

Introduction to adaptation policy in Japan

- A-PLAT and AP-PLAT -

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Asia-Pacific Integrated Model

<http://www-iam.nies.go.jp/aim/index.html>




Contents

- 1. Climate change adaptation actions in Japan**
- 2. Promote national adaptation : A-PLAT**
(Climate Change **A**daptation **Plat**form)
- 3. Support adaptation activities in Asia Pacific region: AP-PLAT**
(**A**sia-**P**acific Adaptation Information **Plat**form)

Steps for National Adaptation Planning in Japan

Fourth Environment Basic Plan (Cabinet Decision, April 2012) decided to assess impacts of climate change and to promote adaptation measures



“Expert Committee on Climate Change Impact Assessment” was established under Central Environment Council (2 July, 2013)




- Projection of climate change and its impacts in Japan
- Reviews for more than 500 papers by 57 experts
- Assessment for 56 items in 7 thematic areas
- Expert judgement on significance, urgency and confidence levels


Report on Climate Change Impact Assessment in Japan (10 March, 2015)



Inter-Ministry Meeting for Climate Change Adaptation (11 September, 2015)



National Adaptation Plan was draft by the Inter-Ministry Meeting, and called for **public comments** (23 October, 2015)



National Adaptation Plan was formulated (Cabinet decision, 27 November 2015)

Contents of Japan's NAP

I. Basic concept (Vision, Basic strategy, Period, Basic approach)

- Minimizing or avoiding climate change impacts on people's lives, property and livelihood, economy and ecology by implementing adaptation at any occasion

II. Sectoral measures

- Summarizing climate change impacts and basic adaptation measures by sector ("Agriculture, Forest/Forestry, Fisheries", "Water environment, Water resource", "Natural ecosystems", "Natural disasters, Coastal areas", "Human health", "Industrial/Economic activities", and "Life of Citizenry, Urban Life")

III. Basic measures and international measures

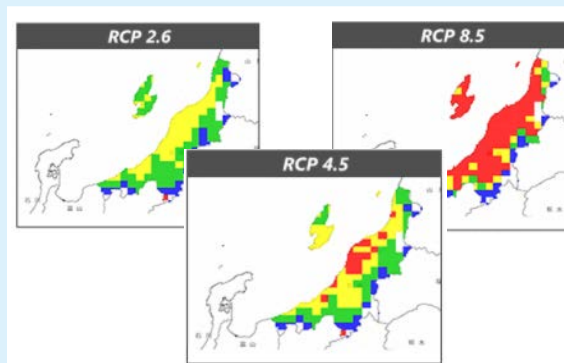
- (i) Observation and monitoring, Research and Studies
- (ii) Sharing and providing information related to climate risk
- (iii) Promotion of adaptation in region
- (iv) Promotion of international cooperation and contribution

} A-PLAT
→ AP-PLAT

Outline of A-PLAT

- Aims at being a basis **for adaptation actions of local governments, businesses, and citizens.**
- **Collects and provides climate risk information** and best practices; develops tools to promote adaptation actions.
- Operated by the National Institute for Environmental Studies (NIES) with cooperation of relevant ministries.

Provide climate risk information



Stakeholders:



Local Government



Private Sectors



Individuals &
Communities

A-PLAT

Consists of 6 key sections

Key pages are:

1. What's Climate Change Adaptation?
2. National Adaptation Plan
3. National & Local Info. (S-8)
4. For Local government
5. For Private sector
6. For Individuals



2. National Adaptation Plan



HOME > National Plan for Adaptation to the Impacts of Climate Change

National Plan for Adaptation to the Impacts of Climate Change



National Plan for Adaptation to the Impacts of Climate Change was formulated to progress adaptation to climate change impacts systematically and comprehensively.

