



The Global Ocean Observing System

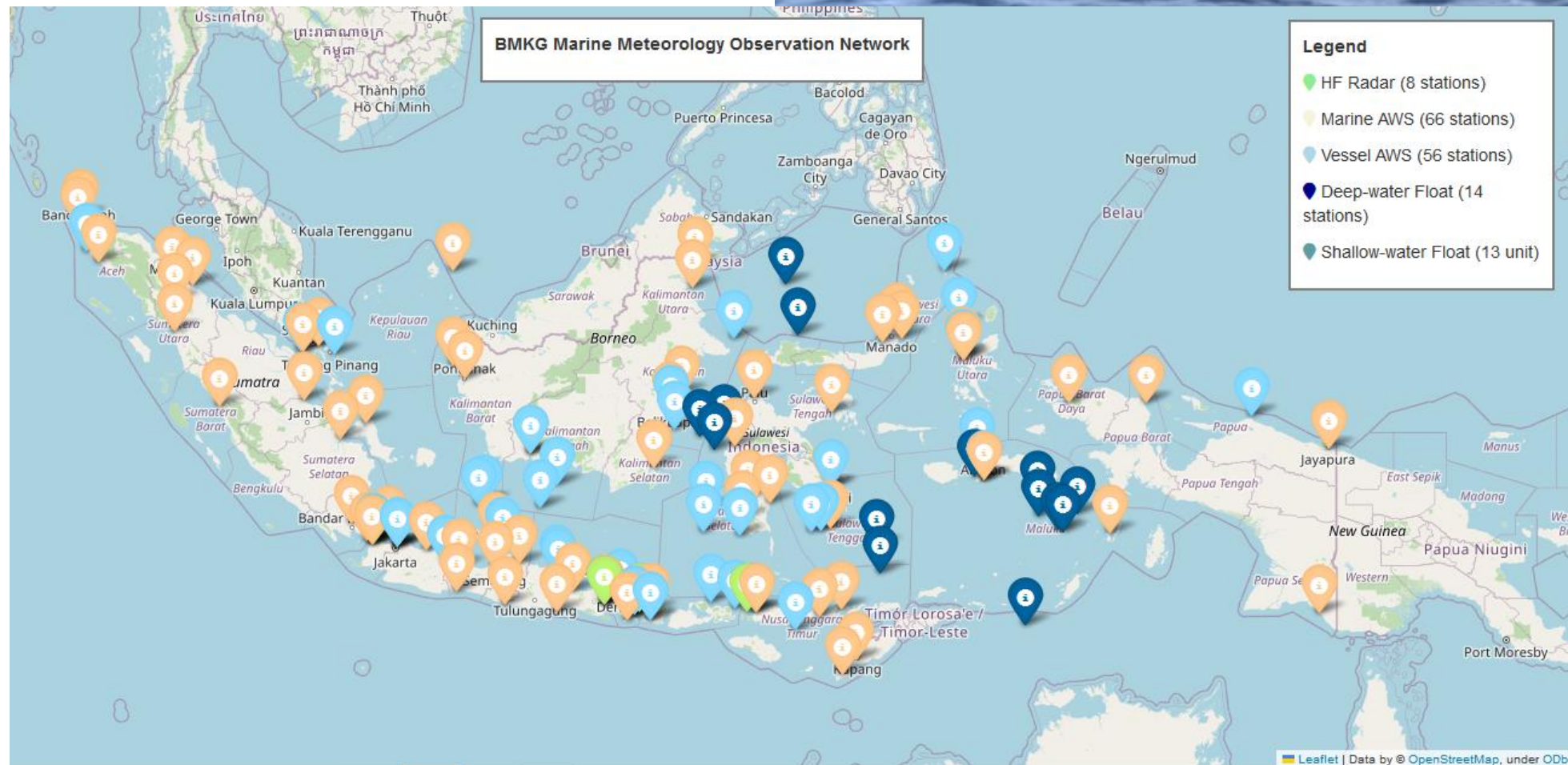
First GOOS National Focal Points (NFP) Forum Session : 2 Reflections on National observing system by NFPs 25 October 2023

