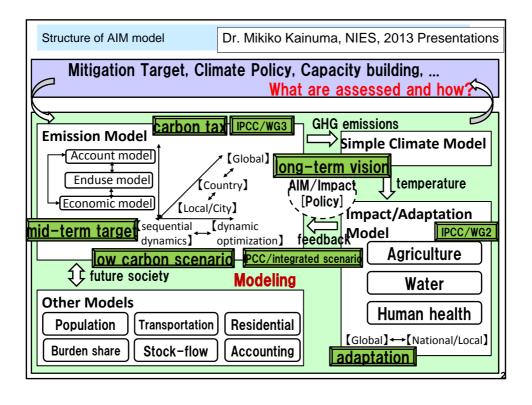
ISAP(International Forum for Sustainable Asia and the Pacific) 2014 International Climate Regime in 2020 and Initiatives in Asia:

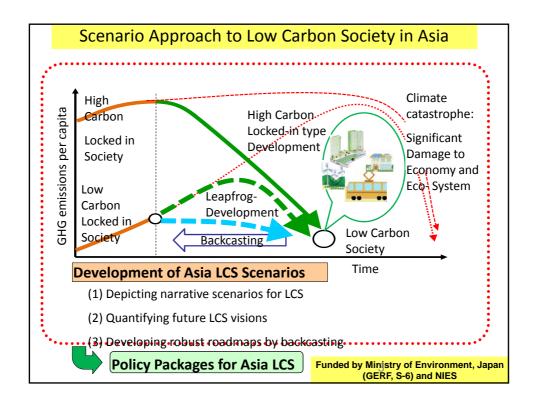
International Collaborative Research for Innovative Modelling and Monitoring for Low Carbon Society and Eco-Cities in Indonesia

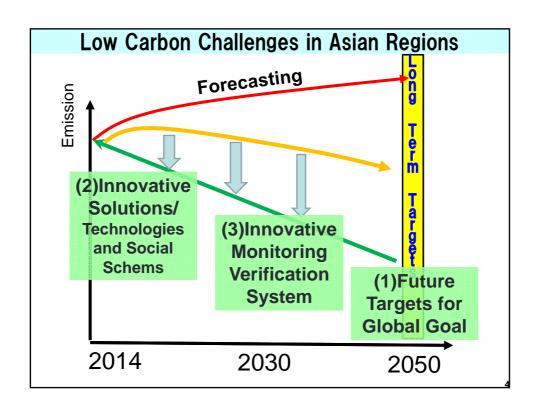
Professor FUJITA, Tsuyoshi, fujita77@nies.go.jp

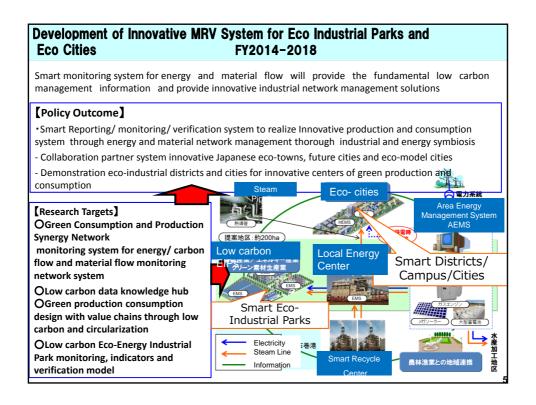
Director of Social Research Center

National Institute for Environmental Studies, JAPAN







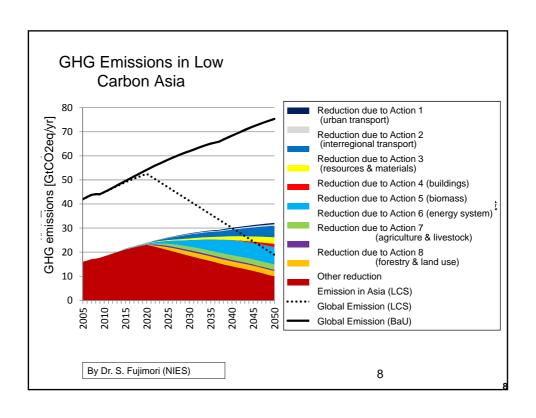


#### **AGENDA**

- (1) Integrative modelling research for low carbon society
- (2) Urban and regional eco-city design model and simulation research
- (3) Innovative monitoring and regional evaluation system research

# (1) Integrative modelling research for low carbon society

Assessment of mitigation technologies and financial policies for low carbon development are jointly developed particularly focusing in the fields of agriculture, forestry, energy and land use sectors in Indonesia



