



## Legal and Technical Commission

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English only

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### Twenty-eighth session

Legal and Technical Commission session, part II  
Kingston, 28 June–7 July 2023

Agenda item 5

### Status of the implementation of training programmes under plans of work for exploration and the allocation of training opportunities

#### Selection of candidates for training programmes under plans of work for exploration

##### Recommendations by the Legal and Technical Commission

1. Since March 2023, a total of thirty-two training opportunities were offered by nine contractors pursuant to their contracts for exploration with the Authority. Amongst these training opportunities were: two professional placements to participate in 2023 Seminar on Dredging Technologies organized by the Antwerp Port Training Center, one fellowship to pursue a Master of Marine and Lacustrine Science and Management (Ocean & Lakes) and two at-sea onboard placements offered by Global Sea Mineral Resources NV (GSR); one internship and one at-sea training placement by Institut français de recherche pour l'exploitation de la mer (Ifremer) under its polymetallic nodules contract; four master of science fellowships along with 2-months internships by Ocean Mineral Singapore Pte. Ltd. (OMS); five multidisciplinary training placements by Interoceanmetal Joint Organization (IOM); five at-sea onboard and on-land training placements by Deep Ocean Resources Development Co., Ltd. (DORD); five at-sea onboard placements by Beijing Pioneer Hi-tech. Development Corporation Ltd. (BPC); two undergraduate scholarships by Nauru Ocean Resources Inc.(NORI); two undergraduate scholarships by Tonga Offshore Mining Ltd. (TOML); six at-sea onboard and post-cruise training placements by Federal Institute for Geosciences and Natural Resources of the Federal Republic of Germany (BGR) under its polymetallic sulphides contract; and two at-sea onboard placements by the Republic of Korea under its Cobalt-rich ferromanganese crusts contract (see annex I).

2. To accommodate the scheduling demands for the training programmes, the Commission, prior to the commencement of Part II of the twenty-eighth session, in accordance with the recommendations of the training subgroup, selected candidates for the above programmes with the exception of the at-sea training placements by GSR, the OMS, DORD, NORI, TOML and BGR (see annex II). The GSR and OMS programmes were recommended for re-advertisement due to insufficient number of applicants, the selection for DORD, NORI, TOML and BGR were completed during Part II of the twenty-eighth session (see annex III).

3. Candidates were selected based on the criteria provided by contractors. Due consideration has been given to gender balance and equitable geographical distribution, with particular attention given to the interests and needs of least developed countries (LDCs), landlocked developing countries (LLDCs) and small island developing States (SIDS), as requested by the Council in a decision adopted at the twentieth session (ISBA/20/C/31, para. 6) and reiterated in the decision of the Assembly adopted at the twenty-sixth session relating to the implementation of a programmatic approach to capacity development (ISBA/26/A/18).

4. Of the 32 placements selected since March 2023, 18 (56%) were allocated to nationals from the Asia and Pacific Group, 10 (31 %) to nationals from the African Group, and 4 (13%) to nationals from the Latin American and Caribbean States Group. Four (13%) placements went to nationals from LDCs, 1 (3%) from LLDC, 5 (16%) from SIDS, four (13 %) from SIDS/LDCs.<sup>1</sup>

5. Some contractors have continued to positively contribute to the implementation of the Women in Deep-Sea Research project (WIDSR)<sup>2</sup> by pledging 50 per cent of their training placements to qualified women. Since March 2023, the number of Contractors has increased by two with Blue Minerals Jamaica Limited (BMJ) and UK Seabed Resources Ltd. joining the other eight BGR, Companhia De Pesquisa de Recursos Minerais (CPRM), DORD, GSR, Ifremer, Marawa Research and Exploration Ltd., NORI and TOML that already committed to the pledge. Of the 20 placements pledged since March 2023<sup>3</sup>, 13 (65%) of the selected candidates were women.

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<sup>1</sup> See Annex II and III

<sup>2</sup> More information is available at [www.isa.org.jm/capacity-development-training-and-technical-assistance/widsr-project/](http://www.isa.org.jm/capacity-development-training-and-technical-assistance/widsr-project/).

