developing states</u>

UNCLOS-Annex III:Art 8; Thereafter Designated the Parallel Regime ISBA/18/A/11[22 Oct 2012]

Assembly adopted Regulations on Prospecting and Exploration for Cobalt-rich Ferromanganese Crusts in the Area.

Regulation 17: Data and information to be submitted before the designation of a reserve area

Regulation 19: Equity Interest in a joint venture arrangement; into effect when exploitation tak

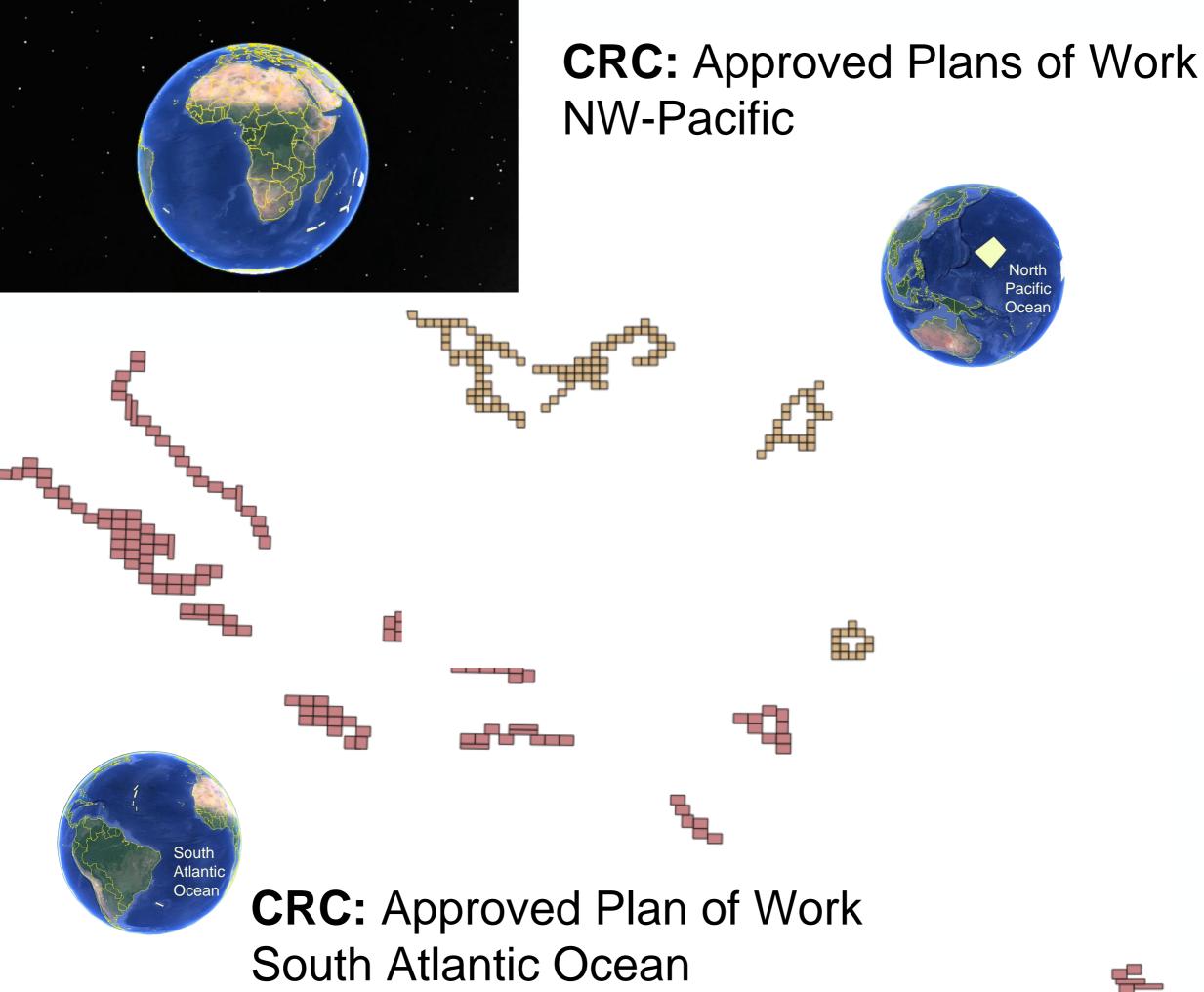
Regulation 12: Total area covered by the application

1.Blocks [20 km²], not to exceed 150 blocks [3,000 km²]; extended within 550 x 550 km

Regulation 27: Size of area and relinquishment [not need to be contiguous, sub-blocks]

- 1. After 8 years, should relinquish at least 30% [900 km²]
- 2. After 10 years, should relinquish at least 30% [900 km²]

