



## Africa's Deep Seabed Resources Project:

# ***SECONDMENT TO THE ISA***



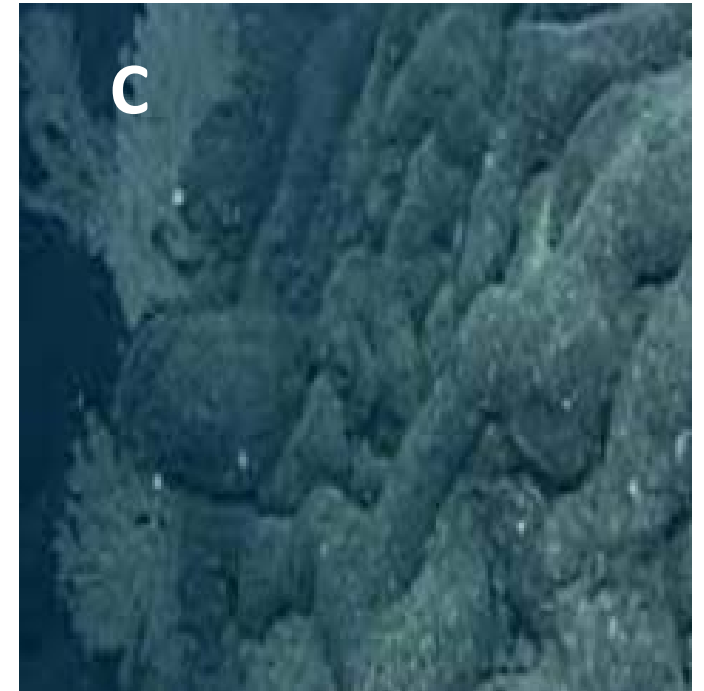
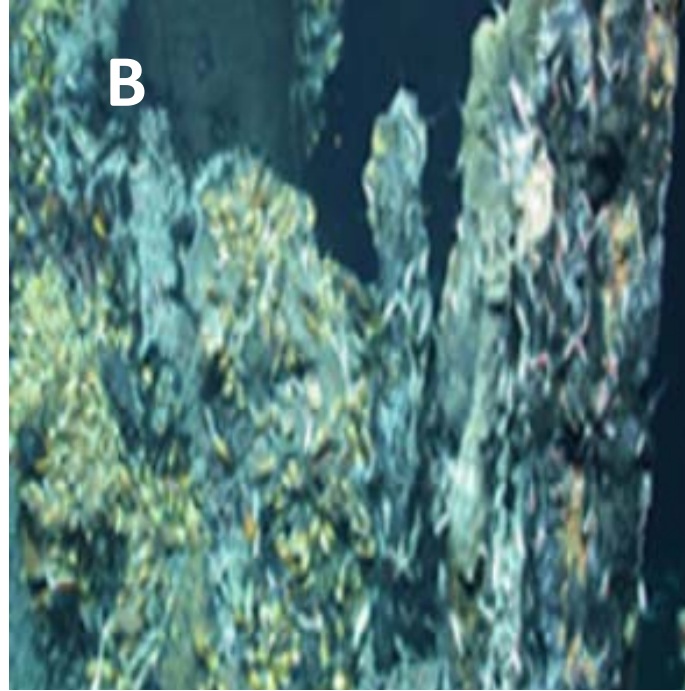
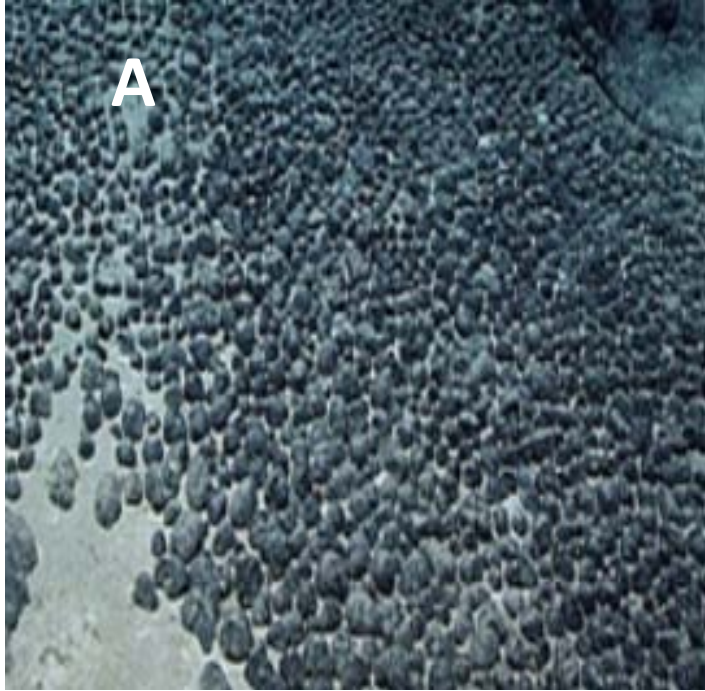
**GODWIN DIMIKE**  
**NATIONAL BOUNDARY COMMISSION**

