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Cross-regional knowledge sharing Case of Japan

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Progress in Our Basic Strategy

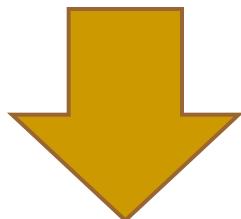
- 1990's- :Research
 - Domestic research programmes (i.e., Global Environment Research Fund (since 1990)
 - Regional research programmes (i.e., Asia-Pacific Network for Global Change Research (APN, since 1996)
 - Engagement with IPCC
- 2000's- :International policy framework
 - Actions under UNFCCC and Kyoto protocol (i.e., GEF, LDCF, SCCF, Adaptation Fund)
 - Engagement with GEOSS, WCRP, etc.
- 2010's- :Regional actions
 - Forums under APAN and ISAP
 - JICA technical cooperation (NAP assistance for Indonesia)
- 2014- :New approach (more action-orient..)

New Actions for Climate Change Adaptation

- National Adaptation Plans in Japan
 - Planning by Government of Japan (since 2013)
 - Expected to be Planned by Local Governments in Japan
- Actions thorough international framework
 - Cooperation for National Adaptation Planning process in developing countries through UNFCCC
 - Engagement with Global Adaptation Network (GAN) through APAN

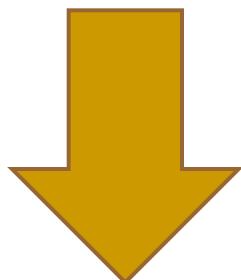
Steps towards National Adaptation Plan

Establish “Expert Committee on Climate Change Impact Assessment” at 114th Global Environmental Subcommittee, Central Environmental Council (2 July, 2013)



- Further detailed projection of climate change in Japan to monitor extreme events
- Assessment on climate change impacts in Japan
- Analysis on risk information

Summarize climate change impacts, risk assessment and future issues (around Feb, 2015)

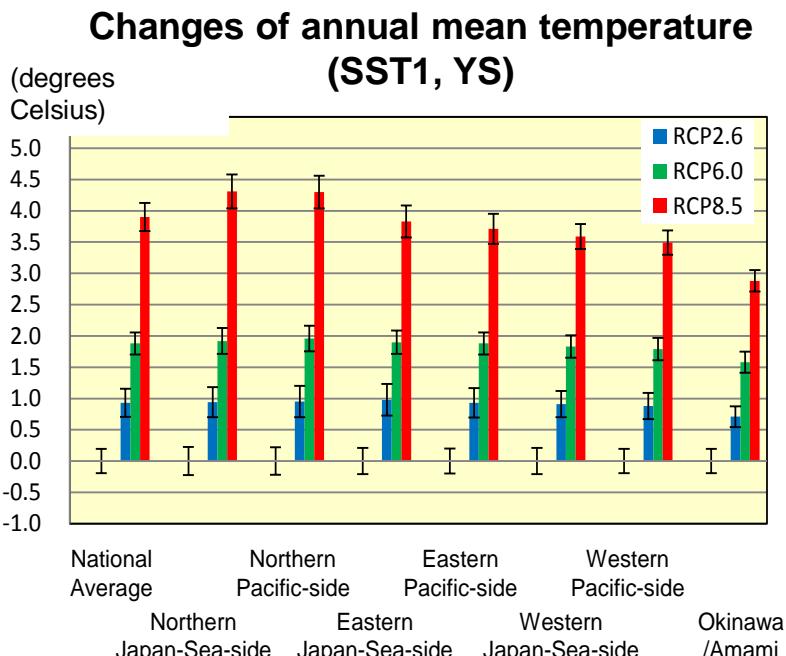


- Extraction of priority areas/issues in short-term (- 10 years), middle-term (10-30 years) and long-term (30-100 years)