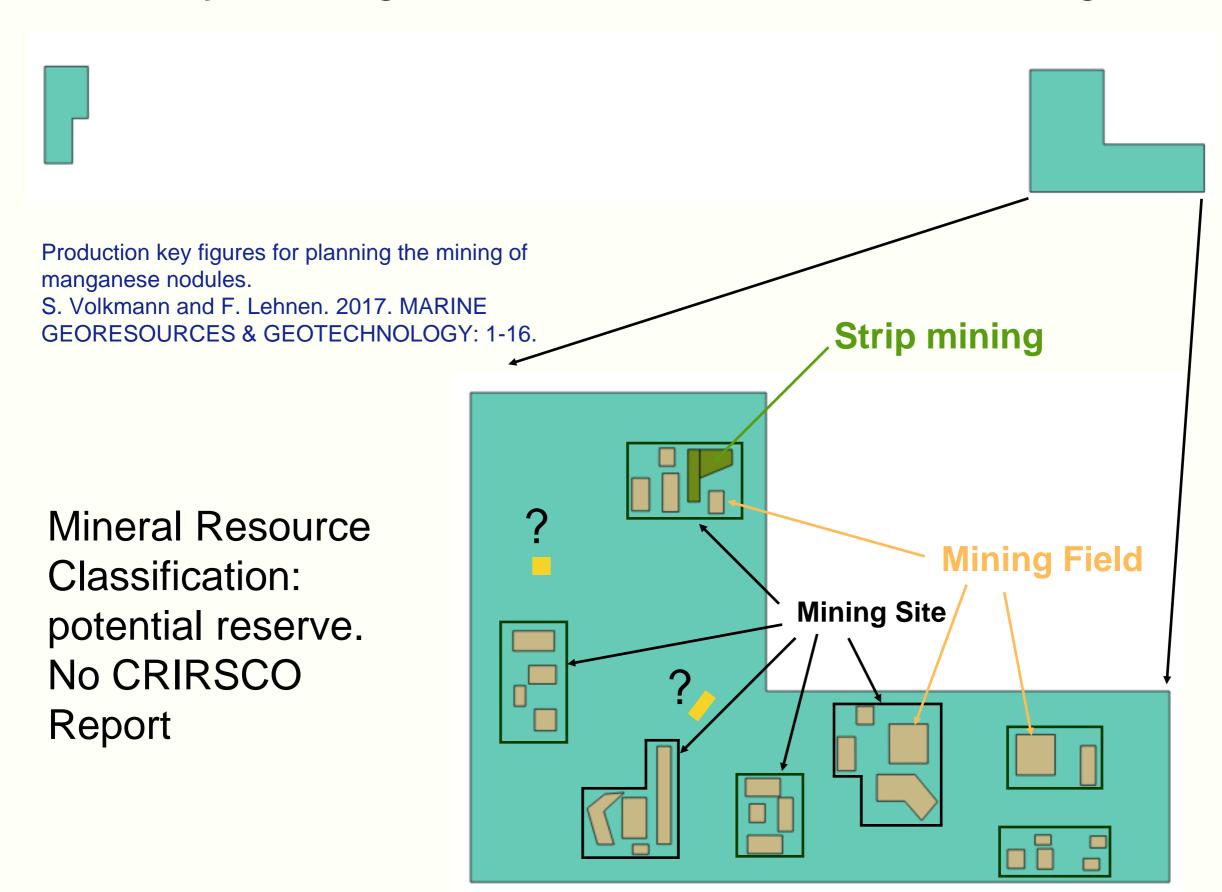
Cobalt-rich Ferromanganese Crust Developed MS Developing MS 3,000 km² 3,000 km² 3,000 km² 8y Exploration 900 km² 900 km² 15 y 900 km² 900 km² 10y Relinquishment Regime Relinquishment Regime Extension Cycles [3 x 5 max] **5**y Extension Cycles [3 x 5 max] **Exploitation** ? y 1,200 km² 1,200 km² Reserved Area







Case study: Mining Plan for PMN, CCZ [Blue mining EU]



Concluding Remarks

- 1.Article 8 of UNCLOS define terms (regimes) of contract implementation for approval plan of works.
- 2. There are 2 regimes for APW: parallel regime Reserved Areas and equity join venture no reserved areas.
- 3.ISBA/19/C/17 [amendments; 22 July 2013]; SBA/16/A/12/Rev.1[15 November 2010]; SBA/18/A/11[22 October 2012] Defined geographical areas as well as legal binding of any APW for any of the Ores
- 4. The above rules-regulations provide the an interpretation of UNCLOS;, that set boundaries for mining fields, mining site, mining plans.
- 5. The above rules and regulations, set the limits geographical- that need to be accounted for on the definition of ABMT dealing with EMP that has to provide guidelines to the future mining code.
- 6.Mining Industry profits by depleting mineral assets, the knowledge of which is imperfect prior to the commencement of extraction. It is therefore essential that the industry communicates the risks associated with investment effectively and transparently in order to earn the level of trust necessary to justify its activities.