



International Cooperation and Collaboration

Adapting to Climate Change

Climate Change Adaptation Office
Global Environment Bureau
Ministry of the Environment, Japan (MOEJ)



Support for Developing Countries in APAC

Asia-Pacific Adaptation Information Platform (AP-PLAT)



- Through bilateral and multilateral support, providing scientific knowledge including impact forecast, and tools necessary for adaptation actions to countries in APAC.
- Implementing appropriate and effective adaptation supports in collaboration with partner countries and institutions.



Bilateral Cooperation

● Impact Assessment and Adaptation Promotion Project (Facilitating impact assessment and adaptation actions)

① Conduct needs assessments, climate change impact assessments, and human resource development for adaptation planning under bilateral cooperation

Target countries: Indonesia, the Philippines, Mongolia, Pacific Small Islands Developing States (Fiji, Vanuatu, Samoa), Thailand, Vietnam
 Implementation framework: Establishing consortiums consisting of research institutes, consultants and others in each country.

Indonesia

Mongolia

SIDS

Philippines

Thailand

Vietnam

Multilateral Cooperation

● Contribution to the Global Adaptation Network and other network and institute

② Capacity building on climate change impact assessment and adaptation planning

Global Adaptation Network (GAN)

Knowledge-sharing network on global adaptation established by UNEP.



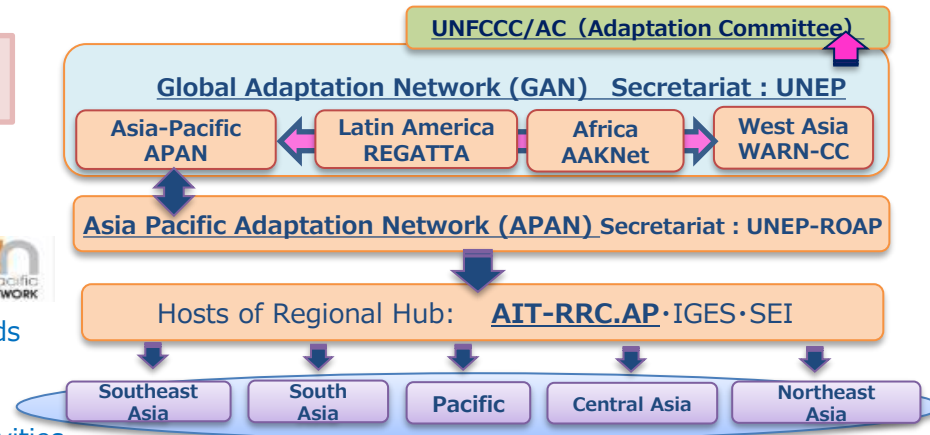
Asia Pacific Adaptation Network (APAN)

GAN's Asia-Pacific version of the network, contributing to identifying adaptation needs and capacity building.



Asian Institute of Technology (AIT-RRC.AP)

As a regional partner of APAN, practicing various capacity-building trainings and activities.



Asia-Pacific Climate Change Adaptation Information Platform (AP-PLAT)



AP-PLAT is the website providing the latest scientific climate risk information and supporting adaptation planning and project formulation in collaboration with partner countries and organizations.

History

- The Climate Change Adaptation Act enacted in 2018 stipulates that Japanese government should internationally promote information sharing on climate change adaptation.
- AP-PLAT was established in June 2019 during the G20 Environment Ministers Meeting



Three Core Pillars of actions in cooperation with the Partners

1. Develop scientific knowledge/information
2. Showcase supportive tools for adaptation
3. Capacity Building on adaptation planning and project formulation

Providing climate and impact forecast data



ClimoKit

Scientific findings

- Developing climate risk data, collecting, sorting-out, analyzing and providing existing information

Developing e-learning materials



Visualizing climate risk information



ClimoCast

- Developing support tool kits for adaptation planning and adaptation actions
- Sharing good practices and guidelines

Tools

- Improving capability relating to impact assessment, information management and adaptation action
- Matching scientific data with business needs