<sup>3</sup> See Annex I for Contractors who pledged under this reporting period

## Annex I

### Training proposals offered by contractors<sup>4</sup>

<i>Date of receipt</i>	<i>Contractor</i>	<i>Exploration contract</i>	<i>WIDSR Pledge</i>	<i>Type of training</i>	<i>Places</i>	<i>Scheduled training time</i>	<i>Duration of training</i>	<i>Applications received</i>
30 August 2022	Global Sea Mineral Resources NV	Polymetallic nodules	Yes	APEC Dredging	2	5 – 16 June 2023	2 weeks	5
			Yes	At-sea on-board training	2	Q2 and Q3 of 2023	35 to 40 days	5
			Yes	Master's Fellowship	1	September 2023	1 year	10
6 December 2022	Institut français de recherche pour l'exploitation de la mer	Polymetallic nodules	Yes	Internship (environmental Studies)	1	Mid-September to November 2023	2 Months	7
		Polymetallic nodules	Yes	At-sea on-board training	1	Between October 2023 & March 2024	45 days	18
28 November 2022	Ocean Mineral Singapore Pte Ltd.	Polymetallic nodules	-	Master's Fellowship + Internship	4	August 2023/ January 2024	1 year + 2 months	2
11 January 2023	Interoceanmetal Joint Organization	Polymetallic nodules	-	Multidisciplinary training	5	September-October 2023	6 weeks	21
22 January 2023	Deep Ocean Resources Development Co. Ltd.	Polymetallic nodules	Yes	At-sea on-board training	5	October-December 2023	30-40 days	22

<sup>4</sup> Details of current and past training proposals can be found at <https://isa.org.jm/training/contractor-training>.  
*Abbreviation:* WIDSR, Women in Deep-Sea Research project.

<i>Date of receipt</i>	<i>Contractor</i>	<i>Exploration contract</i>	<i>WIDSR Pledge</i>	<i>Type of training</i>	<i>Places</i>	<i>Scheduled training time</i>	<i>Duration of training</i>	<i>Applications received</i>
9 February 2023	Beijing Pioneer Hi-Tech Development Corporation	Polymetallic nodules	-	At-sea on-board training	5	July 2023	40 days	21
13 February 2023	Nauru Ocean Resources Inc.	Polymetallic nodules	Yes	Undergraduate scholarship	2	February 2024	3 or 4 years	6
13 February 2023	Tonga Offshore Mining Ltd	Polymetallic nodules	Yes	Undergraduate scholarship	2	February 2024	3 or 4 years	5
1 March 2023	Federal Institute for Geosciences and Natural Resources of Germany	Polymetallic sulphides	Yes	At-sea & Post cruise Training	6	September 2023 & Q1/2 2024	70 days	25
14 March 2023	The Republic of Korea	Cobalt-rich ferromanganese crusts	-	At-sea Training	2	August 2023	25 days	15

## Annex II

### Result of selection of candidates conducted before part II of the twenty-eighth session

#### Global Sea Mineral Resources NV (GSR)

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
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#### APEC Seminar on Dredging Technologies

##### *First-ranked candidates*

1. Teereta Kanoua	Female	Kiribati	LDC/ SIDS
2. Nishal Anuth	Male	Mauritius	SIDS

##### *Alternates*

1. Abraham W. Nnokam	Male	Nigeria	
2. Augustine B. Ohas	Male	Nigeria	

#### Master's Fellowship "Ocean & Lakes"

##### *First-ranked candidates*

1. Pawangi Jayathilaka	Female	Sri Lanka	
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##### *Alternates*

1. Prasadi G. De Silva	Female	Sri Lanka	
2. Melissa Manono	Female	Kenya	

#### Institut français de recherche pour l'exploitation de la mer (Ifremer) Polymetallic nodules

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
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#### Internship (environmental Studies)

##### *First-ranked candidates*

1. Khadidja W. Abdallah	Female	Alegria	
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##### *Alternates*

1. Omar Ali	Male	Somalia	LDC
2. Jennifer A. Adesina	Female	Nigeria	

#### At-sea Onboard Training

1. K.M. Imam Hossain	Male	Bangladesh	LDC
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##### *Alternates*

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
1. Michael M. Kangútu	Male	Kenya	
2. Turia Bokai	Female	Kiribati	LDC/SIDS

**Beijing Pioneer Hi-Tech Development Corporation (BPC)**

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
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**Environmental Survey**

*First-ranked candidates*

1. Lawrence T. Koteene	Male	Kenya
2. Elizabeth Nwamba	Female	Nigeria

*Alternates*

1. Peterlis Osamba	Male	Kenya
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**Geological Survey**

*First-ranked candidates*

1. Lucia Cattana	Female	Argentina
2. Susie Cahyanti B. Tasman	Female	Malaysia

*Alternates*

1. Toochukwu P. Chidiebere-Odoh	Female	Nigeria
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**Geophysical Survey**

