

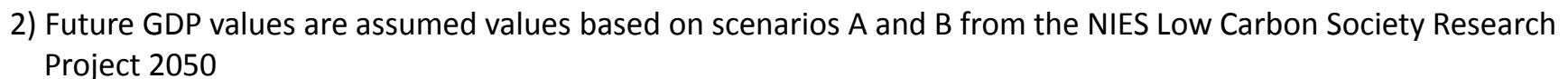
Bridging Science and Low Carbon Policy: Japan's Experience & Low Carbon Asia Research Network

NIES/UTM "Low Carbon Action in Asia
Modeling to bridge Science and Policy"
30 November 2012, Doha COP18

Shuzo Nishioka

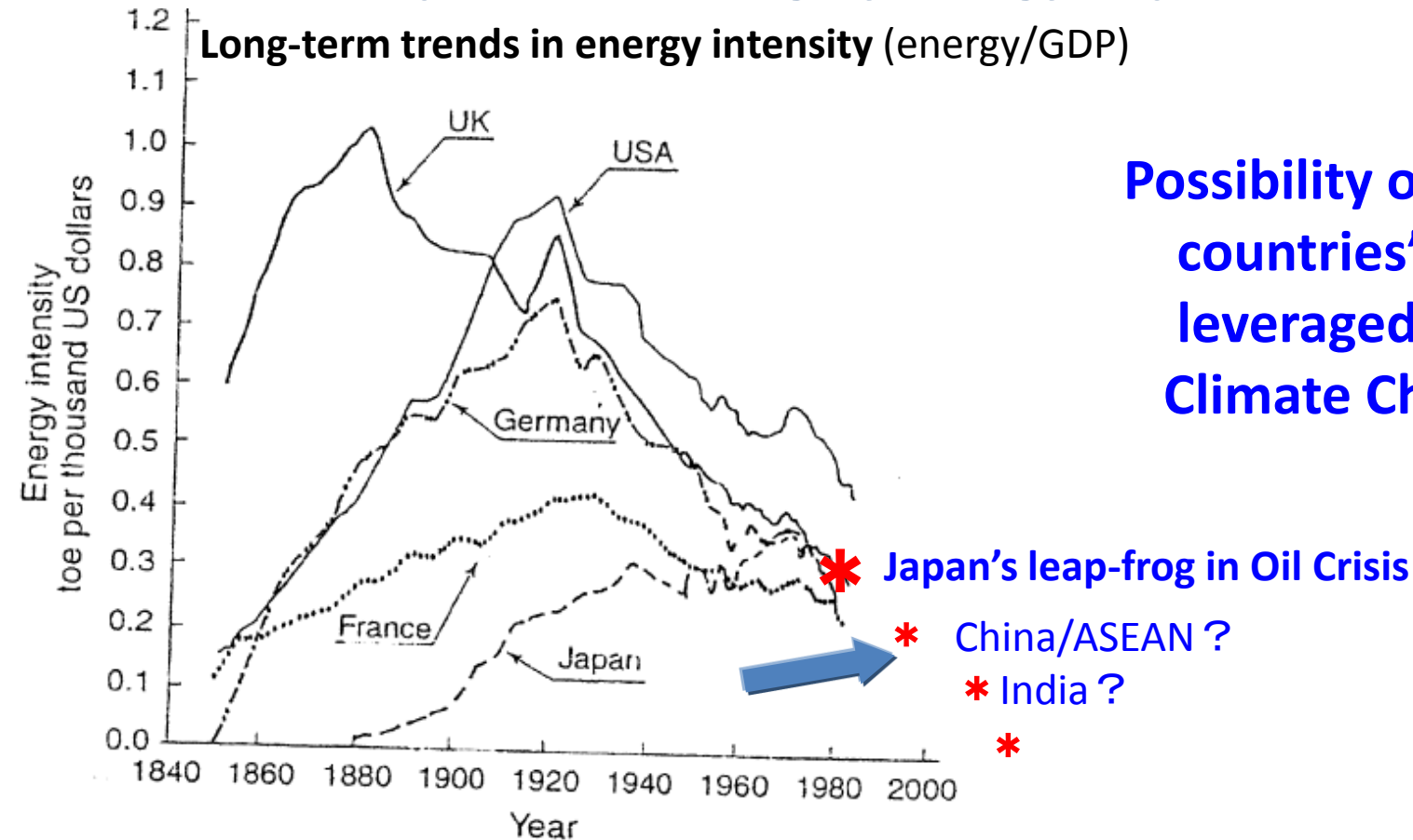
**Chair, Mid/Long-term LCJ Roadmap Subcommittee,
Central Environmental Council of Japan
Secretary General, LoCARNet
Institute for Global Environmental Strategies (IGES)**

80% GHG reduction by 2050



Opportunities for Asia:

Freedom from past track of highly energy-dependent technologies



Possibility of Asian countries' Leapfrog leveraged by Climate Change

- How can we facilitate technological leap-frogging to promote low carbon development?
- What kinds of mechanisms (international/national, market/non market) could facilitate leap-frogging to low carbon technologies?

