

Introduction to A-PLAT & AP-PLAT

KE4CAP EU-Japan BKE Event
#2: 'Exploring the Potential for Linking International and
National Platforms in the Asia-Pacific Region'

30 June 2021 @ ZOOM

Kazutaka Oka
Center for Climate Change Adaption
Climate Change Adaptation Strategy Research Section



1. Center for Climate Change Adaptation/NIES

■ 1 December 2018

- Enforcement of Climate Change Adaptation Act
- Establishment of Center for Climate Change Adaptation



Role of Center for Climate Change Adaptation

- ◆ Research & promote adaptation e.g., collaborate with national research institutes
- ◆ Collect, analyze & provide information related to impact/adaptation to share them among relevant organizations, business sectors and citizens (information hub : **A-PLAT** ※launched in Aug. 2016)
- ◆ Collaborate with Local Climate Change Adaptation Centers
- ◆ Provide technical advice & assistance for local government in adaptation promotion
- ◆ Support adaptation measures with capacity development & outreach
- ◆ Contribute to Asia-Pacific and other countries (**AP-PLAT** ※officially launched in June 2019)

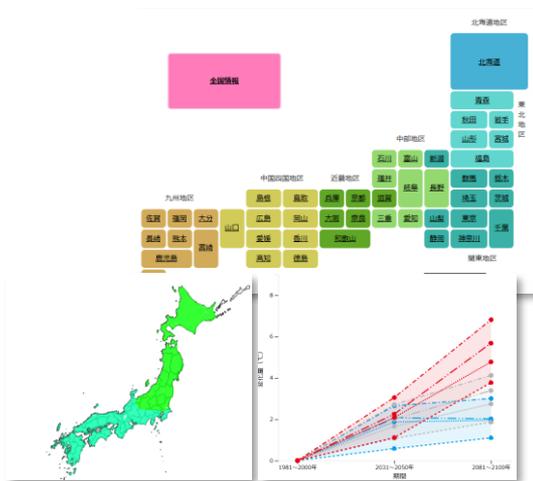


2. Climate Change Adaptation Information Platform (A-PLAT)

- Develop A-PLAT in Aug. 2016 as a core to promote basic strategies in NAP (Cabinet decision in Nov. 2015) (operator: NIES).
- As an information hub to support **local government, business sector & citizen** and other actors in adaptation action by providing information according needs of users; developing tools that assist adaptation action; and collecting, analyzing and classifying good practices.



Key contents of the portal site “Climate Change Information Adaptation Platform”



Introduce National Adaptation Plan, Research result etc.



Information useful to develop & implement adaptation plans



Cases of “Climate risk management” & “Adaptation business” by companies



Introduce basic knowledge related to adaptation etc.



Scientific information (climate/impact assessment) presented to the public

2. Climate Change Adaptation Information Platform (A-PLAT)

Scientific information (Climate/Impact assessment)

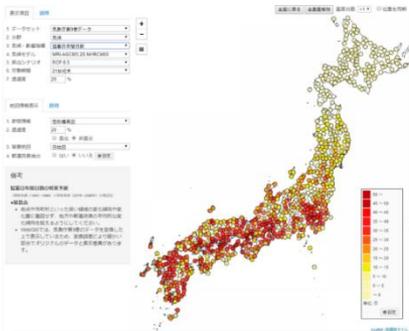
① Climate/weather observation data



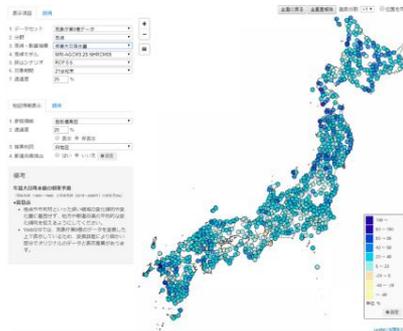
4 indicators are shown

② Climate projection data

● Number of extremely hot day



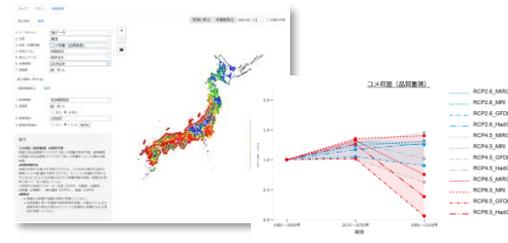
● Annual max. precipitation per day



18 indicators are shown

③ Impact assessment data

● Rice yielding (focus on quality)



● Potential area for beech



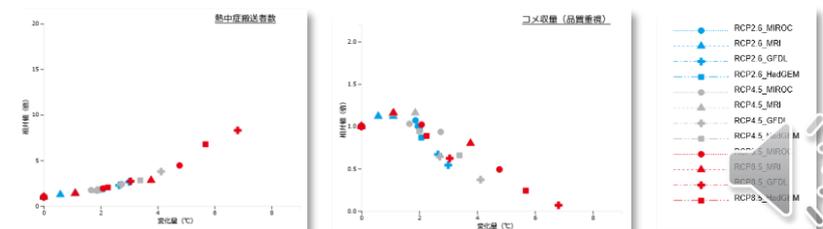
● Rate of beach loss



16 indicators, More will be added

Improve according to user needs

For TCFD scenario analysis, graphs describing impact amount with 'temperature' on horizontal axis were added.