*First-ranked candidates*

1. John T. Omondi	Male	Kenya
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**Interoceanmetal Joint Organization (IOM)**

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
<i>First-ranked candidates</i>			
1. Madiha H Moustafa	Female	Egypt	
2. Brian L. Lynch	Male	Jamaica	SIDS
3. Shahrin Azmee	Female	Bangladesh	LDC
4. Mereseini A. Radidi	Female	Fiji	SIDS
5. Richard O. Anginya	Male	Kenya	
<i>Alternates</i>			
1. Ralph Carlo Evidente	Male	Philippines	
2. Omar A. Ali	Male	Somalia	LDC
3. Harvey Mpoto Bombaka	Male	Democratic Republic of the Congo	
4. Md. Harun Or Rashid	Male	Bangladesh	LDC
5. Eric A. Yeboah	Male	Ghana	

**Ministry of Oceans and Fisheries of the Republic of Korea  
Cobalt-rich ferromanganese crusts**

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
<b>Marine Geology Placement</b>			
<i>First-ranked candidates</i>			
1. Md. Harun Or Rashid	Male	Bangladesh	LDC
<i>Alternates</i>			
1. Hoang V. Nguyen	Male	Viet Nam	
<b>Marine science / Marine Biology Placement</b>			
<i>First-ranked candidates</i>			
1. Evangeline S. Sapul	Female	Philippines	
<i>Alternates</i>			
1. Laureana T. Nepomuceno	Female	Philippines	

## Annex III

### Result of selection of candidates conducted during part II of the twenty-eighth session

#### Deep Ocean Resources Development Co., Ltd (DORD)

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
<i>First-ranked candidates</i>			
1. Md. Jahangir Alam	Male	Bangladesh	LDC
2. Ijeoma Orji	Female	Nigeria	
3. Camila Stempels Bautista	Female	Argentina	
4. Patience Makungu	Female	Kenya	
5. Sapolu Tetoa	Male	Tuvalu	LDC/SIDS
<i>Alternates</i>			
1. Neema Masinde	Female	United Republic of Tanzania	LDC
2. Ayamezimi Ehinlaiye	Male	Nigeria	
3. Eric Yeboah	Male	Ghana	

#### Federal Institute for Geosciences and Natural Resources of the Federal Republic of Germany (BGR) Polymetallic sulphides

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
<b>Geological Training</b>			
<i>First-ranked candidates</i>			
1. Chelsi Grace Mendoza	Female	Phillipines	
2. Kristine Joy Motol	Female	Phillipines	
3. Georges Kasay	Male	Democratic Republic of the Congo	
4. Alessandra Rivero Cortés	Female	Bolivia (Purinational State of)	
<i>Alternates</i>			
1. Sundi Malomo	Female	United Republic of Tanzania	
2. Ayamezimi O. Ehinlaiye	Male	Nigeria	



<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
3. Godwin Mnyika	Male	Kenya	
<b>Geophysical Training</b>			
<i>First-ranked candidates</i>			
1. Faye Anne De Leon	Female	Phillipines	
2. Elisha Jane Maglalang	Female	Phillipines	
<i>Alternates</i>			
1. Bijesh Cheriya Moothoor	Male	India	
2. Joseph Aisabokhae	Male	Nigeria	

#### **Tonga Offshore Mining Ltd (TOML)**

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
<i>First-ranked candidates</i>			
1. Mahonilai Hakaumotu	Male	Tonga	SIDS
2. Hazel Oatasia	Female	Solomon Islands	LDC/SIDS
<i>Alternates</i>			
1. Fatafehi'o Lapaha A.F. Mafi	Female	Tonga	SIDS

#### **Nauru Ocean Resources Inc. (NORI)**

<i>Name</i>	<i>Gender</i>	<i>Country of origin</i>	<i>Country Classification</i>
<i>First-ranked candidates</i>			
1. Billston Misi	Male	Solomon Islands	LDC/SIDS
2. Caroline Tu'iha'angana	Female	Tonga	SIDS
<i>Alternates</i>			
1. Kalolaine Saipaia	Female	Tonga	SIDS
2. Jolie F.K. Leone	Female	Tonga	SIDS