







WORKSHOP FOR THE PROMOTION OF SUSTAINABLE DEVELOPMENT OF AFRICA'S DEEP SEABED RESOURCES IN SUPPORT TO AFRICA'S BLUE ECONOMY PRETORIA SOUTH-AFRICA 16-18 May 2019

The legal framework for activities in the Area: transitioning from exploration to exploitation



CONTENT

- 1. Exploration regulations: application, contract and activities
- 2. Draft exploitation regulations: development
- 3. Next steps



1. EXPLORATION REGULATIONS: APPLICATION, CONTRACT AND ACTIVITIES

EXPLORATION REGULATIONS AND GUIDANCE

Regulations

- Regulations on Prospecting and Exploration for Polymetallic Nodules in the Area
- Regulations on Prospecting and Exploration for Polymetallic Sulphides in the Area
- Regulations on Prospecting and Exploration for Cobalt-rich Ferromanganese Crusts in the Area

LTC Recommendations for the guidance of contractors

-for the assessment of the possible environmental impacts arising from exploration for marine minerals in the Area
-and sponsoring States relating to training programmes under plans of work for exploration
-for the reporting of actual and direct exploration expenditure
-on the content, format and structure of annual reports





Application for approval of plan of work Qualified entity **Sponsoring State** Consideration by Legal and **Technical Commission** Approval by Council Contract for Exploration

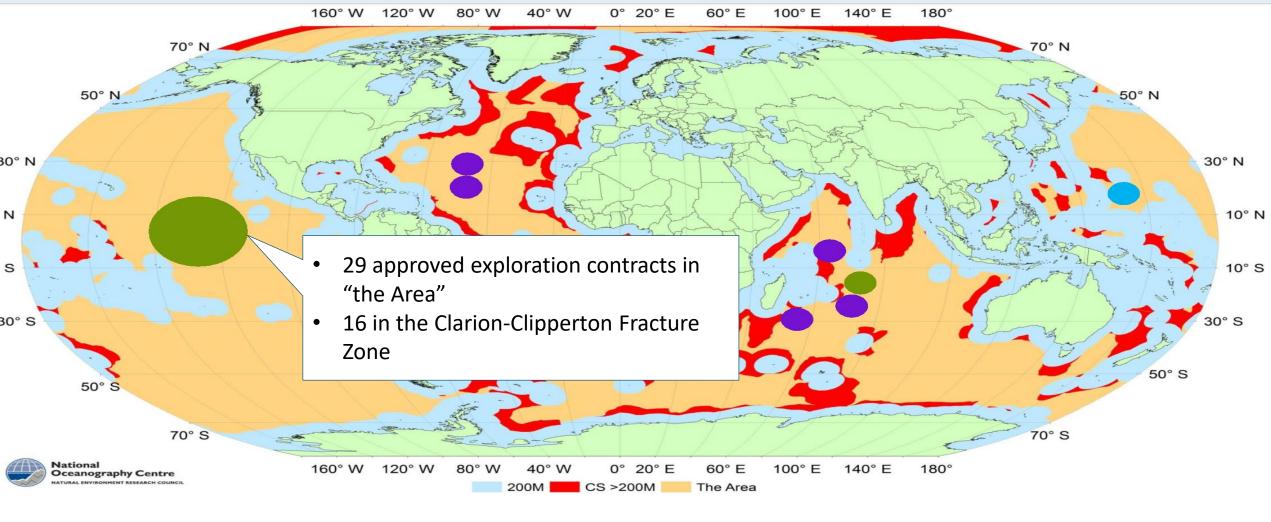


STANDARD EXPLORATION CONTRACT TERMS

- 15 year term; extension for 5 years in 'exceptional circumstances' (reasons beyond contractors control or prevailing economic circumstances
- Exclusive rights for exploration (but limited to that specific mineral)
- Preference and priority for exploitation
- Progressive relinquishment of exploration area
- Annual reporting
- 5-year review mechanism of programme of activities
- Establish environmental baselines plus monitoring programmme
- Mandatory training programme
- Data to be submitted on expiry or application for exploitation
- Safety, labour and health standards
- Disputes: Part XI, Section 5, of the Convention, including recourse to SDC