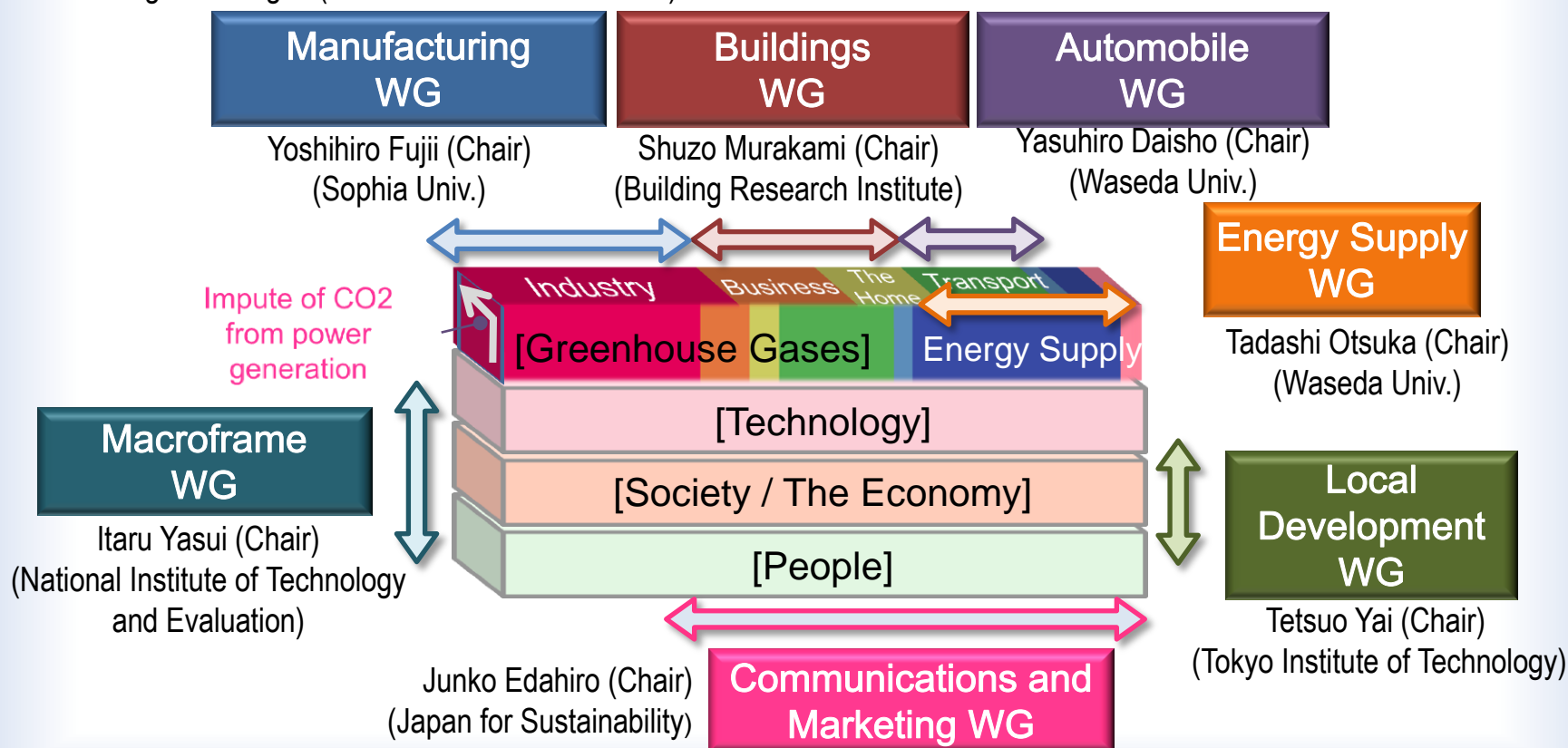
Review Conducted with Cooperation of Multiple Experts & Specialists

Japanese low carbon policy making process involves over 100 experts & specialists from a wide range of fields

Mid- and Long-term Roadmap Subcommittee, Global Environmental Committee, Central Environmental Council

Working Groups for the Mid- and Long-term Roadmap for Global Warming Countermeasures

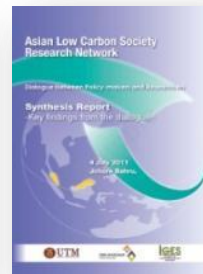
Reviews conducted from a specialist and technological standpoint concerning policies and measures to achieve mid- and long-term targets(101 members / 49 sessions)



LoCARNet: Low Carbon Asia Research Network

An open network of researchers, research organisations, as well as like-minded relevant stakeholders that facilitates the formulation and implementation of science-based policies for low-carbon development in Asia.

Lessons learnt from activities and outcomes from dialogues between Researchers and Policy-makers in Asia



Synthesis Reports: <http://lcs-rnet.org/publications/index.html>



2012 October in Thailand (LoCARNet 1st Annual Meeting)

Seven priority topics were discussed: “policy-making processes and use of integrated assessment models”; “land use and forestry”; “GHG inventories as bases”; “low-carbon cities”; “local level practices/ decisions / initiatives”; “institutionalisation of low-carbon green growth”; and “technology for leapfrogging”.