2. Climate Change Adaptation Information Platform (A-PLAT)

■ Adaptation at local level

- Information for developing/revising local adaptation plans (Manual etc.)
- Introduction of cases in region
- Information for enlightenment etc.



みんなの“適応”経験談を紹介
取り組み事例インタビュー

地域の担当者へのインタビューを、地域の適応計画や適応策、地域適応センターのカテゴリ別に紹介しています。

地域適応策

どのような気候変動影響がいつどの程度現れるのか、またどのような対策（適応策）が必要なかは地域により異なります。ここでは、影響把握、適応策検討、適応策実施の先行事例、現在提案されている適応策の詳細をまとめた資料をご覧いただけます。

適応データベース
インタビュー（適応策）

気候変動適応地域協議会
地域適応コンソーシアム事業（伊）

Introduction of local cases



Teaching material for enlightenment

■ Adaptation in business

- Information & material informing adaptation activity
- Introduction of adaptation in business sector (climate risk management, adaptation business, TCFD) etc.



事業者の適応

Next Business with A-PLAT

取組事例

事業者による適応に関する実際の取組事例を紹介しています。取組事例は「気候リスク管理」

気候リスク管理の事例

「気候リスク管理」とは、自社の事業活動において、気候変動から受ける影響を低減させるための取組です。

TCFDに関する取組事例

事業者がTCFD（気候関連財務情報開示タスクフォース）の対応を進めるうえで参考となる情報を紹介しています。

製菓業

Calbee

大成建設株式会社

TOYOX

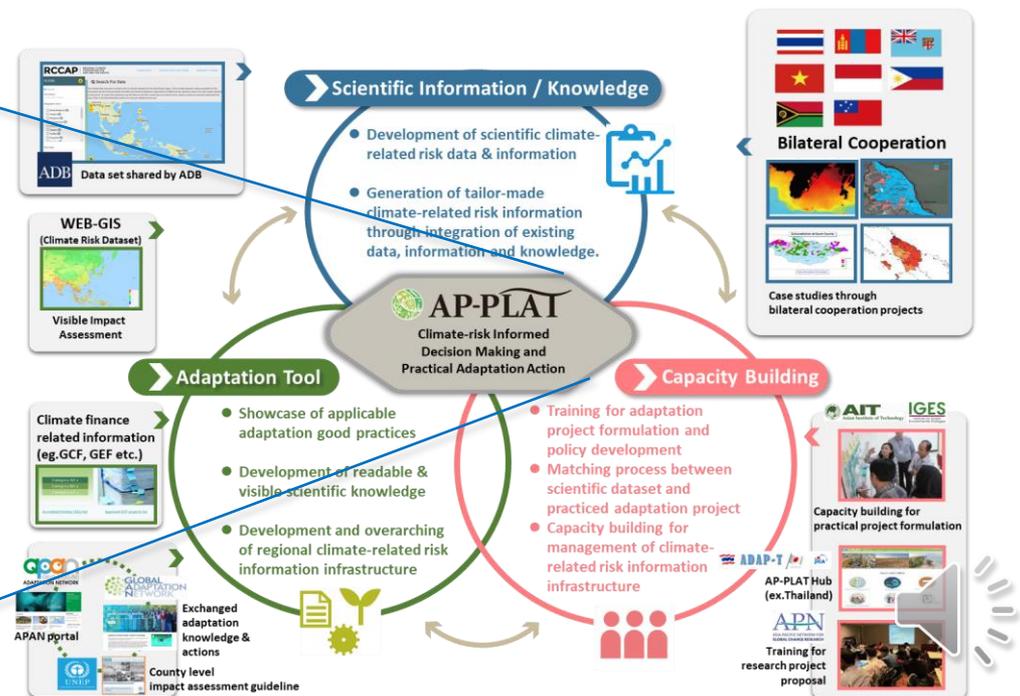
SEKISUI

大成建設株式会社

Introduction of cases of companies

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

- **AP-PLAT** is an information hub that assists developing countries in Asia-Pacific region in developing & implementing adaptation plans based on scientific knowledge
- Three roles of **AP-PLAT**:
 - ① **Sci.Info./knowledge**: provide scientific data e.g., climate change & impact projection
 - ② **Adaptation tool** : support adaptation by sharing simplified models, risk maps, good practices
 - ③ **Capacity building**: develop dataset in collaboration with stakeholders, sending experts