Ocean Observing System-Report from Indonesia

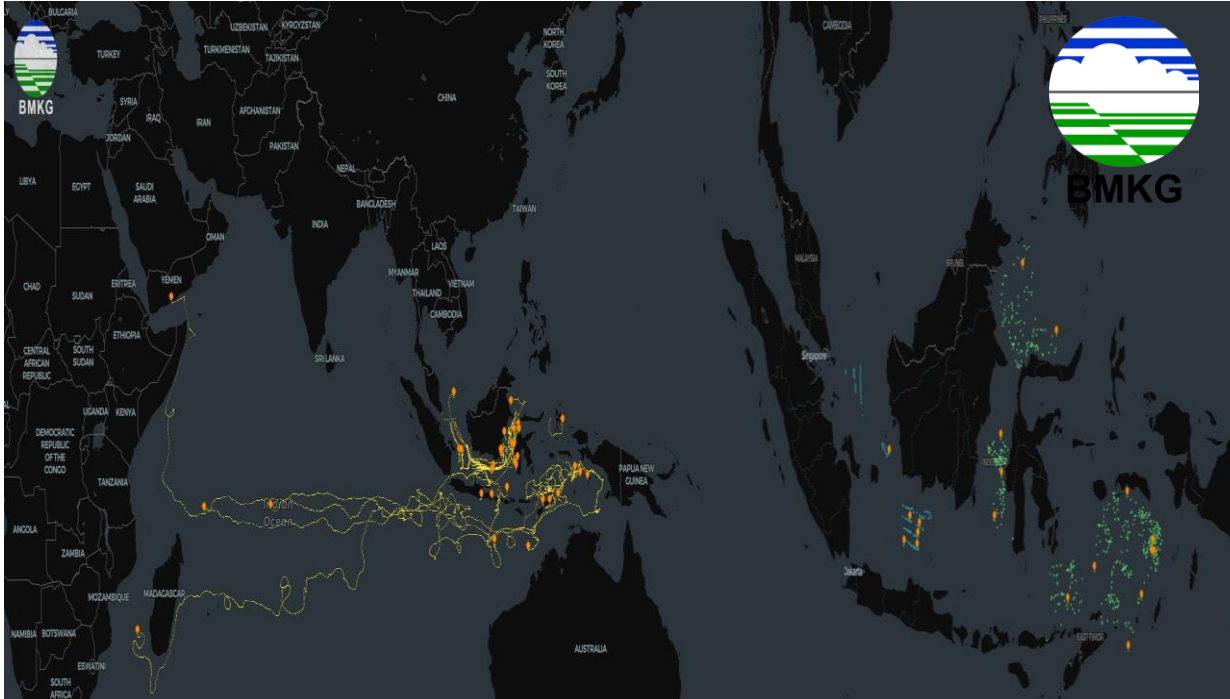
Nelly Florida Riama, Director of Education and Training Center
Indonesian Agency for Meteorology, Climatology, and Geophysics (BMKG)

Chair of Data Buoy Cooperation Panel (DBCP)

Current Status of the Met-Ocean Observation Network by BMKG



Drifters and Floats



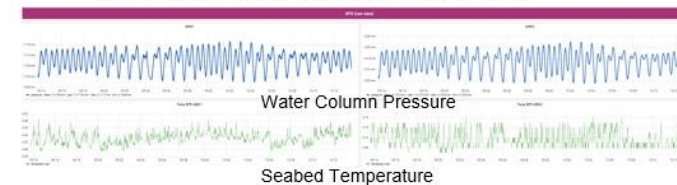
Total **drifters and floats** locations from the initial deployment in February 2022

Indonesian Cable-based Tsunameter

Current status of the National Ocean observing programme

Indonesian Cable-based Tsunameter (*InaCBT*)

- Operational since March 2022 for deep ocean research purposes
- Real-time display and download data :
 - seabed temperature @ 1 Hz,
 - Water column pressure @ 1Hz
 - 3D-seabed acceleration @ 125 Hz
- Under supervision of National Agency for Research and Inovation (BRIN)



CAPACITY DEVELOPMENT

OTGA@ OceanTeacher Global Academy Training Course

BMKG

Course information

Duration
10 working days (60 hours classroom sessions plus pre course preparation assignments)

Venue
Online distance learning

Trainers
DR. Andri Ramdhani (BMKG)
Ragus Prasmito (BMKG)
Iraya Edo Pratama (BMKG)
DR Farouq Al Fahmi (BMKG)

Ocean Forecast System
9-20 August 2021

8 – 20 August 2021

122 participants

14 Countries

OFS
2021

BMKG

TSUNAMI READY TRAINING COURSE
12 - 30 November 2021

OTGA@

Tsunami Ready Training Course
November 12 - 30, 2021

12 – 30 November 2021

94 participants

10 Countries

TR
2021

BMKG **PT** **UNIS** **BMKG Corporate University** **WORLD METEOROLOGICAL ORGANIZATION Regional Training Centre - Indonesia** **United Nations Educational, Scientific and Cultural Organization** **Intergovernmental Oceanographic Commission** **OceanTeacher GLOBAL ACADEMY Specialized Training Centre - Indonesia**

OCEAN TEACHER GLOBAL ACADEMY INDONESIA SPECIALIZED TRAINING CENTER

ONLINE TRAINING ON OCEAN FORECAST SYSTEM
Coastal Resilience and Disaster Risk
15 August - 2 September 2022