[National Plan for Adaptation to the Impacts of Climate Change \(PDF\)](#)

Link to National Adaptation Plan of Japan

- The IPCC's Fifth Assessment Report shows that global mean temperature will increase even if reduction of GHG is advanced.
- It is necessary to promote "adaptation" in order to address climate change impacts.
- "Report on Assessment of Impacts of Climate Change in Japan and Future Challenges (Comment Submission)" was formulated by the Central Environment Council on March 2015.
- Climate Change in Japan



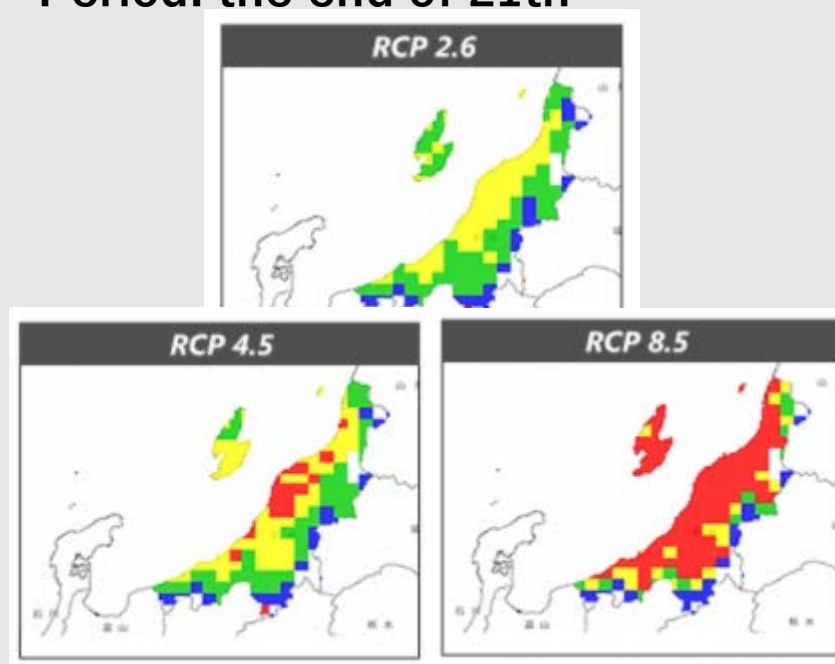
Outline of the “National Plan for Adaptation to the Impacts of Climate Change”

3. Risk information on WebGIS

Future climate projections and quantitative climate-change impact assessment by prefecture



Target area: Niigata pref.
Index: Rice yield (quality oriented)
Period: the end of 21th



4. Contents for stakeholders

Local Governments

List of adaptation plans by local gov.

東北地区

青森県	
岩手県	・岩手県気候変動適応計画策定方針（平成29年3月策定） NEW
秋田県	・第2次秋田県気候変動適応計画策定計画（平成29年3月策定） NEW
山形県	・山形県気候変動適応計画策定計画（中間見直し版）（平成29年2月策定） NEW
宮城県	仙台市
福島県	・仙台市気候変動適応計画2016-2020（平成28年3月策定） ・福島県気候変動適応計画策定計画（平成29年3月策定） NEW

関東地区

茨城県	・茨城県気候適化対策実行計画（平成29年3月改定） NEW	
栃木県	・栃木県気候適化対策実行計画（平成27年度策定）	
群馬県	・群馬県気候適化対策実行計画（改定版）（平成26年度改訂）	
埼玉県	・ストップ温暖化・埼玉ナビゲーション2050（改訂版）（埼玉県気候適化対策実行計画（気候適化編））（平成26年度改訂） ・気候適化への適化に向けて～戦略の方向性～（平成28年3月策定） NEW	
千葉県	・千葉県気候適化対策実行計画～CO2削減スマートプラン～（平成28年6月策定）	
	千葉市	・千葉市気候適化対策実行計画（平成28年10月改定） NEW
東京都	・東京都環境基本計画（平成27年度策定） ・神奈川（県）気候適化対策計画（平成28年10月改定）	