Capacity building



CMIP6 Climate Viewer and Downloader: ClimoCast



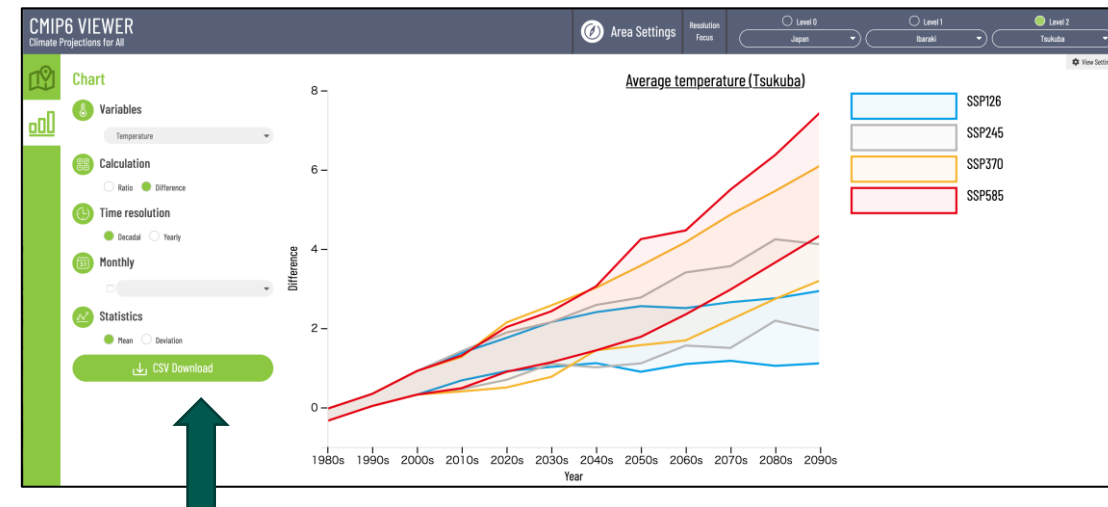
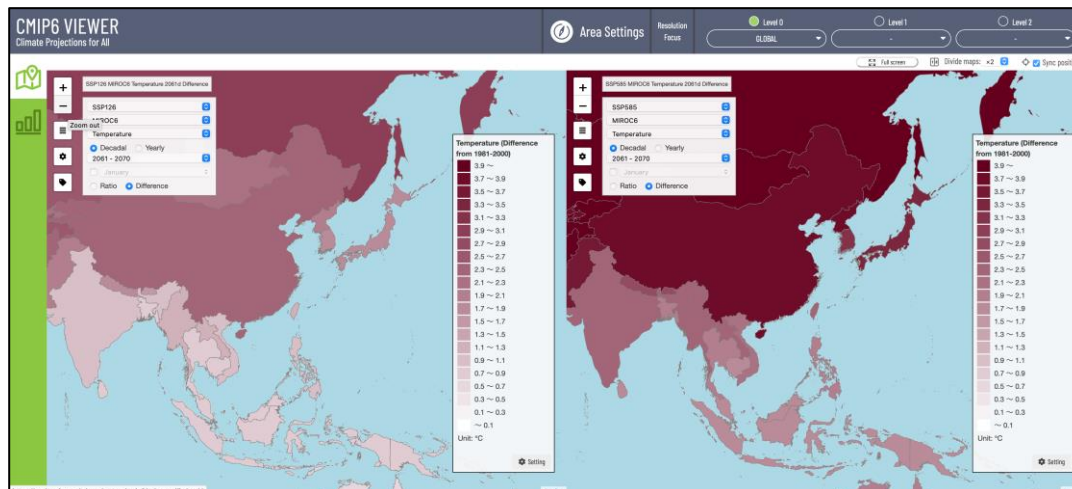
- Main concept: **Climate Projections for ALL**
 - We deliver latest climate projections to **everyone**.
- Sub concept: **Quick and easy access**
 - **By using ClimoCast**, you can climate projections the fastest and easiest.