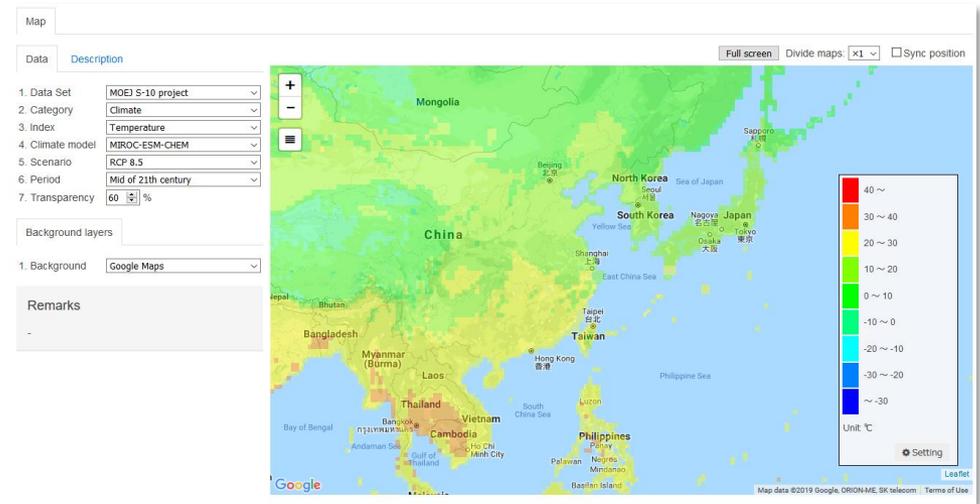


3. Asia-Pacific Climate Change Adaptation Information Platform (AP-PLAT)

Climate Impact Viewer

- Presenting climate-projected impact information to the public
 - Climate:** Temp, Precipitation
 - Water resource:** Falkenmark index
 - Ecology:** Net primary production etc., 6 indicators
 - Health:** Heat-related excess mortality

More will be added



CMIP6 Viewer

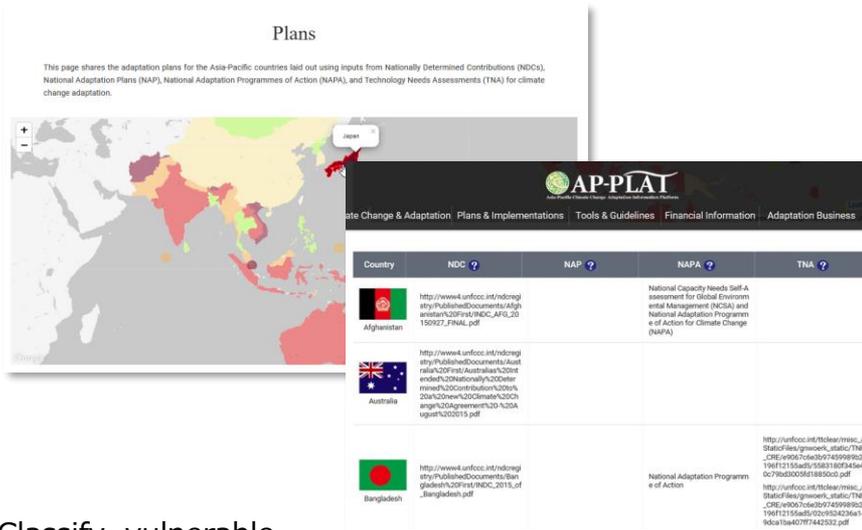
- A tool to display/download the latest CMIP6 data at administrative division (will be implemented).



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

■ Adaptation plan (NAPs/NDCs)

- Introduce NAPs/NDCs by country



Plans

This page shares the adaptation plans for the Asia-Pacific countries laid out using inputs from Nationally Determined Contributions (NDCs), National Adaptation Plans (NAP), National Adaptation Programmes of Action (NAPA), and Technology Needs Assessments (TNA) for climate change adaptation.

Country	NDC	NAP	NAPA	TNA
Afghanistan	http://www.unfccc.int/ndcgrid/strategy/PublishedDocuments/Afghanistan%20First%20NDC_Afghanistan_150927_FINAL.pdf		National Capacity Needs Self-Assessment for Global Environmental Management (NCSA) and National Adaptation Programme of Action for Climate Change (NAPA)	
Australia	http://www.unfccc.int/ndcgrid/strategy/PublishedDocuments/Australia%20First%20NDC%20Final%20Draft%202015%2012%2015.pdf			
Bangladesh	http://www.unfccc.int/ndcgrid/strategy/PublishedDocuments/Bangladesh%20First%20NDC_2015_of_Bangladesh.pdf		National Adaptation Programme of Action	http://unfccc.int/ndcgrid/strategy/PublishedDocuments/Bangladesh%20First%20NDC_2015_of_Bangladesh.pdf