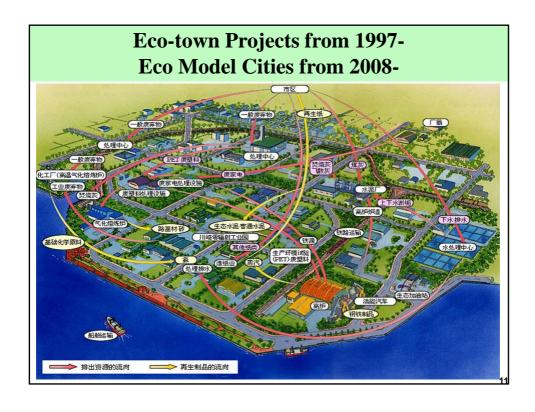
### **AGENDA**

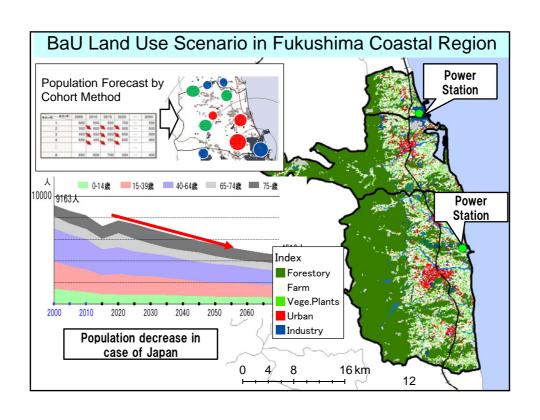
- (1) Integrative modelling research for low carbon society
- (2) Urban and regional eco-city design model and simulation research
- (3) Innovative monitoring and regional evaluation system research

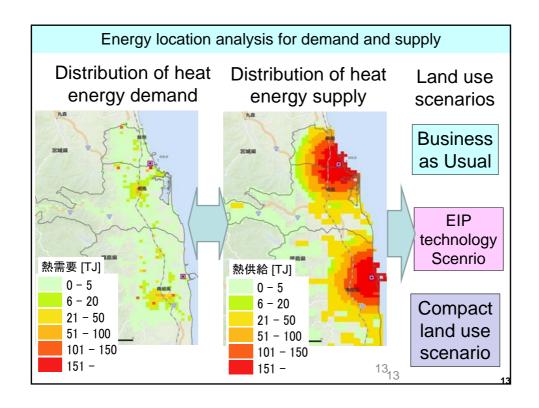
## (2)Urban and regional eco-city design model and simulation research

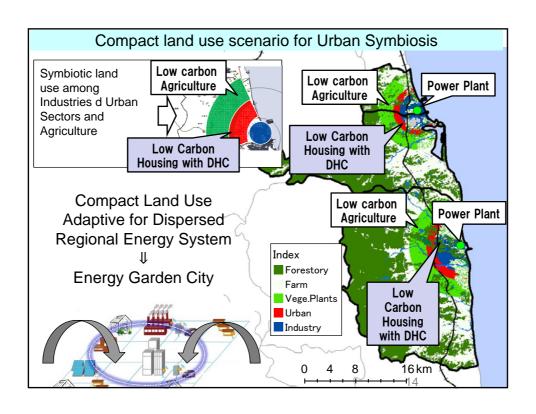
Development of regional scale integrated assessment model for designing low car-bon society in Indonesia, which covers energy sectors as well as non-energy sectors such as forest management and material recycling system will be collaborated.

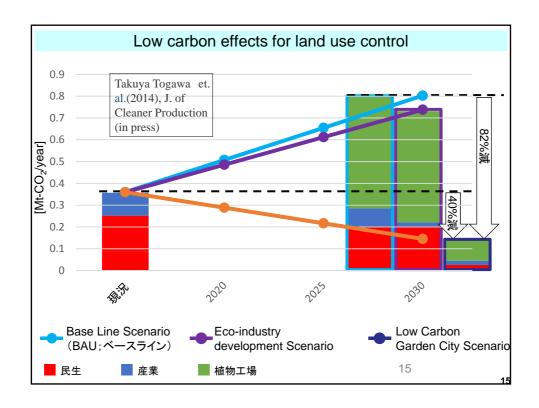
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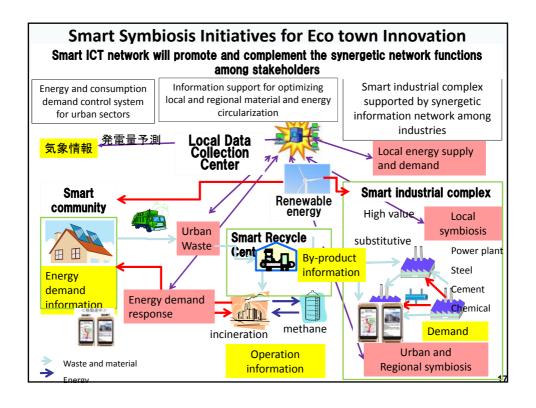


