Update of AOSWA activities

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Asia-Oceania Space Weather Alliance (AOSWA)

- The Asia-Oceania Space Weather Alliance (AOSWA) established on 2010 for information exchange among Space Weather organizations in Asia and Oceania.
- Members: 27 organizations from 13 countries
- AOSWA workshop is held biannual years. The last one was hosted by UKM in Selangor, Malaysia in Oct. 9-12, 2023.

AOSWA-2023 @ Selangor, Malaysia hosted by UKM, Malaysia

AOSWA2023
Dates: Oct. 9-12, 2023
Venue: Bangi Resort, Selangor, Malaysia
No. Participants: 82 people
Participating countries: Australia, Cambodia, China, Fiji, Indonesia, Japan, Korea, Laos, Malaysia, Myanmar, Taiwan, Thailand, Philippines, Vietnam, US, EUMETSAT

Sessions in AOSWA 2023

1. Connect the Local Observation to Global Network
2. CGMS Efforts to Improve User Access to Operational Space Weather Data
3. Space Weather Awareness to the Community through Education
4. Application of Artificial Intelligence in Space Weather
5. Ionosphere-Thermosphere Dynamics and Coupling
6. Technique and Validation of space Weather Forecast
7. Space Weather Impacts
8. General Topics for Space Weather

Asia-Oceania Space Weather Activities Survey and Future Startegy Based on Needs

AOSWA 2023 special session: <u>Connect the Local Observation to Global Network</u>
Convener: Dr. Septi Perwitasari (NICT, Japan)
Co-convener: Dr. Shanzana Nurul (UKM, Malaysia)

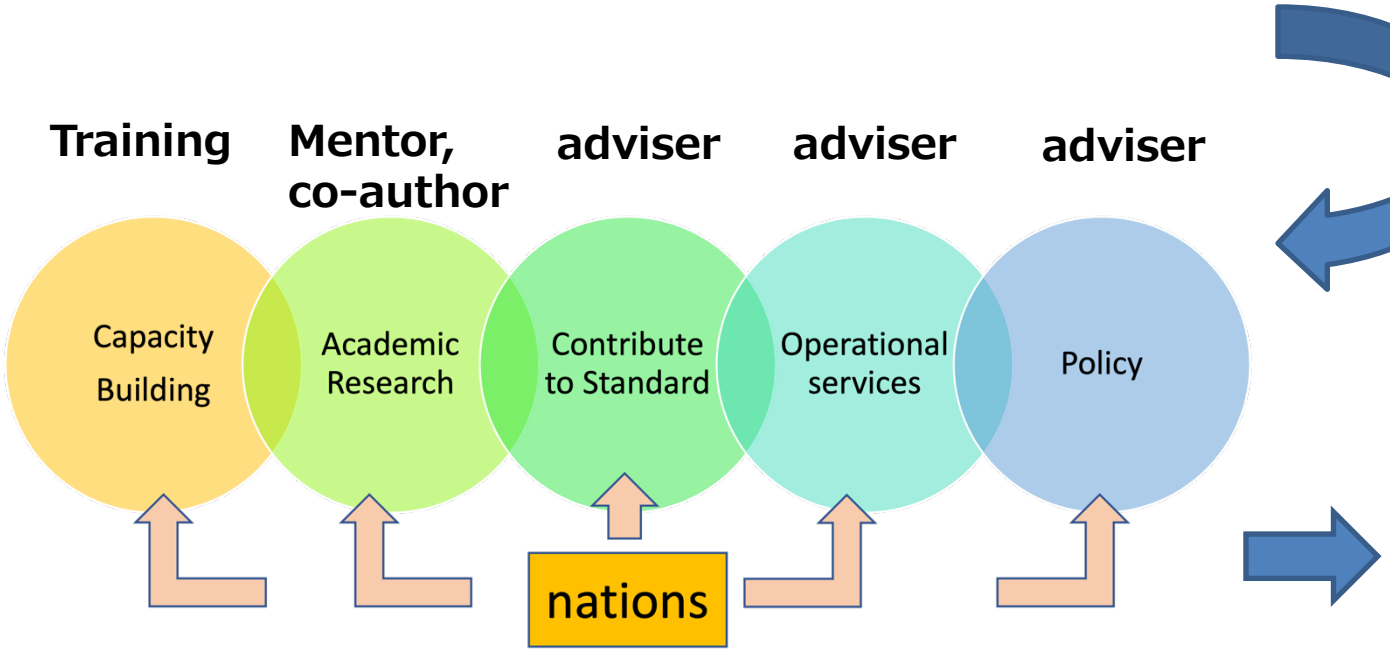
- **Survey to collect information on the local space weather research and observation (R&O) activities of AOSWA members**
- **Panel discussion**