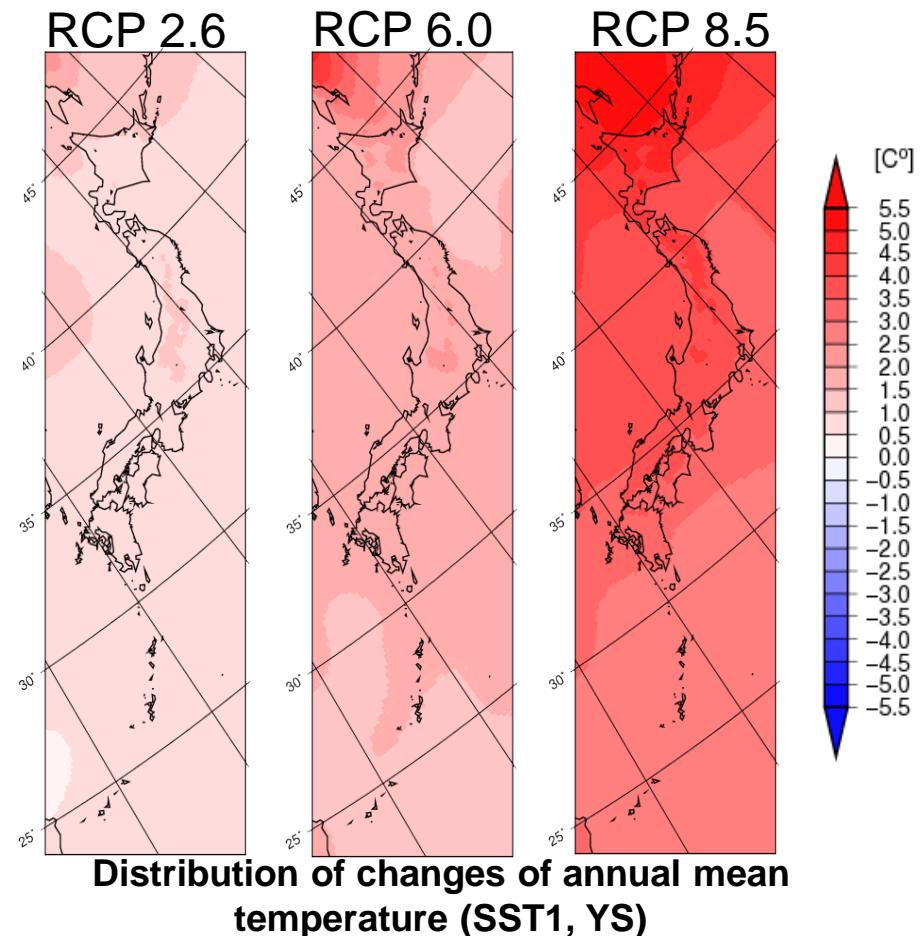
Develop National adaptation plan as a government-wide integrated effort (summer, 2015)

Climate Change Projection (Regional Climate Model)

- Changes of annual mean temperature
 - The amounts of temperature increases are relatively high in northern regions and relatively low in Okinawa/Amami region.



Column : Changes from present climate
(Blue: RCP2.6, Green : RCP6.0, Red:
RCP8.5)
Error Bar : Standard deviation of interannual variation
(Error bar with no column: SD of present
climate)



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- PM's Adaptation Initiative

Japan's Adaptation Initiatives to Support Adaptation Action

- Climate change has caused impacts on natural and human systems on all continents and across the oceans. There are risks resulting from sea level rise, storm surge in coastal areas, and inland flooding in urban regions.
- Japan will bring together the knowledge of the private sector, government and academia, and consistently assist developing countries' adaptation actions both in terms of their plans and implementation.

Assistance to Developing Countries in the field of Adaptation

(Approx. 2.3billion USD from Jan. 2013 to Jun. 2014)

Adaptation Policy Planning

Assist the mainstreaming of adaptation through formulation of national/local adaptation plans in developing countries vulnerable to climate change, based on Japan's experience in formulating its National Adaptation Plan to be published in the summer of 2015.

Implementing Adaptation Measures

Assist various adaptation measures against climate change risks from extreme weather events and slow onset events.
e.g.

- ✓ Water Resource/Disaster Risk Reduction
- ✓ Natural Environment/Biodiversity
- etc.

Vulnerabilities particular to small island states

Provide comprehensive assistance by sharing Japan's experience and knowledge and providing necessary equipments.