15 August to 3 Sept 2022

156 participants

20 Countries

OFS
2022

THE 2022 TSUNAMI COMMUNITY PREPAREDNESS TRAINING COURSE

BMKG **PT** **UNIS** **BMKG Corporate University** **WORLD METEOROLOGICAL ORGANIZATION Regional Training Centre - Indonesia** **OceanTeacher GLOBAL ACADEMY Specialized Training Centre - Indonesia**

TSUNAMI COMMUNITY PREPAREDNESS TRAINING COURSE 2022

4 – 18 December 2022

In Citeko and Banten

94 participants

10 Countries

TCP
2022

OTGA@

Ocean Model Configuration for Ocean Forecast System Implementation
OTGA - BMKG

ONLINE COURSES

Ocean Model Configuration for Ocean Forecast System (OFS) Implementation
26 June - 8 July 2023

16 June to 8 July 2023

148 participants

11 Countries

OFS
2023

BMKG **PT** **UNIS** **BMKG Corporate University** **OceanTeacher GLOBAL ACADEMY Specialized Training Centre - Indonesia** **WORLD METEOROLOGICAL ORGANIZATION Regional Training Centre - Indonesia** **OceanTeacher GLOBAL ACADEMY**

Weather Field School for Fishermen
11 - 29 Sept 2023

11 – 29 September 2023

47 participants

16 Countries

WFSF
2023

Future plans

Next 3-year work plan

Remarks 3-year work plan:

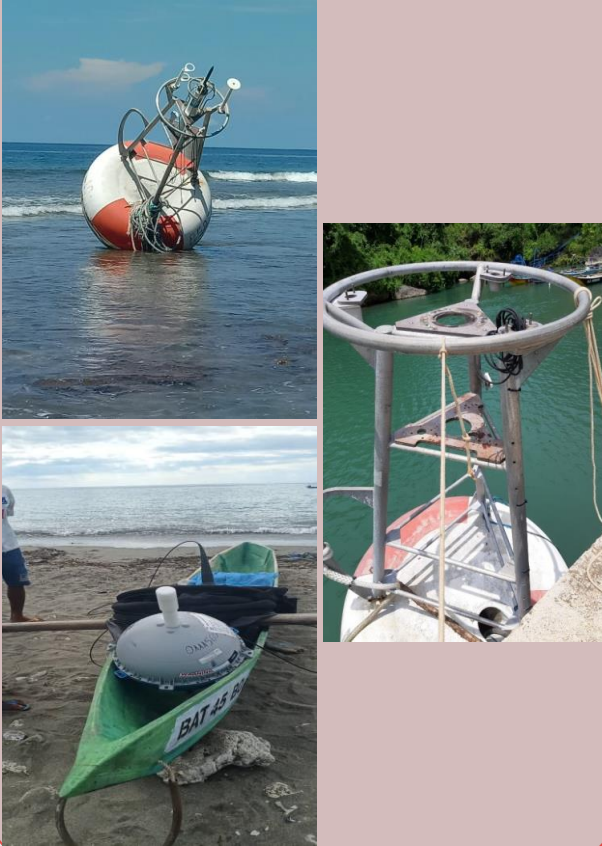
- Communicate national ocean parties to provide regular report of ocean observation
- Encourage data-sharing
- Embrace more observation deployment
- Ocean and marine STEM capacity building
- Ocean best practices on local communities



- Number and type of buoys :
 - **Floats**
: 60
 - **Drifter**
: 40
 - **Coastal Buoy**
: 10
 - **Subsurface Buoy**
: 8 (join research program)
 - **Surface Buoy**
: 2 (join research program)
 - **Surface Glider**
: 2
 - **Sub – Surface Glider**
: 3
 - **Wave Spotter**

People Awareness in Indonesia

Instrument Lost



Find and Save



Fisherman Field School



The Fishermen Field School, organized by BMKG, resulted in increased public awareness regarding the safeguarding of sensitive instruments at sea. As of September 2023, there are 4,378 participants in the Fishermen Field School conducted by BMKG



Reflections on the Role of NFP at the National Level

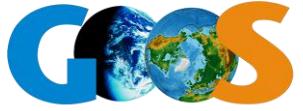
- Re-activate regular communication between ocean parties
- Redevelop the existing InaGOOS-NODC based on previous development
- Strengthen national connections related to ocean observing
- Establish a National Structure - Committee
- Need to have linkages with:
 - *GOOS Partners*
 - *Ocean Decade*



Support needed from GOOS

- Fosters collaboration and coordination among national focal points, facilitating information exchange and best practices sharing.
- Advocates the importance of ocean observation data, raising awareness of the value of such data for scientific research, policy development, and disaster management
- Assists national focal points in engaging with international ocean observation initiatives and collaborations





The Global Ocean Observing System

Thank you



unesco
Intergovernmental
Oceanographic
Commission



WORLD
METEOROLOGICAL
ORGANIZATION



UN
environment
programme

International
Science Council