# Outline

- *Introduction*
- *Deep seabed Exploration*
- *Benefit of Deep Seabed Mining*
- *The ADSR Project*
- *Experience with the ISA*
- *Nigeria's Involvement in DSM*
- *Takeaways*
- *Conclusion and Recommendations*

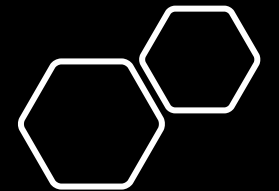
# Introduction

- UNCLOS states that the part of the ocean that is beyond National jurisdiction is called “the Area” and its resources is the “Common Heritage of Humankind.
- The ISA has awarded over 30 contracts for exploration in The Area, none of which are of African descent.
- What are the factors hindering Nigeria’s participation in the deep seabed area and how can we resolve them?
- The ADSR project was conceived at the 2017 UN Ocean Conference, for the *“Promotion of sustainable development of Africa’s deep seabed resources in support of Africa’s blue economy”*



## DEEP-SEA MINERALS

- A - POLYMETALLIC NODULES
- B – POLYMETALLIC SULPHIDES
- C- COBALT-RICH CRUST

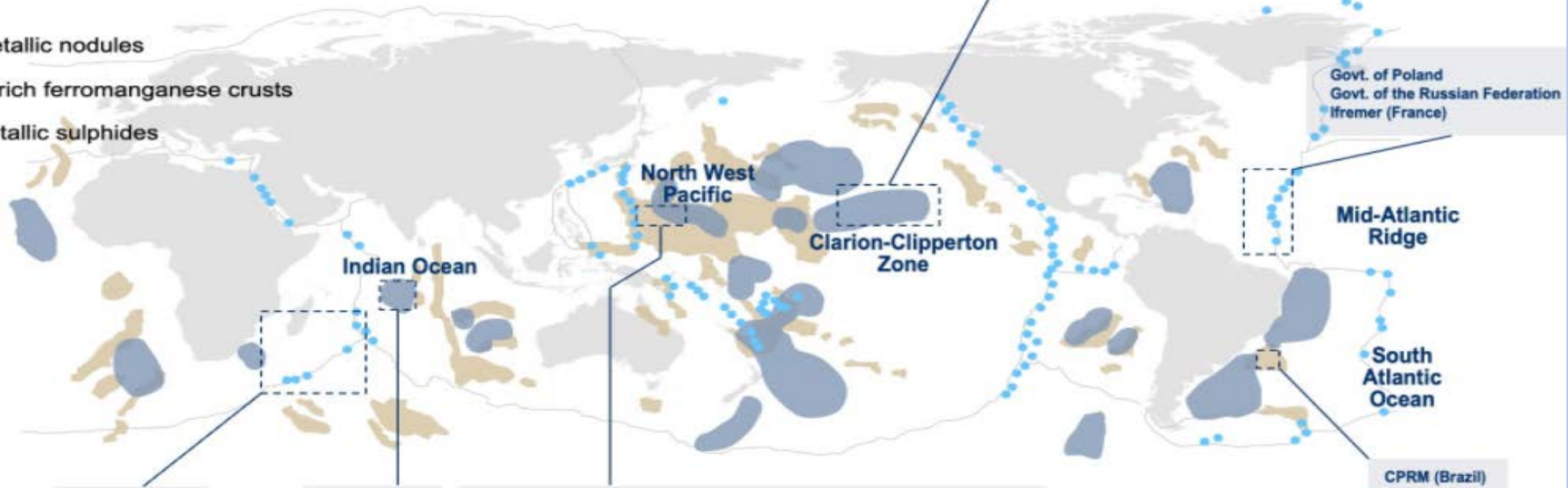


# Deep Seabed Exploration

## Exploration for minerals in the Area

- Polymetallic nodules
- Cobalt-rich ferromanganese crusts
- Polymetallic sulphides