AOSWA 2023
Asia-Oceania Space Weather Alliance
MALAYSIA

Connect Local Observation to Global Network Survey

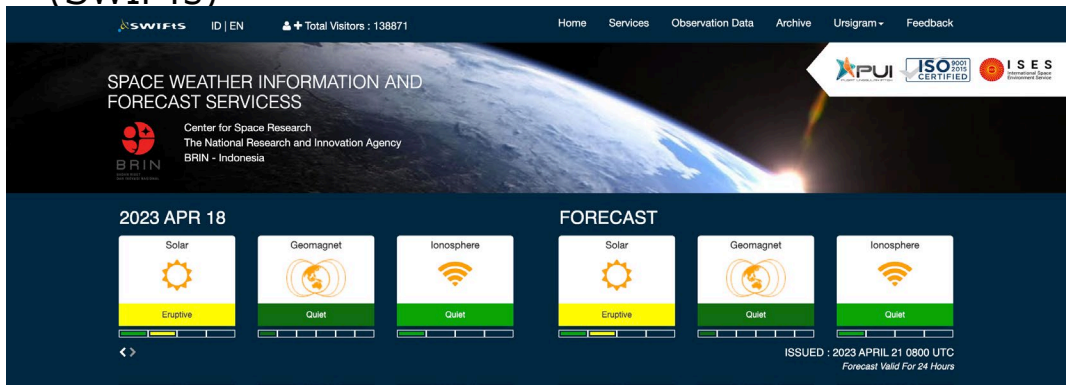
This survey aims to collect information on the local space weather research and observation (R&O) activities of AOSWA members. The result will be used to tailor the future strategy to help the development of space-weather R&O activities.

Explanation of each phase:
1. **Capacity building**: Training phase, e.g., Instrument installation, observation, data analysis training etc.
2. **Academic research**: Phase where space-weather research (data analysis, journal writing, etc) is underway.
3. **Operational Service**: Phase where a space weather-center has been established and operational service is conducted daily.
4. **Contribute to standardization**: Phase where you already have a contribution to the international standard, e.g., data format standard, protocol of services (ICAO, WMO). It is necessary to have quite enough experience in academic and operational space weather activity for contributing to standardization.
5. **Policy Making**: Policy making phase, e.g., space weather disaster management policy, etc.



Strategy to help developing countries tailored with their needs

<u>Success story</u>
Space Weather Service Center LAPAN/BRIN-Indonesia (SWIFTs)



<u>In the future, more countries will establish their space weather service!</u>

Space Weather Awareness to the Community through Education

- It is essential to equip people with the knowledge and skills necessary to understand the causes and potential impacts of space weather events and to develop strategies to mitigate their effects.
- To raise awareness about space weather in the community, it is important to provide educational resources to schools.
- An interactive exhibit, workshops or hands-on activities that engage students and members of the public in learning about space weather could be one of the methods.
- Under this topic, any other methods used to spread awareness of space weather effects to the community through education are welcomed.

AOSWA 2024!

- Now AOSWA Science Organization Committee started to prepare AOSWA 2024 hosted by GISTDA, Thailand.
- The dates and venue is to be determined as soon as possible, maybe later half of this year.