Join us! They need your wisdom!



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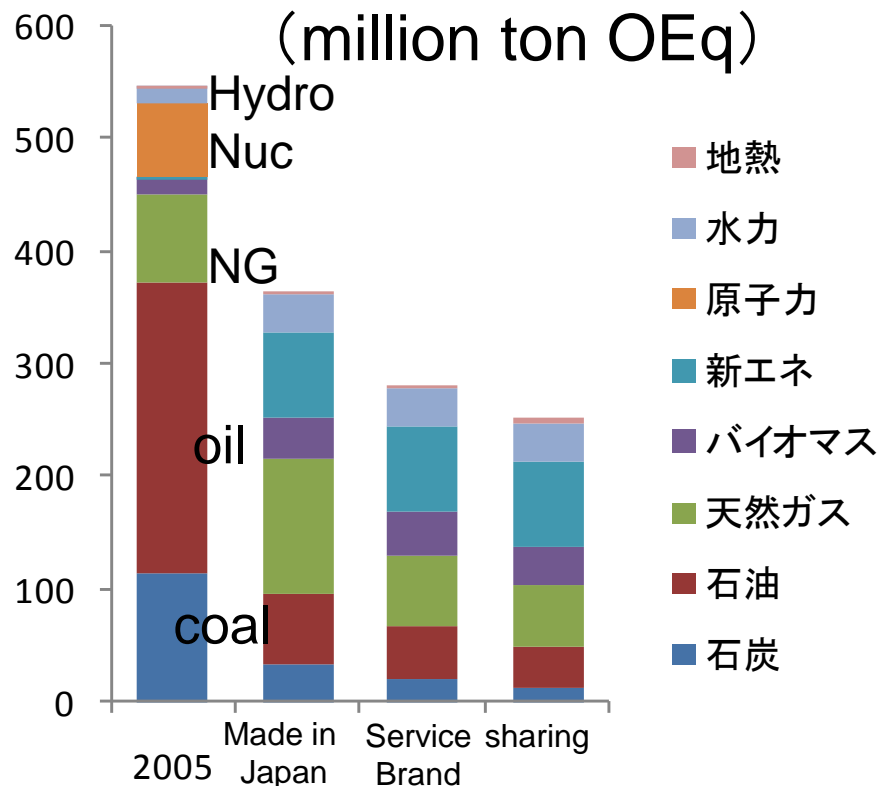
<http://lcs-rnet.org/index.html> E-mail: lcs-rnet@iges.or.jp

Possibility on 80% reduction in 2050

Without nuclear, we have to depend much on renewable energy and CCS (Carbon Dioxide Capture and Storage).

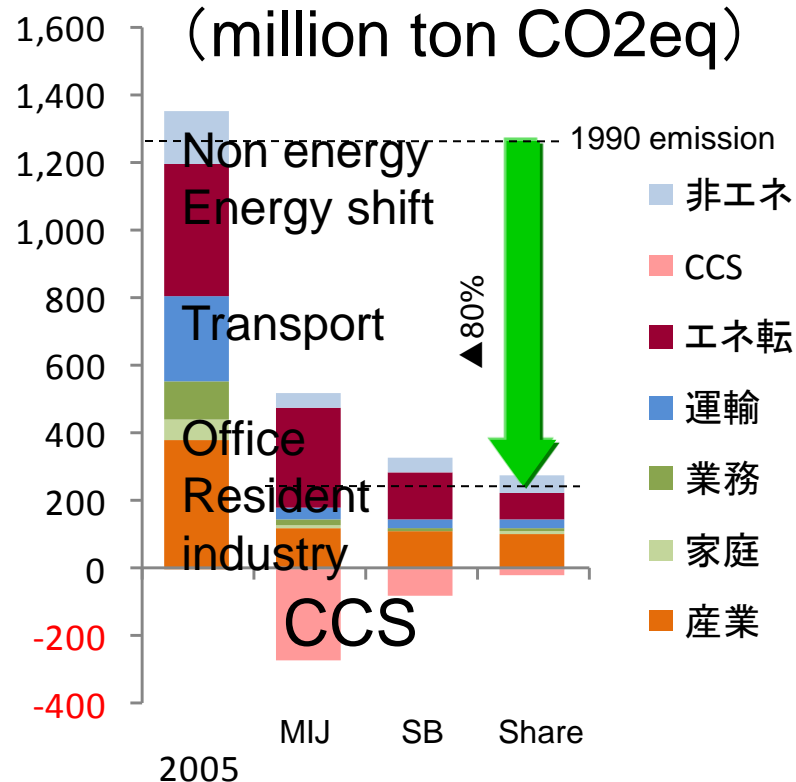
Possibility depend on how we design Japanese future. Service oriented society can achieve 80% reduction with domestic CCS but industry oriented society needs foreign CCS

Primary energy supply (million ton OEq)



Vision of Society in 2050

GHG emission (million ton CO2eq)



Vision of Society in 2050

Formulation of low-carbon society/ growth policies

Formulation of low-carbon growth policies is step-by-step process from data collection, knowledge sharing, Identification of tools and methods, to implementation and review.