Map mode

You can geographically compare future climates between climate scenarios (10 GCMs and 4 SSPs)

Time series mode

You can compare future climate changes over time between climate scenarios (10 GCMs and 4 SSPs)

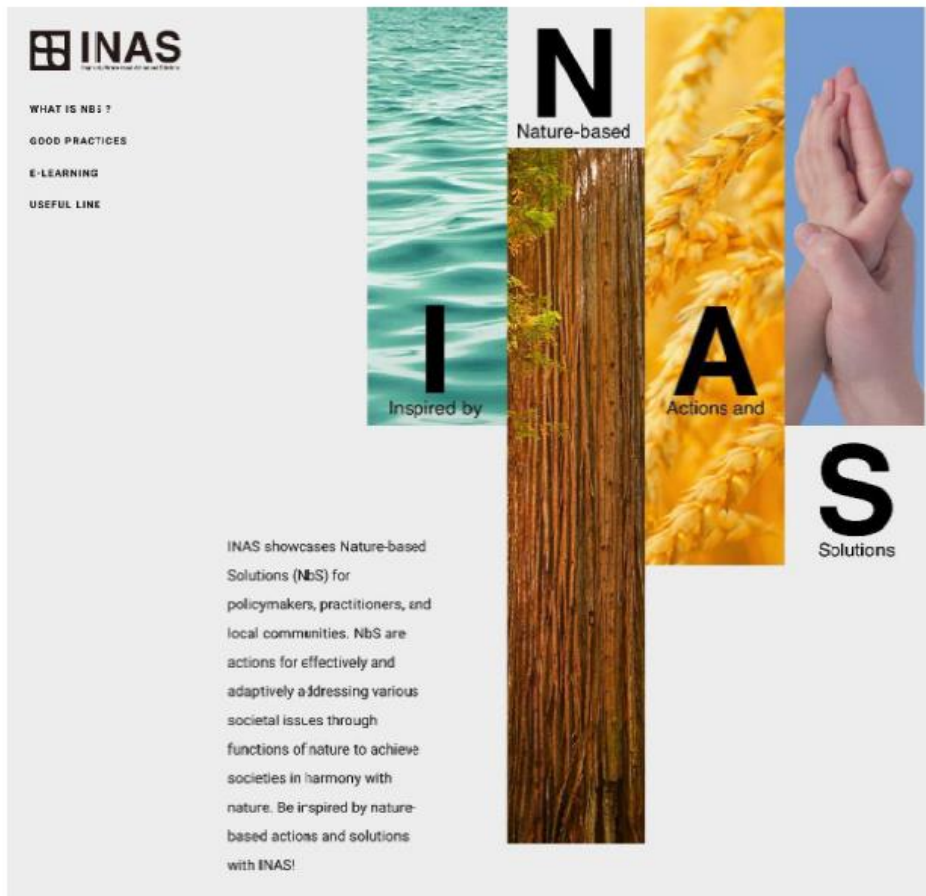


You can download data in CSV format by one click

NbS Website and E-learning Course



Case in **Sado City, Japan** which re-established its rice brand by promoting environmentally-friendly farming with rice certification and boosting the island's economy



INAS
The Institute of Nature-based Solutions

WHAT IS NbS ?
GOOD PRACTICES
E-LEARNING
USEFUL LINE

N
Nature-based

I
Inspired by

A
Actions and

S
Solutions

INAS showcases Nature-based Solutions (NbS) for policymakers, practitioners, and local communities. NbS are actions for effectively and adaptively addressing various societal issues through functions of nature to achieve societies in harmony with nature. Be inspired by nature-based actions and solutions with INAS!