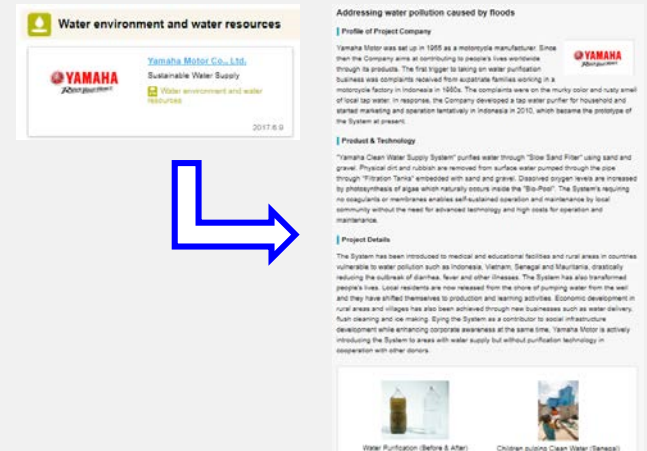
Municipal Adaptation Planning Guideline



Private Sector

*Climate risk

*Adaptation Business



Individuals



おすすめ動画・WEBサイト

適応しよう！ 異常気象には防災対策

出典：内閣府大臣官邸政府広報室

適応しよう！ 洪水・土砂災害から身を守る～ハザードマップの利用

出典：国土交通省

適応しよう！ 豪雨・雨・電波から身を守る～自治体のサービス

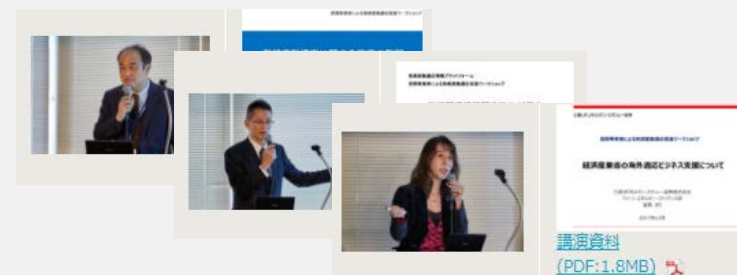
出典：気象庁

適応しよう！ 緊急時に備えて買いおきをしましょう

出典：農林水産省

Business workshop (1. Nov 2017)

156 participants

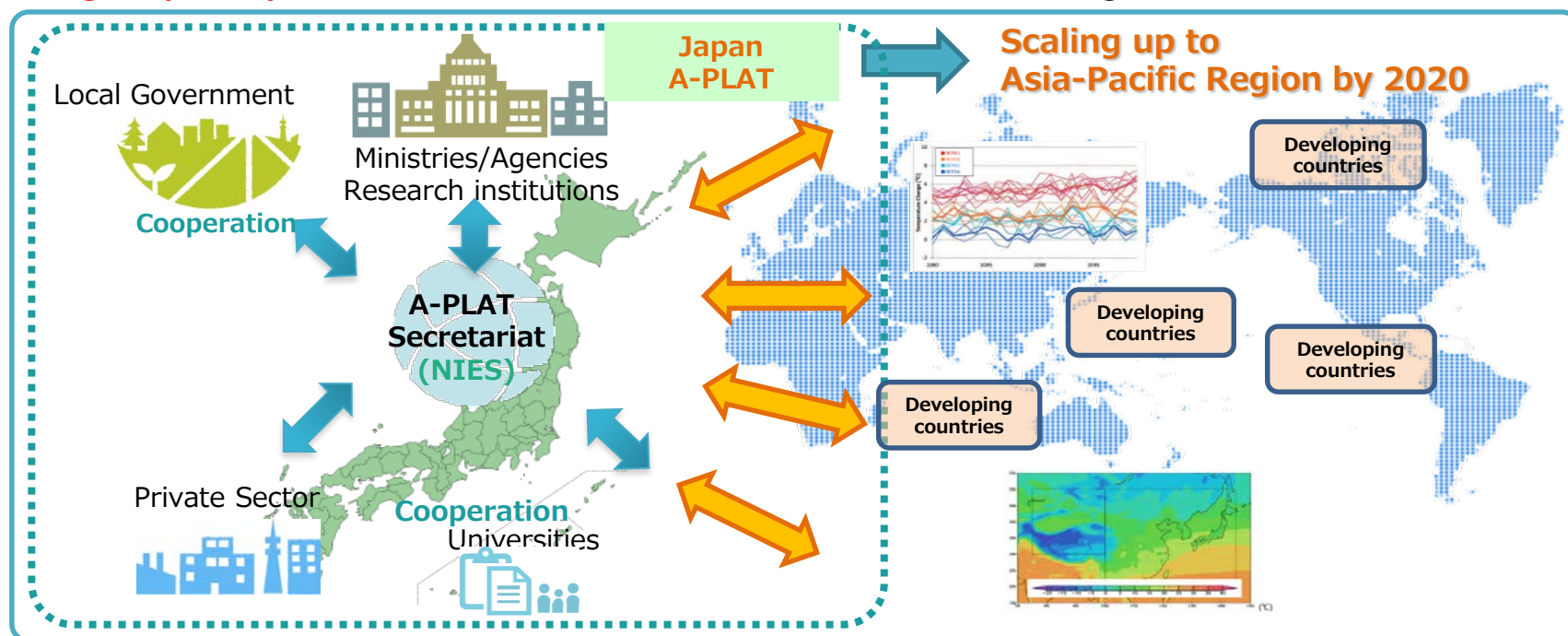




Asia-Pacific Adaptation Information Platform (AP-PLAT)