- BGR (Germany)
  - BMJ (Jamaica)
  - CIIC (Cook Islands)
  - CMC (China)
  - COMRA (China)
  - DORD (Japan)
- GSR (Belgium)
  - Government of Korea
  - Ifremer (France)
  - IOM (Bulgaria, Czech Republic, Poland, Russian Federation, Slovakia)
  - Marawa (Kiribati)
- NORI (Nauru)
  - OMS (Singapore)
  - TOML (Tonga)
  - UKSRL (UK)
  - Yuzhmorgeologiya (Russian Federation)



BGR (Germany)  
Govt. of India  
Govt. of Korea  
COMRA (China)

Govt. of India

Beijing Pioneer Hi-Tech Development Corporation  
COMRA (China)  
Govt. of Korea  
JOGMEC (Japan)  
Ministry of Natural Resources and Environment of the Russian Federation

Govt. of Poland  
Govt. of the Russian Federation  
Ifremer (France)

CPRM (Brazil)

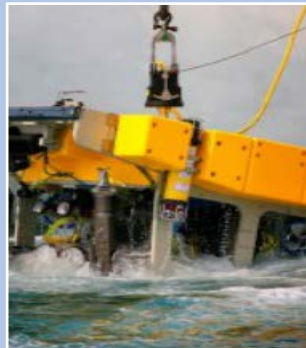
# Benefits of Deep Seabed Mining



Creation of jobs for locals



Production of household equipment and appliances



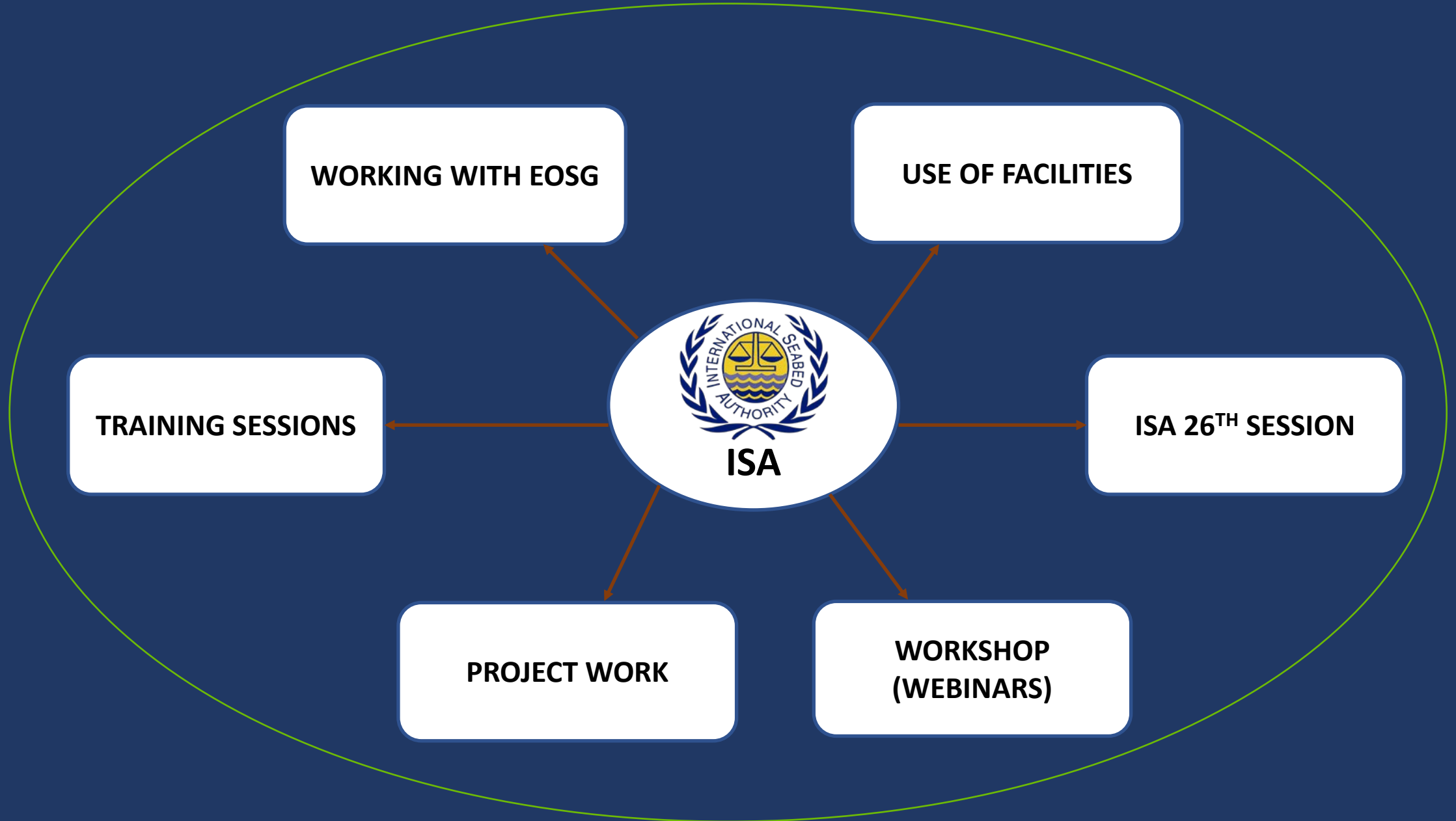
Technological advancements

# The ADSR Project



- **Create awareness**
- **Transfer of knowledge**
- **Build capacity**
- **Increase in participation**
- **Support Africa's Blue Economy**

# EXPERIENCE WITH THE ISA





# EXPERIENCE WITH THE ISA





# EXPERIENCE WITH ISA

---

# Nigeria's involvement in deep seabed exploration: Challenges and Prospective Remedies

*Prevalent and underlying challenges have undermined and derailed efforts in the International seabed regime. If unchecked, they could have a damaging effect on maritime development and the Blue Economy Agenda of the nation.*

- Lack of awareness
- Inadequate Modern Technologies
- Inadequate Technical Manpower
- Inadequate Scientific Research
- Incapacitated Maritime Institutions
- Unavailability of a Centralized Database
- Financial constraints.



# Prospective Remedies

## A. Strategic Partnership with the ISA



- ❖ Workshops and Seminars
- ❖ Policy Creation
- ❖ Transfer of Knowledge
- ❖ Capacity Building/Training
- ❖ Sensitization Exercises