E-Learning course: Nature-based Solutions for the Local Communities

How to use and finance
Nature based Solutions

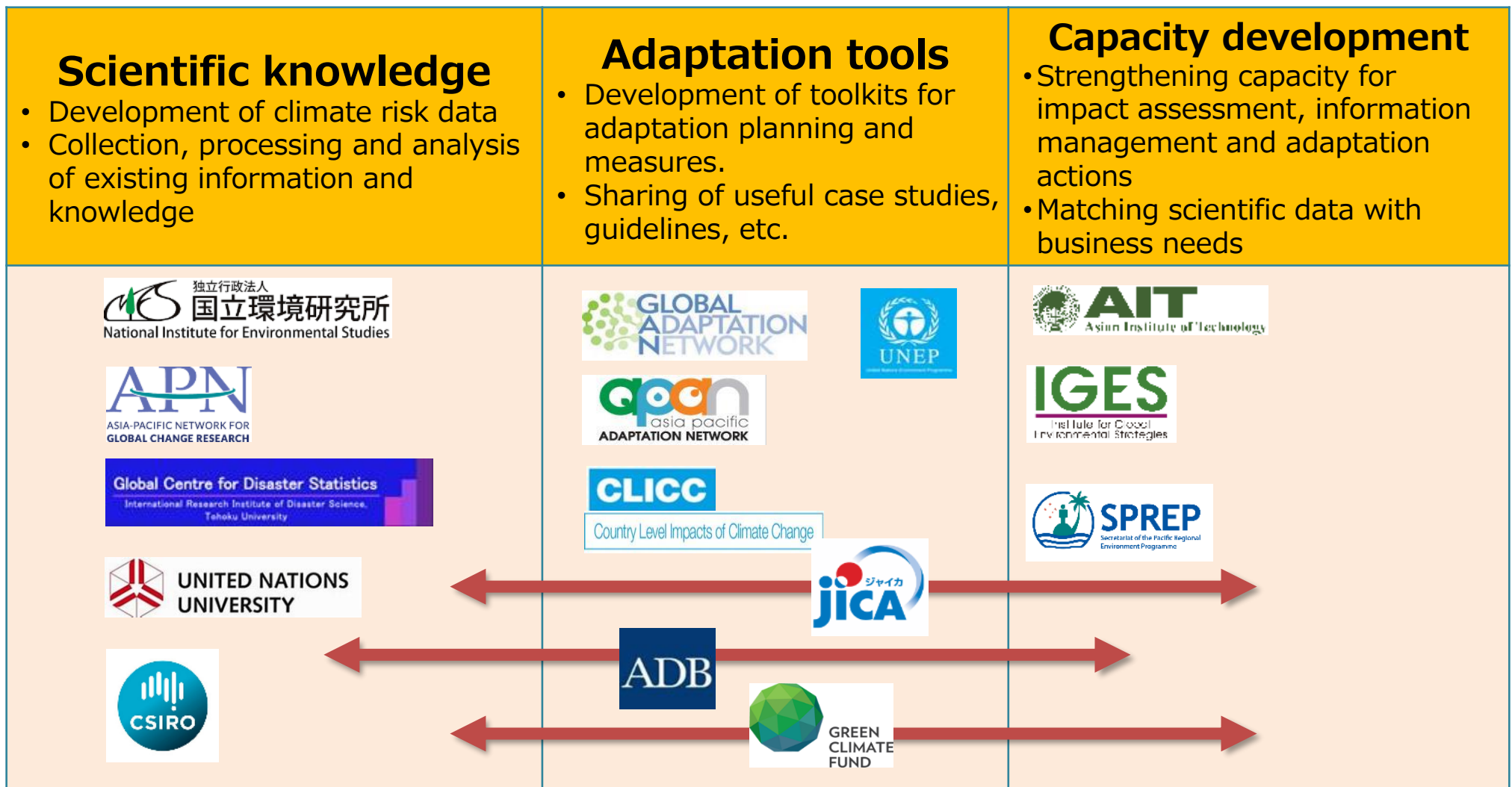
Sado
Case study

<https://ap-plat.nies.go.jp/inas/>

Partners Institutions of AP-PLAT



AP-PLAT conducts activities in collaboration with 8 countries in the region and many partner institutions



MOEJ's Initiative to Promote the Development of Early Warning Systems through Public-Private Partnerships in the Asia-Pacific Region (announced at COP27)



Background

- The **UN** announced, "Within the next five years, **everyone on Earth** should be protected by EWS (Early Warning Systems)" (2022.3)
- Recently, the **private sector** has joined the movement to develop **EWS** and **climate-information solutions** for corporate **supply chains**.
- the World Economic Forum released a briefing paper on **business action** for adaptation at COP27.