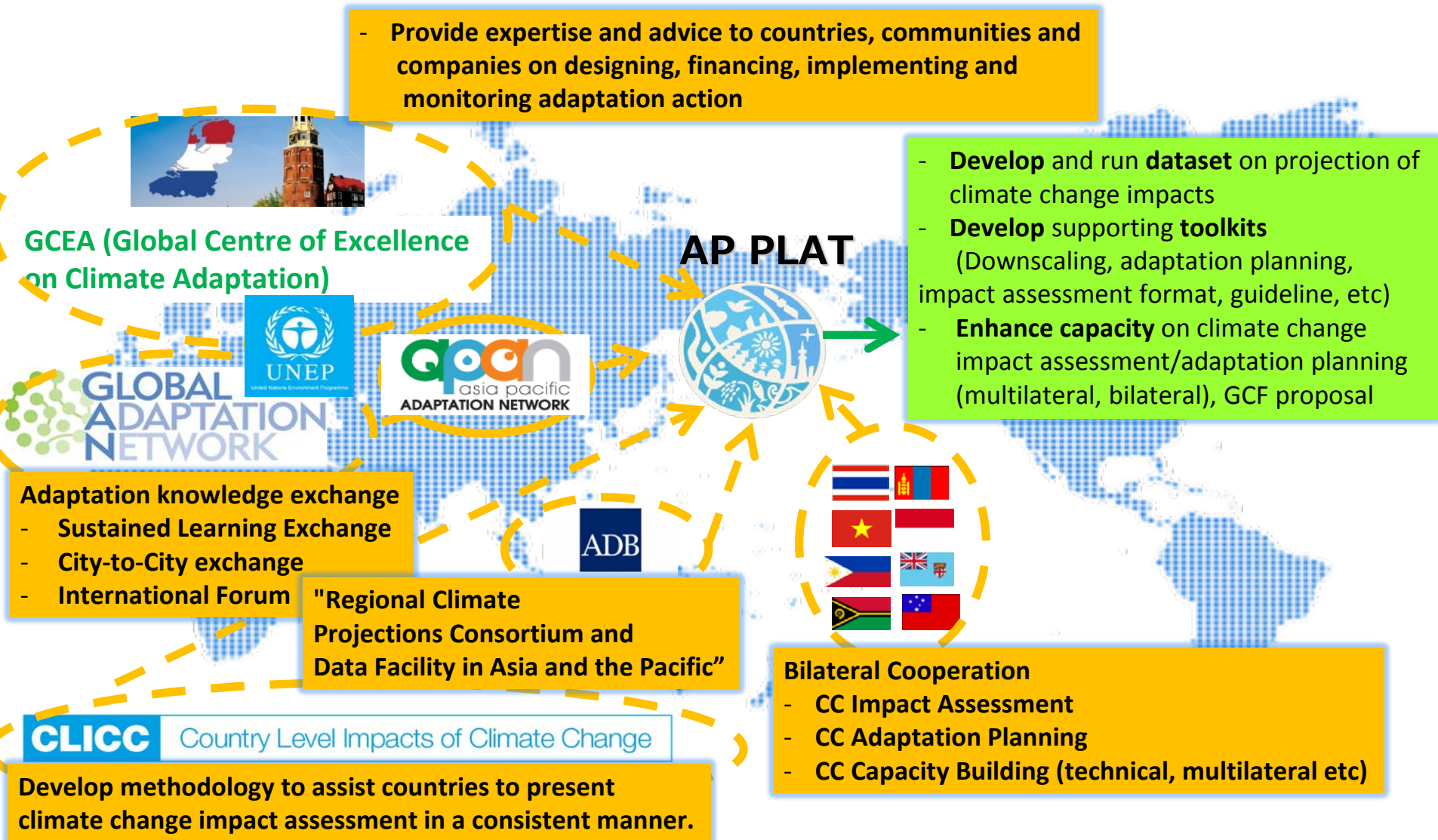


- **Asia Pacific Adaptation Information Platform** will be established by 2020 to share **climate risk information** via online with research institutes/universities in both developing/developed countries.
- To support adaptation measures by providing advanced scientific climate risk information
- Japan will take a lead in the following activities under the Platform
 - ① **Develop dataset** on **projection of climate change impacts** in the region through bilateral & intensive studies
 - ② **Develop supporting toolkits** for officials and stakeholders engaged in adaptation planning
 - ③ **Build capacity** on climate change **impact assessment/ adaptation planning**