- Wide-area capacity development for climate change and natural disaster

Disaster Risk Reduction

Host the Third World Conference on Disaster Risk Reduction in Sendai, Japan in March 2015 and contribute to the formulation of the post-Hyogo Framework for Action (HFA2)

- Capacity development for DRR through both structural and non-structural measures
- Provision of swift assistance for recovery

Applying Japan's Technology for Adaptation Measures

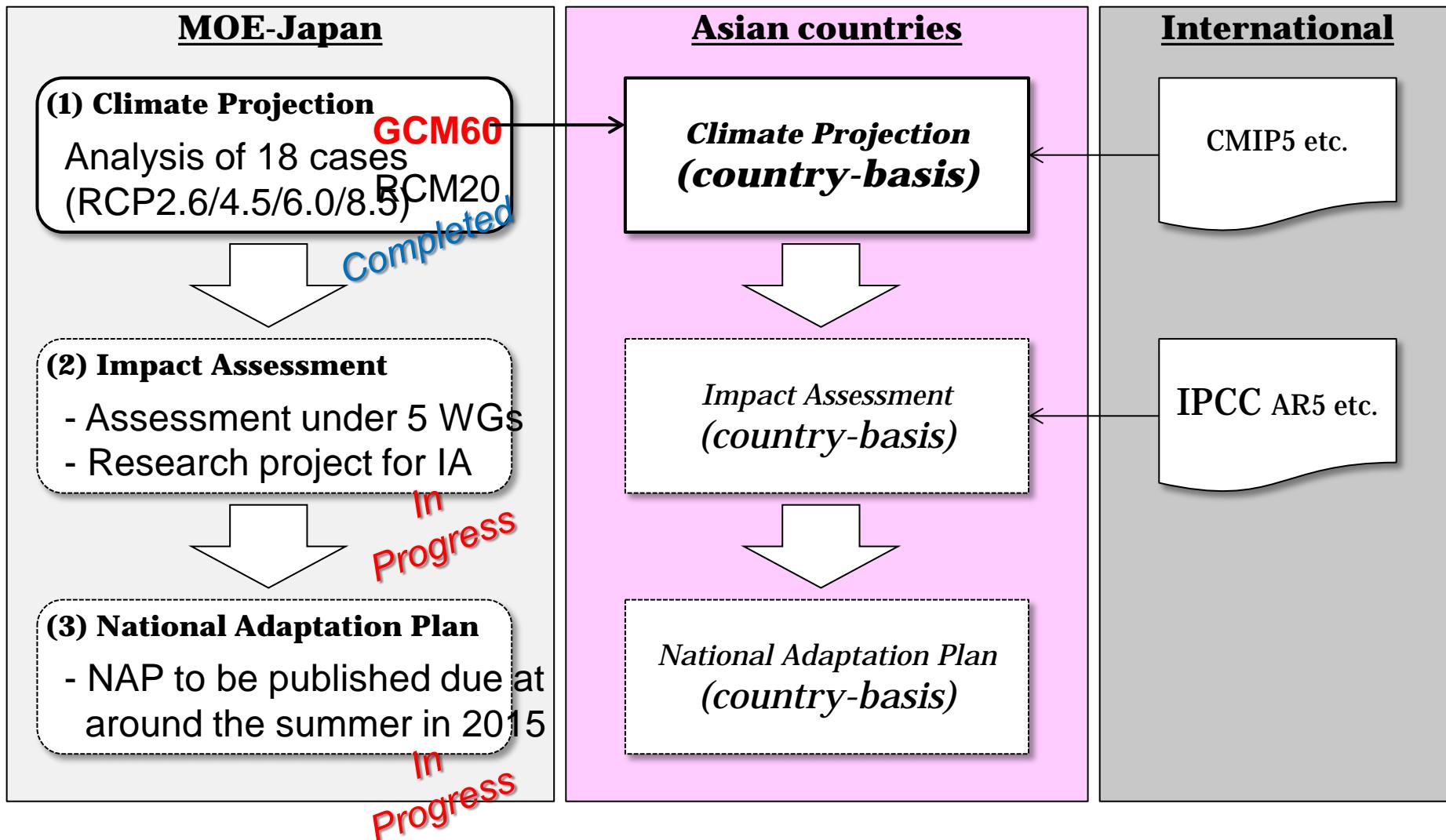
- Data, technologies, and knowledge related to climate change

Human resources development of 5000* people in the field of adaptation in the next 3 years

Sharing experience and knowledge through international networks

(*as part of the pledge made by PM Abe for human resources development of 14,000 people in the next 3 years to address climate change)

- Japan's experiences on its “NAP” establishment can contribute to developing “NAPs” in Asian countries.



Thank you for your attention!

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