



# Parallel Session 1-2\_B: Innovative Monitoring, Reporting and Verification System in Asian Countries

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The presentation includes research outcomes from The Environment Research and Technology Development Fund (ERTDF, 2-1711) of Environmental Restoration and Conservation Agency and Ministry of the Environment, Climate Change Adaptation Research Program of NIES, the "Project to Promote CO2 Technology Assessment (from FY2014-2017)" of Ministry of the Environment, Japan, and JSPS-DG-RSTHE Joint Research Project funded by the Japan Society for the Promotion of Science.

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## Way to Monitor Progress in Mitigation: Reduction in GHG Emissions



# Region/Subnational is *NOT* miniature of national situation.

• Regional characteristics should be considered for MRV in regional/city.

Example: Wind situation differs island and island, and area by area.



# Different Scale, Intercorrelating among Scales

• Different scales but all things are intercorrelated.



Climate Change Impacts/Adaptations also important

### Rice yield considering quality (RCP8.5, MIROC5)





National Climate Change Adaptation Law will be enforced on 1st Dec., 2018

#### CLIMATE CHANGE ADAPTATION PLATFORM Outline of A-PLAT

- A-PLAT (Climate Change Adaptation Platform) is a "One-stop" online resource for adaptation to climate-change impacts in Japan.
  - 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 NIES with cooperation of relevant ministries.



#### **Asia-Pacific Climate Change Adaptation Platform**

#### Announced at COP22

- 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.
- igodow To support adaptation measures by providing advanced scientific climate risk information
- $\bigcirc$  Japan will take a lead in the following activities under the Platform

①Develop dataset on projection of climate change impacts in the region through bilateral & intensive studies
②Develop supporting toolkits for officials and stakeholders engaged in adaptation planning
③Build capacity on climate change impact assessment/ adaptation planning



## Approach to Climate Change Impacts/Adaptations



2018/11/21

Based on: Gordon McBean at RACC10

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# Presenters in the Session PS1-2B

- 1. Dr. Kei Gomi, NIES, Japan Spatial Low Carbon Modeling for Urban Development: Japan Experience
- [Canceled] Ms. Sri Tantri, KLHK, Indonesia Lesson Learnt: Monitoring Impact of Adaptation Program in Indonesia using SIDIK
- 3. Dr. Seiya Maki, NIES, Japan Expanding Methodology Plan by Using Data Fusion Method
- Dr. Retno Gumilang Dewi, ITB, Indonesia Challenges for Developing Effective MRV System for Industrial/Energy Sector
- 5. Mr. Bregas Budianto, IPB, Indonesia Monitoring System for Green Campus

Each Presenter has 15 min presentation