# Prospective Remedies

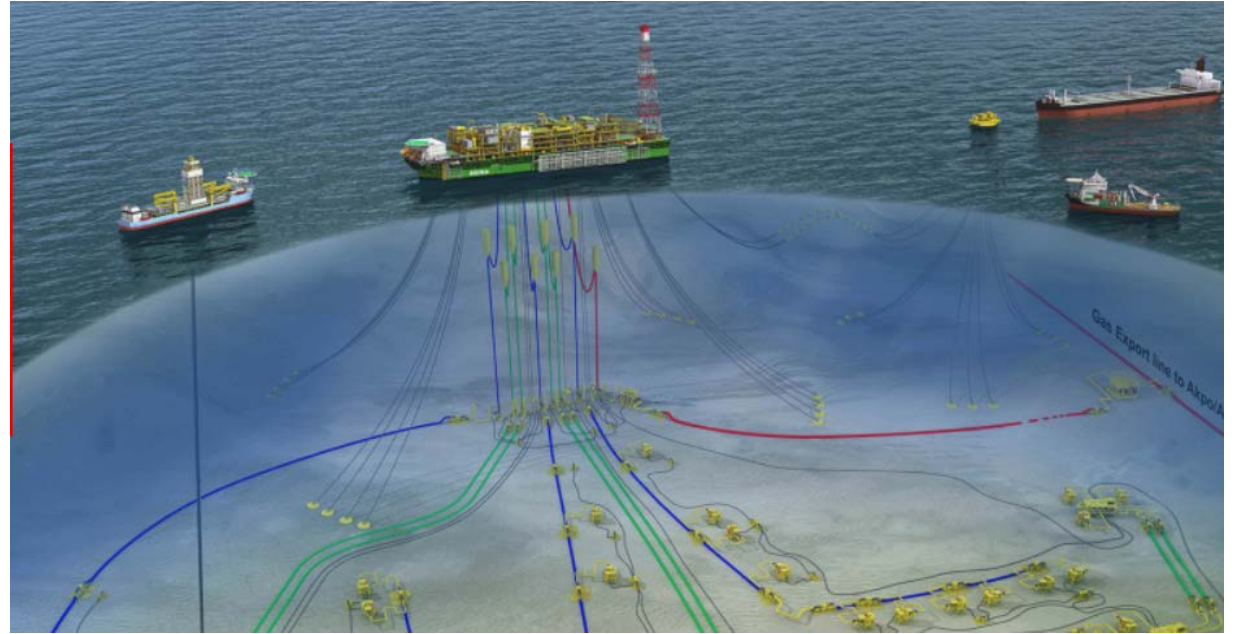


## B. INCREASED GOVERNMENT ACTION



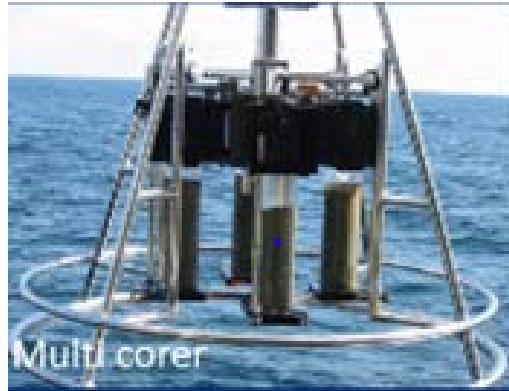
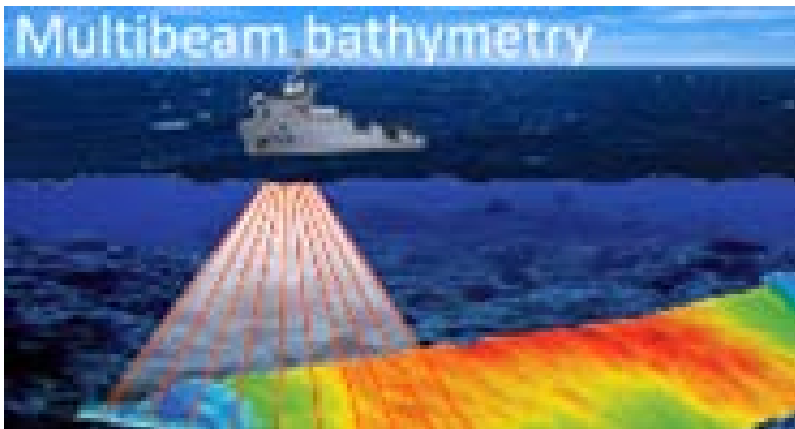
- ❖ **Research and Education**
- ❖ **Centralized Maritime database**
- ❖ **Revitalized Maritime Institutions**
- ❖ **Increased financial support**
- ❖ **Collaboration with offshore mining companies**

# THE EGINA OFFSHORE PROJECT





# THE USAN OFFSHORE PROJECT



# DATA COLLATED

- ✓ Sediment Data
- ✓ Biogeographic Data
- ✓ Oceanography Data
- ✓ Climate Data
- ✓ Physiographic Data,
- ✓ Etc.



# Capacity Building Opportunities



**Contractors Training Program**



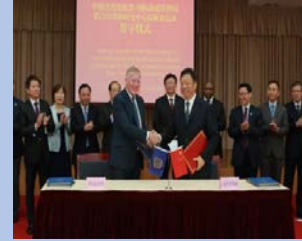
**Internships**



**Information Workshops**



**CAPACITY BUILDING**



**Joint Training Centre**



**Endowment Fund for MSR**



**ADSR Project**

# WORKSHOP AND SEMINAR



# TAKEAWAYS



- ✓ General knowledge of the deep seabed area
- ✓ Law of the sea
- ✓ Technical and Scientific knowledge
- ✓ Involvement in ISA commitments
- ✓ Future Developmental goals

“

*I think that the ADSR project is like a bridge between Africa and ISA, to bring us closer. It is a direct connection with Africa. This project is unique and innovative and unprecedented. I want to applaud ISA for bringing such an incredible project to life and making me one of the 10 experts from Africa. I have learnt a lot, which I will share with my organization and peers back home.*

**GODWIN DIMIKE**

Geologist, National Boundary Commission

## ADSR EXPERT 2021

- Country: Nigeria
- Education: MSc. in Applied Geophysics  
BSc. in Geology
- Languages: English, Igbo, and Yoruba
- Hobbies: Football, travelling, and exploring other cultures



**Norad**



**2021  
2030** United Nations Decade  
of Ocean Science  
for Sustainable Development

# Conclusion and Recommendations

- Prevalent issues such as inadequate modern technologies, inadequate marine scientific research, lack of awareness, etc., have undermined deep seabed exploration efforts in the country.

- 
- The Nigerian Government should partner with the ISA to develop a working model that is best suited for the country for the sustainable development of the marine area.

- 
- Nigeria should diversify its economy to include the exploitation of deep seabed minerals, as the future is leaning towards low carbon emissions important to limit the effects of climate change.

- 
- The ADSR Project should be extended so that more opportunities will be awarded to Africans to build the capacity and also improve the understanding of the deep seabed Area.



# Thank you for Listening