Classify vulnerable sector identified in NDC by country



	Agriculture	Food	Marine and/or Coastal zones	Energy	Forestry	Health	Infrastructure	Water	Land use	Fisheries	Tourism
Cambodia	•		•		•	•	•				
Fiji	•		•	•	•	•	•	•		•	
India	•		•	•	•	•	•	•			
Indonesia	•	•	•	•	•	•	•	•		•	
Lao	•			•	•	•	•	•			
Malaysia				•	•	•	•	•			
Thailand		•	•	•	•	•	•	•			
Samoa	•			•	•	•	•	•			
Micronesia				•							
Nauru	•	Nauru		•	•	•	•	•			
Myanmar	•		•	•	•	•	•	•			

■ Funding for adaptation

- Introduce funds for adaptation



Overview of Main Climate Funds to support Developing Countries

There are various types of funding and technical support schemes for developing countries to address climate change adaptation issues. This page introduces the following 5 schemes under the UNFCCC as well as the Green Climate Fund (GCF).

- Global Environment Facility (GEF)
- Adaptation Fund (AF)
- Green Climate Fund (GCF)
- Climate Investment Fund (CIF)

Financial Mechanism

- Summary on GCF
- Accredited Entities (AEs) list
- Approved GCF projects list
- GCF Project description

Overview of the Green Climate Fund (GCF)

- Overview of the Green Climate Fund (GCF)
- Strategic Prioritized Areas
- Portfolio of GCF Projects
- Six Investment Criteria
- Access Modalities for GCF
- Funding Proposal Approval Process
- National Designated Authority (NDA)

• Fund to support mitigation and adaptation measures against climate change

• Aims to achieve a paradigm shift

• Established at the COP16 to the UNFCCC, with its permanent headquarters located at Songdo, Republic of Korea

• Board meetings are held at least twice a year (normally three times)

• Started project approvals from 2016. As of March 2018, 76 projects have been approved and total of 3.7 billion USD has been committed.

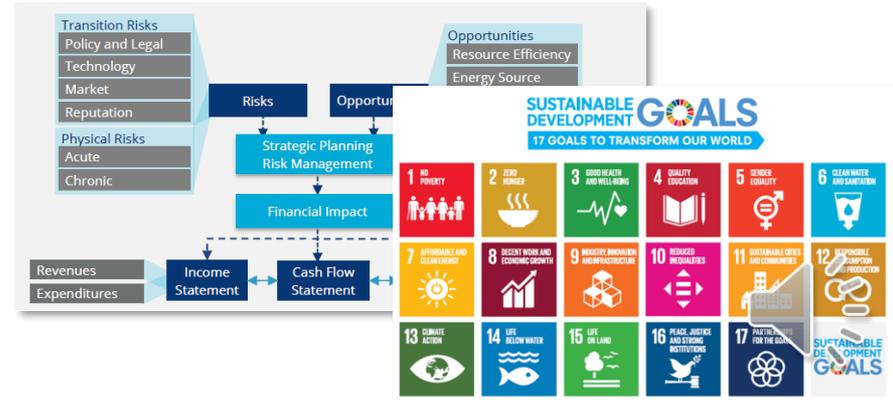
• Accredited Entities (AE) play the central role in project implementation.

Project + Programme: <https://www.greenclimate.fund/what-we-do/projects-and-programmes>

Portfolio Dashboard: <https://www.greenclimate.fund/what-we-do/projects-and-programmes>

■ Disclosure & SDGs

- Introduce disclosing system (CDP, TCFD) & SDGs



Transition Risks: Policy and Legal, Technology, Market, Reputation, Physical Risks (Acute, Chronic)

Opportunities: Resource Efficiency, Energy Source

Risks and Opportunities lead to Strategic Planning Risk Management, which leads to Financial Impact.

Financial Impact leads to Cash Flow Statement, which is derived from Revenues and Expenditures, leading to the Income Statement.

SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD

- 1 NO POVERTY
- 2 ZERO HUNGER
- 3 GOOD HEALTH AND WELL-BEING
- 4 QUALITY EDUCATION
- 5 GENDER EQUALITY
- 6 CLEAN WATER AND SANITATION
- 7 AFFORDABLE AND CLEAN ENERGY
- 8 DECENT WORK AND ECONOMIC GROWTH
- 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
- 10 REDUCED INEQUALITIES
- 11 SUSTAINABLE CITIES AND COMMUNITIES
- 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- 13 CLIMATE ACTION
- 14 LIFE BELOW WATER
- 15 LIFE ON LAND
- 16 PEACE, JUSTICE AND STRONG INSTITUTIONS
- 17 PARTNERSHIPS FOR GOALS

Thank you for your kind attention.

