

PS2-1: Development of a Holistic Innovative Monitoring System toward Low Carbon Future in Asia: From Surface to Satellite

Shuichi Ashina

Senior Researcher

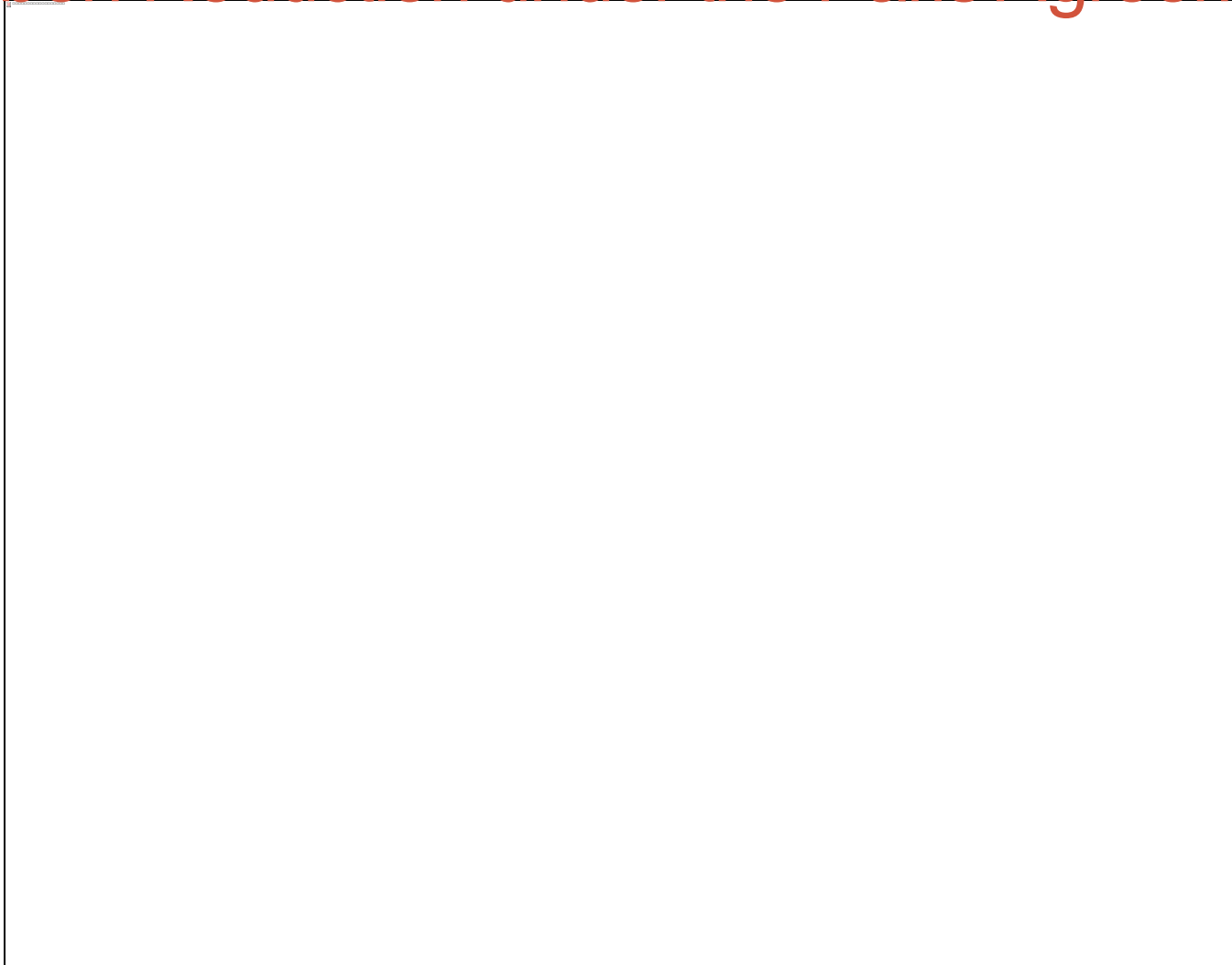
National Institute for Environmental Studies

E-mail: ashina.shuichi@nies.go.jp

The presentation includes research outcomes from the “Project to Advance MRV and Related Techniques in Indonesia for the Promotion of a Joint Credit Mechanism (from FY2014-2016)” of the Ministry of Environment of Japan and the Environment Research and Technology Development Fund (ERTDF, 2-1402 and 2-1404) of Ministry of the Environment, Japan.

Globally Averaged CO₂ Levels Reach 400 parts per million in 2015 said by WMO

The Global Community Starts Making Efforts for Carbon Reduction under the Paris Agreement



Source: <http://pureadvantage.org/news/2016/02/11/the-paris-climate-agreement-implications-for-new-zealand-businesses/>

How to Valid Reduction Actions? - Monitoring!