- **Calling for participation** from the countries in Asia Pacific and other Regions



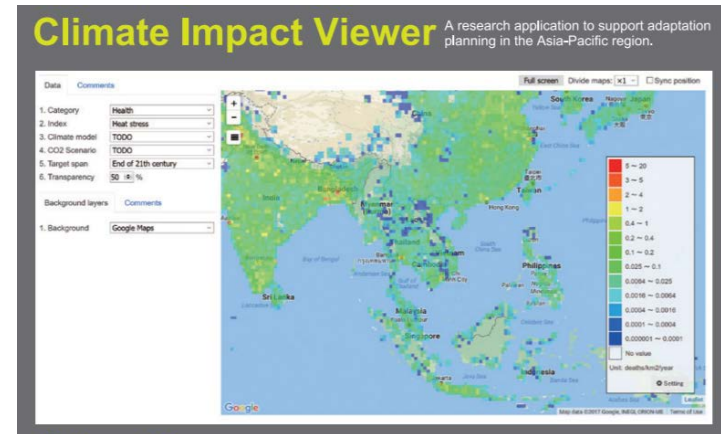
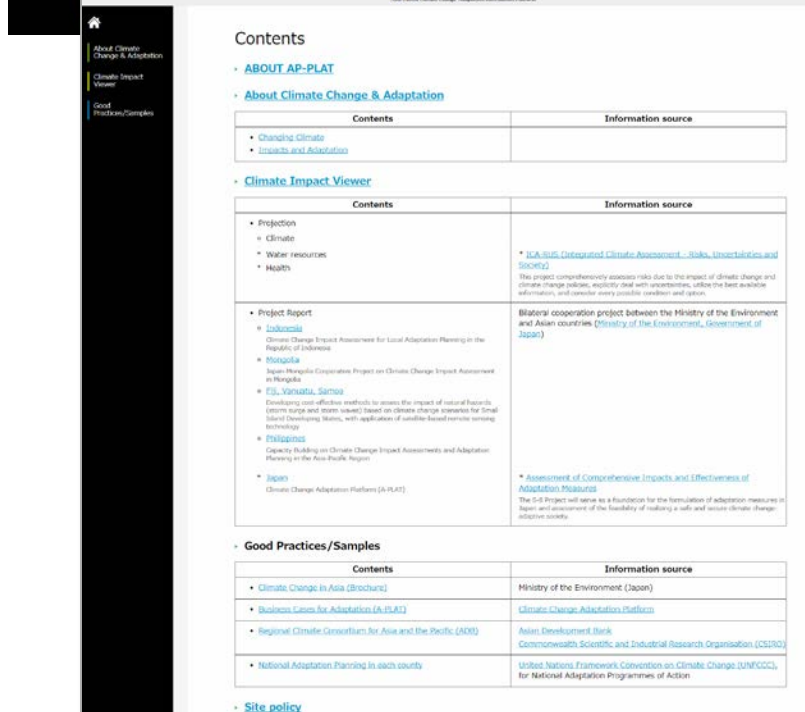


AP-PLAT Conceptual Framework





AP-PLAT Website



* S-10 data (heat stress & water resource) is currently available

MoEJ 's Bilateral cooperation Report



A-PLAT and AP-PLAT

- **A-PLAT** (Climate Change **A**daptation **Plat**form) is a "**One-stop**" online resource for adaptation to climate-change impacts in Japan.
- **A-PLAT** will expand the function into **AP-PLAT** (**A**sia **P**acific Adaptation Information **Plat**form) to promote adaptation in the region.



ご清聴ありがとうございました
Thank you for your attention