

# ADAPTATION & RESILIENCE WORKING GROUP

# Q1 2025

## NEWSLETTER

قجابت قراوبهن اقليم نكارا بروني دارالسلام

BRUNEI **CLIMATE CHANGE** OFFICE

## National Climate Vulnerability Assessment Engagement Sessions







***— 17 October 2024 to 22 March 2025, Bandar Seri Begawan, Brunei Darussalam***

The National Climate Vulnerability Assessment (NCVA) constitutes a comprehensive evaluation to identify Brunei Darussalam's vulnerability to the multifaceted impacts of climate change. This assessment encompasses 6 key sectors:

The engagement sessions facilitated a collaborative process, aimed at identifying vulnerability indicators relevant to each sector. Participants comprised of sector Co-Leads and representatives from associated agencies, all of whom serve as focal points within the Adaptation and Resilience Working Group (ARWG).

The preliminary vulnerability indicators identified during these engagement sessions will be refined and finalised during an upcoming Opportunity Framing workshop in April 2025.

## Workshop on Malaysia's Sustainable and Inclusive Climate Deliverables for ASEAN Chairmanship 2025



**— 21 January *2025* , *Kuala Lumpur, Malaysia***

The workshop aimed to stock take ASEAN Member States' interest in supporting Malaysia's proposed climate deliverables and determining the support needed for their ASEAN chairmanship this year. This necessitated the participation of key stakeholders, including the Brunei Climate Change Office on behalf of Brunei Darussalam.

The Brunei delegation included YM Ahmad Zaiemaddien bin Pehin Datu Lailaraja Mejar Jeneral (B) Dato Paduka Seri Haji Awang Halbi, Head of BCCO, who served as a negotiator from the AWGCC National Focal Point; YM Mohammad Zulfadhli bin Haji Mahri, Head of the Adaptation and Resilience Unit, who served as the lead negotiator for both Adaptation and Loss and Damage (L&D); and YM Sufina Raihani binti Mohd Salleh, representative for Carbon Pricing and Article 6 of the Paris Agreement Mechanism.

This participation underscores Brunei's commitment to actively engage in regional climate action and its ability to contribute substantively to the development of ASEAN's climate agenda.

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BRUNEI **CLIMATE CHANGE** OFFICE

## Workshop on Satellite Mapping and AI-Driven Integrated Data Networks by Earth Sight International




*Photo credit goes to ASTARI, Poni Group.*

***— 23 January 2025, Bandar Seri Begawan, Brunei***

ASTARI of Poni Group extended an invitation to Brunei Climate Change Office to attend a workshop, featuring an expert on satellite data analysis. The workshop demonstrated how satellite data, combined with Artificial Intelligence (AI), can be used for various applications. These include:



**Disaster Management**

Forecasting and mitigating bush fires and floods.



**Environmental Monitoring**

Assessing crop health, forest quality, ocean conditions, and detecting oil spills.



**Resource Management**

Planning for agriculture, forestry, and resource development.



**First Response**

Utilizing software for improved communication with on-the-ground responders.

The workshop provided valuable insights into the potential of satellite data and AI for Brunei's National Adaptation Plan (NAP) and NCVA.

## UAE-Belém work programme on indicators




***— 21 to 22 March 2025 , Bonn, Germany (Hybrid)***

The Adaptation and Resilience Unit, Brunei Climate Change Office attended a hybrid workshop under the UAE-Belém work programme on indicators, organised by the United Nations Framework Convention on Climate Change (UNFCCC).

The objective of the workshop is to discuss experts' progress on identifying indicators and methodologies for measuring the targets in the UAE Framework on Global Climate Resilience, as follows:




Outcome from the workshop provided some considerations that are relevant to Brunei's NAP and NCVA such as data availability and readiness, appropriateness of methodology, and the intricacy of enabling adaptation strategies and Means of Implementation such as Finance, Technology and Capacity Building.

# CALLING FOR PROPOSALS

## National Adaptation Plan under *Rancangan Kemajuan Negara-12* (RKN-12)

Given the increasing incidences of climate-related events such as forest fires and flooding, facilitating integration for the implementation of climate change adaptation efforts through whole-of-government and whole-of-nation approaches will be key to safeguard Brunei Darussalam's people, livelihood, economy, environment and ultimately, its future.



Recognizing this, BND$1 million was granted under RKN-12 to develop the National Adaptation Plan from the period 2024 - 2029.

The objective is to:

1. Enhance Brunei Darussalam's adaptive capacity;
2. Strengthen Brunei Darussalam's resilience to climate change impacts; and
3. Reduce Brunei Darussalam's vulnerability to climate change.

The Brunei Climate Change Office extends an invitation to all ARWG members to submit a project proposal which is relevant to their respective sectors and may aid in their adaptation efforts.