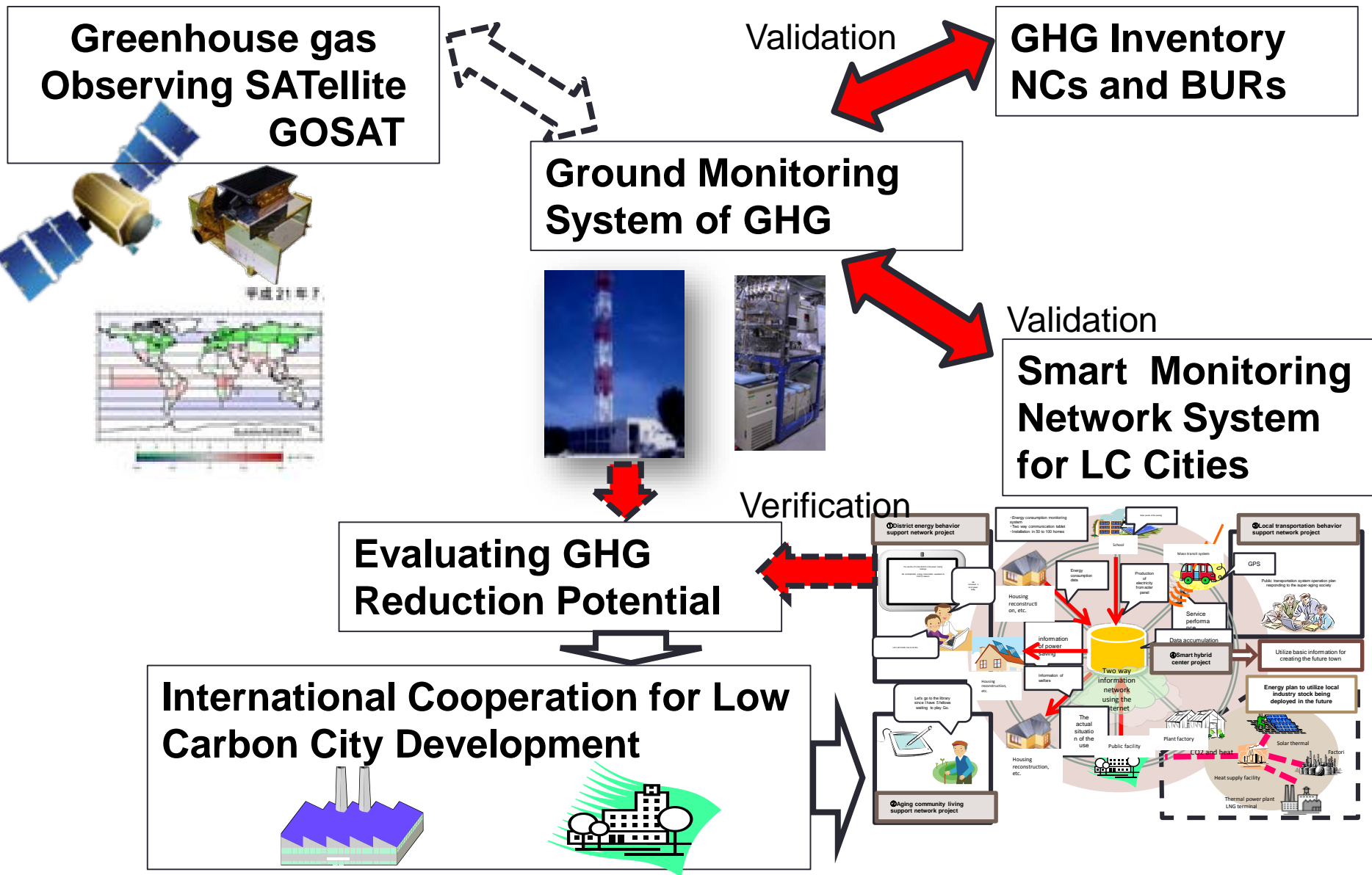
We've
installed
EV!

Proactive
on GHG
reduction!

Plants are
CCS-
equipped!

**Why do I
have to do
that?**

Holistic Monitoring System from Surface to Satellite



Development of an Innovative Monitoring System

— *What is Monitoring?*

1. Dr. Ryuichi Hirata, NIES, Japan
2. Dr. Ruandha Agung Sugardiman, Ministry of Environment and Forestry, Indonesia
3. Dr. Muhammad Ardiansyah, IPB, Indonesia
4. Prof. Ucok Siagian, ITB, Indonesia

Application of Monitoring Data into Society

— *How to Utilize Monitoring Data?*

1. Dr. Takaaki Furubayashi, Tohoku University, Japan
2. Mr. Naufal Isnaeni, BAPPEDA, Bogor City, Indonesia
3. Ms. Tri Widayati, Indonesia
4. Dr. Ir. Kirsfianti Linda Ginoga, Ministry of Environment and Forestry, Indonesia
5. Dr. Lintong S Hutahaeon, Ministry of Industry, Indonesia
6. Dr. Tsuyoshi Fujita, NIES, Japan

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*environment research based on a firm
understanding of the interaction between
nature, society, and life on our planet.*

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