EXPLORATION ACTIVITIES IN THE AREA: MINERAL RESOURCES AND AREAS OF INTEREST





Polymetallic nodules

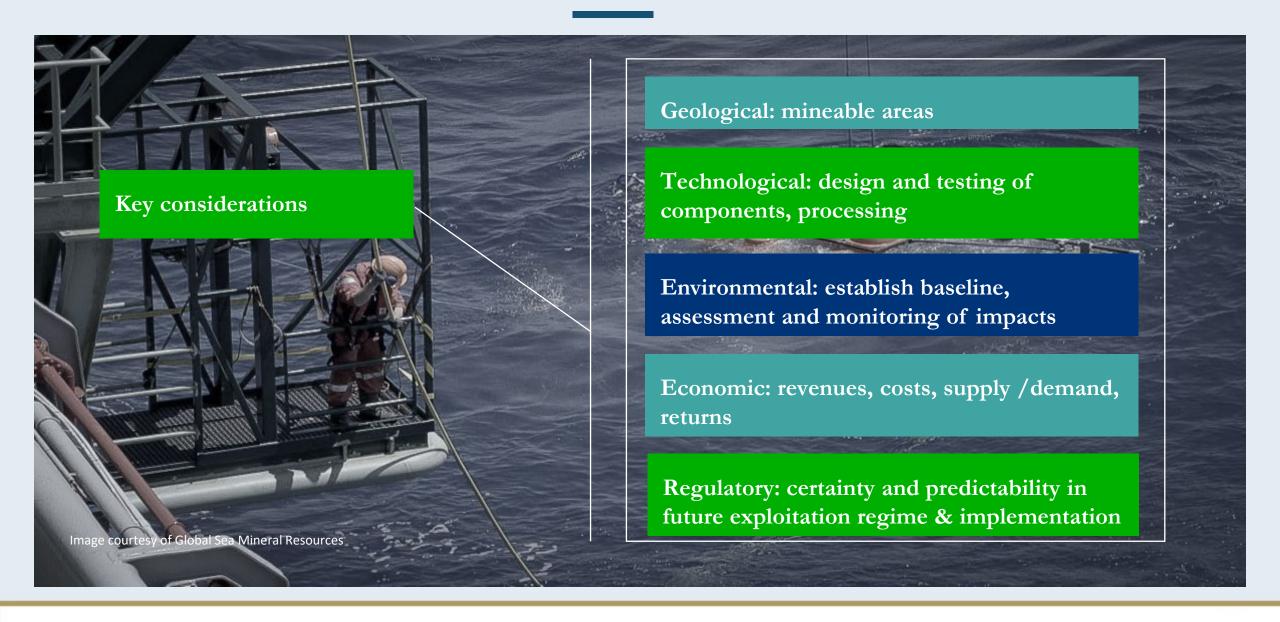


Polymetallic sulphides



Cobalt-rich crusts

EXLORATION CONTRACTS



2. DRAFT EXPLOITATION REGULATIONS: DEVELOPMENT

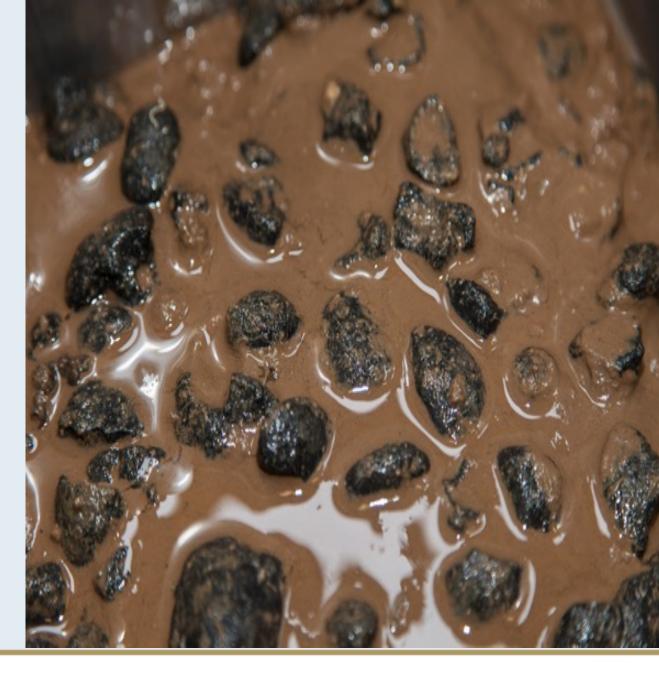
DRAFT REGULATIONS ON EXPLOITATION OF MINERAL RESOURCES IN THE AREA



- Revised draft issued by ISA's Legal & Technical Commission to ISA Council, March 2019 (ISBA/C/25/WP.1)
- Builds on knowledge and outputs of the exploration framework
- Result of multi-disciplined stakeholder review and input over 5 years
- Sets out fundamental rights and obligations between the ISA and future mining operators
- To be supplemented by a <u>suite of guidelines and standards</u> (workshop in Pretoria this week)
- Continued development of regulatory framework to foster risk-based approach to regulation by the ISA and sponsoring States
- Ensure a level playing field across applicants and mining entities

DRAFT REGULATIONS ON EXPLOITATION OF MINERAL RESOURCES IN THE AREA: CORE ELEMENTS

- Guiding policies and principles
- Duty to cooperate and exchange of information across a number of actors
- Robust application and assessment process, including stakeholder participation
- Safety, labour and health standards
- Emergency response and contingency planning
- Environmental documentation & requirements, incl. environmental performance assessment
- Review mechanism
- Financial terms: royalty
- Inspection, compliance and enforcement
- Environmental compensation fund



A RISK-BASED APPROACH

- The "what" to regulate and "how" (and "when") to regulate it
- Risk-based approach to regulation
 - Risk-based regulation (risk assessment framework)
 - Application of environmental and other standards
 - Evidence-based decision-making
 - Better alignment of regulatory resources
- Certainty and predictability
- Document policy approach to regulation



OUTCOME OR RESULT-BASED REGULATION

- A performance-based regime
- Focuses on producing the desired performance (e.g. environmental performance or safety) not the production of more rules
- Determine the output or performance levels e.g. objectives, criteria, quality standards, thresholds, trigger points (contractual requirements)
- Contractor flexibility in delivering the output or performance level: drive innovation
- Constraint: state of existing knowledge
- Focus on processes to get us there