**Deadline:** 30 April 2025

More details can be accessed through this **link.**

## RKN Project Proposal Checklist

### General Information

- What's the project's background information?
- What's the project's aim(s)?
- What's the project's objective(s)?
- Do the project's aim(s) & objective(s) meet the NAP 's development objective, and elaborate how.

### Scope of Work

- What's the project's scope of work?
- How long is the project duration, including timeline?
- What's the project's deliverable(s)?
- What's the project's milestone(s)?

### Budget & Resources

- What are the resources required?
- What's the estimated cost, including cost breakdown?
- Are there any anticipated risks, and how can they be minimised/removed?

### Post-Project Support & Maintenance

- Is there a post-project support/maintenance plan? If yes, is it allocated inside the project budget?

# WORLD WATER DAY 2025

JABATAN KERJA RAYA
KEMENTERIAN PEMBANGUNAN
NEGARA BRUNEI DARUSSALAM

March 22, 2025



## Be responsible, Conserve water usage, Avoid wastage

On March 22nd each year, Brunei celebrates World Water Day, a moment to recognize the indispensable role of clean water and to raise public awareness concerning water supply issues.

This occasion also serves to mobilize global action towards resolving the pressing water crisis. This year's theme, '**Glacier Preservation**,' emphasizes the imperative of safeguarding these crucial water resources.

*All photo credit goes to Department of Water Services, Public Works Department, Ministry of Development*

## Highlights

Climate Change Information;
Role of Societies;
Water Conservation;

Initiatives of the Department Water Services



Please find the link to read more from Pelita Brunei

جابتن كاجي چواچا بروني دارالسلام

BDMD
Brunei Darussalam Meteorological Department

# EARLY CLIMATE ADVISORY

Issue No. 01/2025, 08 February 2025

## EL NIÑO SOUTHERN OSCILLATION (ENSO)

is a recurring climate pattern involving changes in SSTs, low level winds, cloudiness, and sub-surface temperatures in the central and eastern tropical Pacific Ocean. ENSO has 3 phases, of which El Niño and La Niña are the extreme phases of the cycle; and between these two phases is the ENSO-neutral phase. ENSO is one of the most important climate phenomena which influences the temperature and precipitation across the globe.

## SEASONAL RAINFALL OUTLOOK

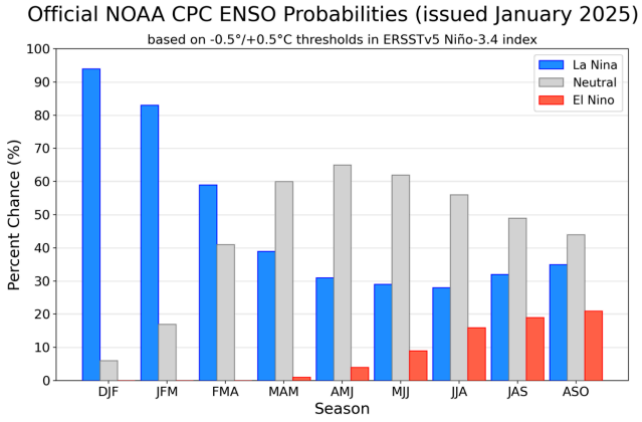
| | |
|---|---|
| **FEB 2025** | Above Normal<br>≥ 220 mm |
| **MAR 2025** | Above Normal<br>≥ 200 mm |
| **APR 2025** | Normal<br>190 - 290 mm |
| **MAY 2025** | Slightly Below Normal<br>160 - 210 mm |
| **JUN 2025** | Normal<br>190 - 290 mm |

## ENSO STATUS

**La Niña conditions are currently observed**, with sea surface temperatures (SSTs) in the central and east-central Pacific Ocean cooler than average. Known as the 'cold phase' of the ENSO cycle, La Niña typically occurs every 2 to 7 years and often peaks during the Northern Hemisphere winter (December to February).

## ENSO OUTLOOK

Most international models suggest that La Niña will persist through February-April 2025 (59% chance) before transitioning to ENSO-neutral during March-May (60% chance).




## IMPACT OF LA NIÑA IN BRUNEI

1 **More rainfall**

La Niña tends to enhance convective activity, leading to increased formation of clouds and higher rainfall. Wetter-than-normal conditions are expected, particularly during the Northeast Monsoon period.

2 **Stronger Monsoon & Prolonged Rainy Season**

Northeast Monsoon tends to be strong and longer-lasting, leading to more frequent and prolonged wet spells. Stronger monsoonal winds can cause rough sea conditions.

3 **Other related risks**

Active weather conditions increase the risk of flash floods, river flooding, and landslides. Excessive rainfall may cause crop damage and damage to infrastructure.


**Issued by:**
Climate Services & Climate Change Section
Brunei Darussalam Meteorological Department (BDMD)



*BDMD/MSCD/CSCC/FORM/123(00-2024-08-05)*

# ADAPTATION & RESILIENCE WORKING GROUP




***Selamat Hari Raya to all ARWG members and***
***may this Syawal month bring peace, prosperity and happiness.***