Overview of the Initiative

- **Ministry of the Environment of Japan** is planning to establish a **new and additional** cooperative structure for **Japanese companies interested in developing EWS** and will support **consultations** with developing country governments and **cooperation** through G7.
- MOEJ promotes to develop **EWS** and **projects using EWS (e.g., insurance)** by Japanese companies in **the Asia-Pacific** region.

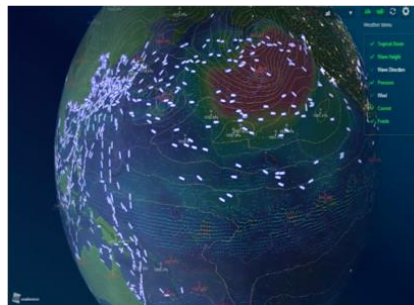
■ EWS development by private sector



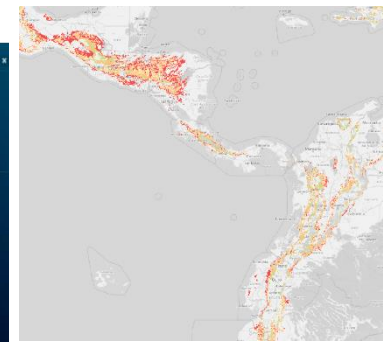
■ Climate Information Solutions

(Climate Information Service)

(Weather Derivatives/Insurance)



• Recommendation of the best route for vessels



• Support for procurement through yield risk assessment

Examples of insurance goods provided by an **insurance company**:

1. Sugar Refining (Thailand)
Yield and production decrease due to rainfall and high temp.
2. Mining (South Africa)
Suspension of operations due to cyclone
3. Vehicle Dispatch (Singapore)
Decrease in sales due to rainfall

Weathernews Inc.: Plans to install small radars in Vietnam. Targets 50 locations by 2024 in Indonesia, Japan, and other Asian countries.

Multilateral Cooperation (GAN, APAN)

Global Adaptation Network (GAN)

Object Global adaptation knowledge sharing and its accumulation and output to UNFCCC

Activity

■ Collaboration with UNFCCC, LAKI

Under the Lima Adaptation Knowledge Initiative (LAKI), workshops were held in Pacific island countries, Middle East and North Africa (MENA) subregions with the focus of identifying and resolve knowledge gaps.

■ University-city linkage

Promoting collaborations between cities vulnerable to climate change and universities with scientific expertise. Jointly held workshops with relevant organizations (EPIC) in Asia.

■ Global Adaptation Podcast

Producing and providing podcasts that introduce the latest trends including solutions to adaptation issues and adaptation technologies.

■ Providing Online Courses

Developing and providing online courses on NbS, EbA and building resilience in collaboration with UNEP and UN related agencies.

Asia-Pacific Adaptation Network (APAN)

Object Adaptation knowledge sharing and its accumulation in the Asia-Pacific region

Activity

■ APAN Forum

The biennial conference where international organizations, governments, NGOs, companies and researchers gather to share their knowledge. It is one of the largest meetings in relevant adaptation conferences in APAC.

■ APAN Webinar

Promoting knowledge sharing in the region and deepening understanding and discussion of the latest trends and issues on adaptation.

■ Information sharing

Promoting access to necessary information through distribution and sharing knowledge, guidance and tools for adaptation professionals on the APAN portal site and by newsletters



Information collection and dissemination from the related organizations through the APAN portal site



8TH ASIA-PACIFIC



CLIMATE CHANGE ADAPTATION FORUM

Resilience for all: Enabling transformative implementation

30 August - 1 September 2023

Songdo Convensia Convention Center, Incheon City, Republic of Korea

Target Participants



Multilateral and regional organisations



Government agencies (e.g. environment, planning and finance ministries)



Academia



Engineering and other professional associations



Donor and financing institutions



Relevant private sector and business



Non-governmental organisations



Media



Youth and community-based practitioners