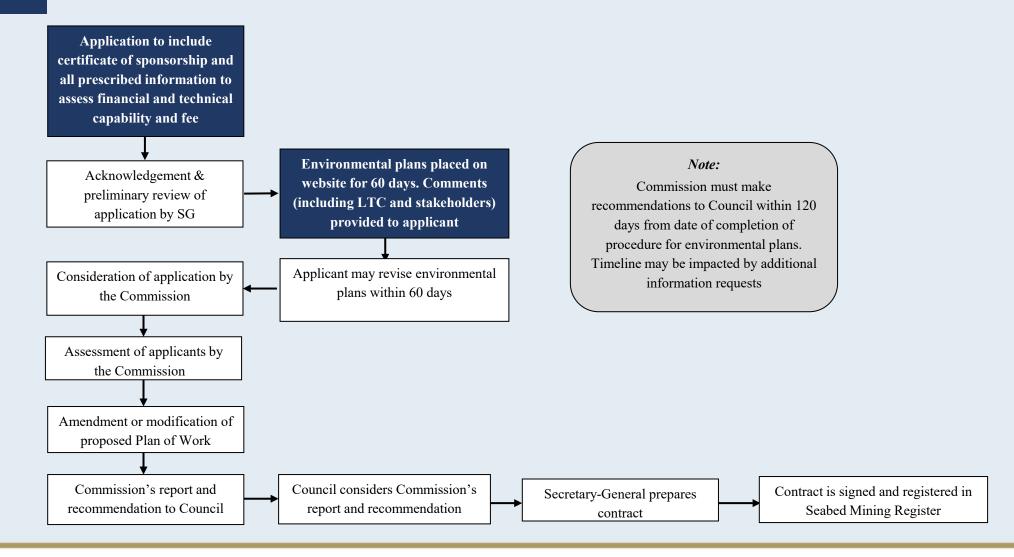


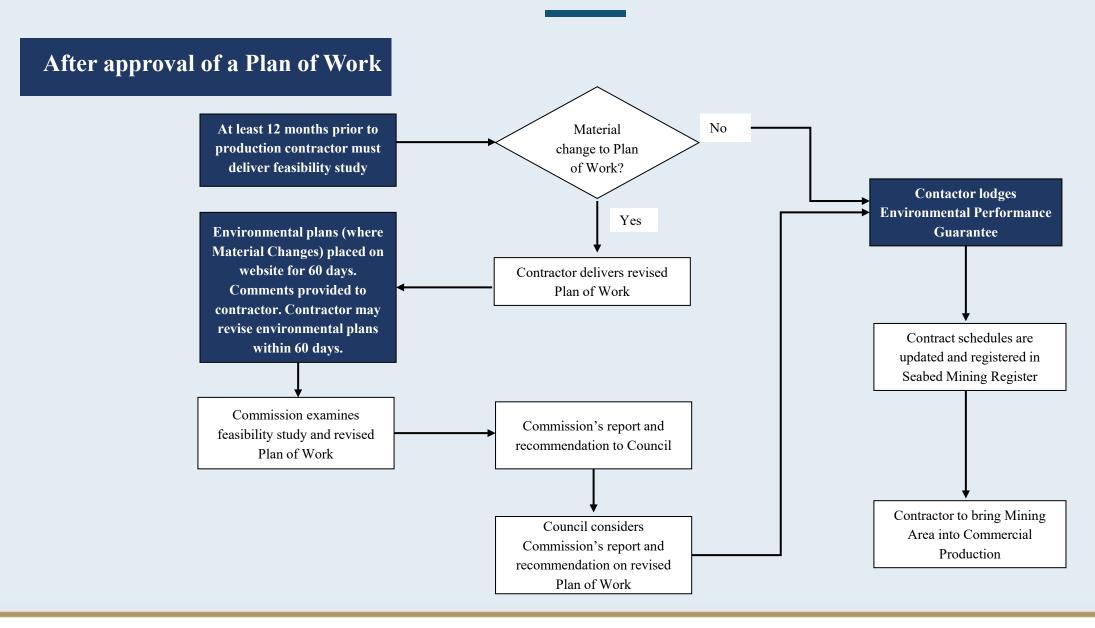
DRAFT REGULATIONS ON EXPLOITATION OF MINERAL RESOURCES IN THE AREA: APPLICATION

Application for Approval of a Plan of Work for Exploitation

- 1. Exploration data and information
- 2. Mining work plan
- 3. Financing plan
- 4. Environmental impact statement
- 5. Emergency response and contingency plan
- 6. Health and Safety Plan and a Maritime Security Plan
- 7. Training plan
- 8. Environmental management and monitoring plan
- 9. Closure plan

Application





Overview of Contractor Activities

	Under EXPLORATION Contr	Under EXPLOITATION Contract						
Contractor activities	Exploration phase: +- 15 years	Contract continues in force	Indicative timings:	+- 5 years?	+- 3 years?	+- 2 years?	+- [20] years?	+ [5] years
			Feasibility		Construction	Production	Commercial Prodn.	Closure
Pre-feasibility stage / study ¹	Est. mineable areas / grade & quality of resource (inferred / indicated); testing of components	on for a Plan of iloitation]			Continued exploration activities			
Environmental baseline, risk assessment, monitoring and management	Est. baselines; monitoring programme + Prior EIA for specific activities (e.g. testing)	[Application for Approval of a Plan of Work for Exploitation]	Continued environmental assessment. Monitoring and management under Environmental Management and Monitoring Plan					
Feasibility stage / study (bankable) ² (would include integrated pilot mining?)			FS require investme (probable rese	nt capital / proven				
Construction					Infrastructure (e.g. Mining vessel)			
Production: ramp up (commencement of mining activities)						[Per FS / Mining Plan]		
Commercial production							[Per FS / Mining Plan]	
Closure / Post closure monitoring								[Per Closure Plan]



3. NEXT STEPS

NEXT STEPS

- 1. Negotiation of regulatory text (adoption by July 2020)
- 2. Craft financial terms for contracts
- Interfaces with sponsoring States and relevant international organizations (e.g. IMO)
- 4. Develop work programme for fit-for-purpose regulatory process and performance standards & guidelines, incl. risk assessment frameworks (Draw on experiences of regulatory approaches to natural resource and environmental regulation)
- 5. Document policy approach to regulation
- 6. Design a robust monitoring (remote), inspection and compliance mechanism