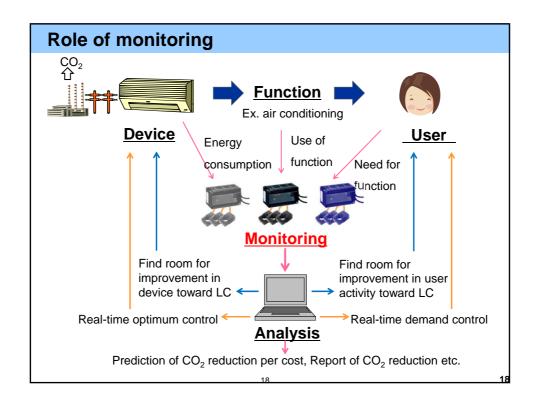


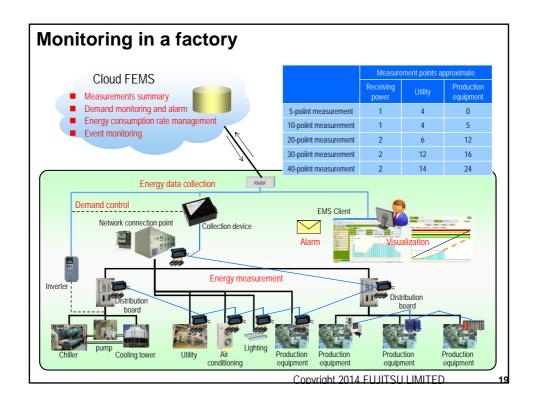
### (3) Innovative monitoring and regional evaluation system research

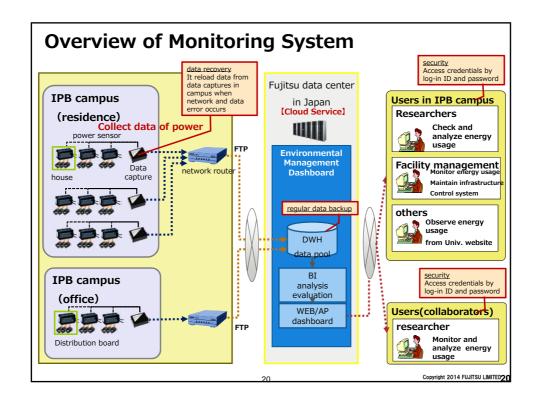
Innovative social monitoring system which includes smart monitoring system for eco-city districts and eco-industrial parks will be developed under the comprehensive collaboration between Indonesia and Japan. The following academic and policy outcome are expected such as strategic technology assessment and coordination for sustainable low fossil carbon society strategy planning, innovative monitoring system.

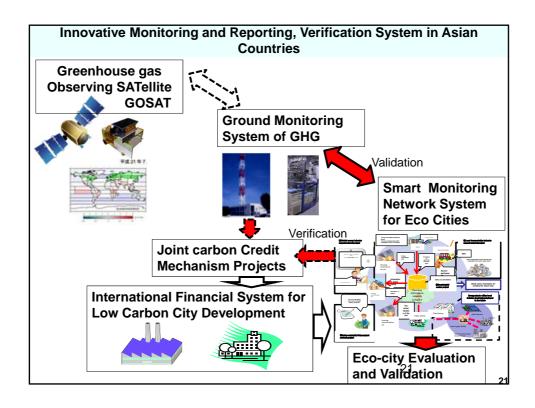
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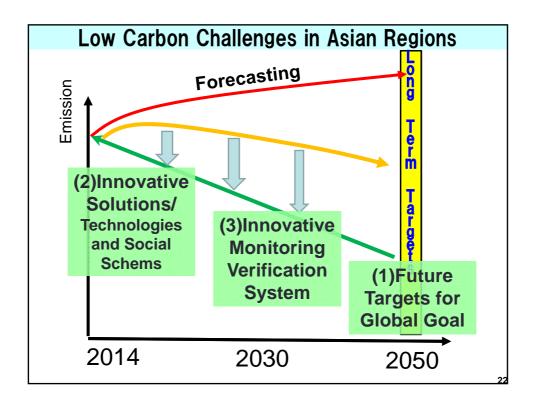












#### **Related Publication**

Xudong Chen, Tsuyoshi Fujita, Satoshi Ohnishi, Minoru Fujii, Yong Geng: The Impact of Scale, Recycling Boundary, and Type of Waste on Symbiosis and Recycling: An Empirical Study of Japanese Eco-Towns, Journal of Industrial Ecology, Vol.16 (1), pp.129-141, February, 2012

Minoru Fujii, Tsuyoshi Fujita, Xudong Chen, Satoshi Ohnishi, Naohisa Yamaguchi: Smart Recycling of Organic Solid Wastes in an Environmentally Sustainable Society, Resources, Conservation and Recycling, Vol.63, pp.1–8, June, 2012 Xudong Chen, Tsuyoshi Fujita, Yong Geng, Kebin Liu, Minoru Fujii, Junyi Wang, Bing Xue: Effects of Environmental Education on Waste Separation Performance: Experimental Study in Shenyang University, China, Journal of Cleaner Productions,

Yujiro Hirano, Tsuyoshi Fujita: Evaluation of the impact of the urban heat island on residential and commercial energy consumption in Tokyo, Journal of Energy, Vol.37 (1), pp.371-383,01,2012

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Satoshi Ohnishi, Tsuyoshi Fujita, Xudong Chen, Minoru Fujii: Econometric Analysis of the Performance of Recycling Projects in Japanese Eco-Towns, Journal of Cleaner Production, Vol.33 (1), pp.217-225, September, 2012

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### Thank you for attention

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