Effective actor configuration is indispensable (IO/Science/Business/NGO/State)

Roots for Tech Transfer	Public Sector (state)	Private Sector	Community
Human mobility across borders	−	+++	−
FDI	+	+++	−
Foreign stock investment	+	++	+
Official assistance program	+++	−	++
Joint venture	+	+++	−
Licensing	++	+++	−
Roan	++	+++	−
Meeting, workshop, etc.	+	−	+++
NGOs	+	−	+++
Papers (journal, book, etc)	+	+	+++
Exchange of goods and services (incl. export import)	+	+++	−

Source. Karakosta, Charikleia, Haris Doukas and John Psarras(2010), p.1548

Current Institutional Fragmentation on Low-carbon Technology

Need to secure environmental and sustainability concerns

Option 1: Enhance authority…Create a UN High Commission on Environmental and Energy

Option 2: Authoritative evaluation of partnerships in terms of sustainability

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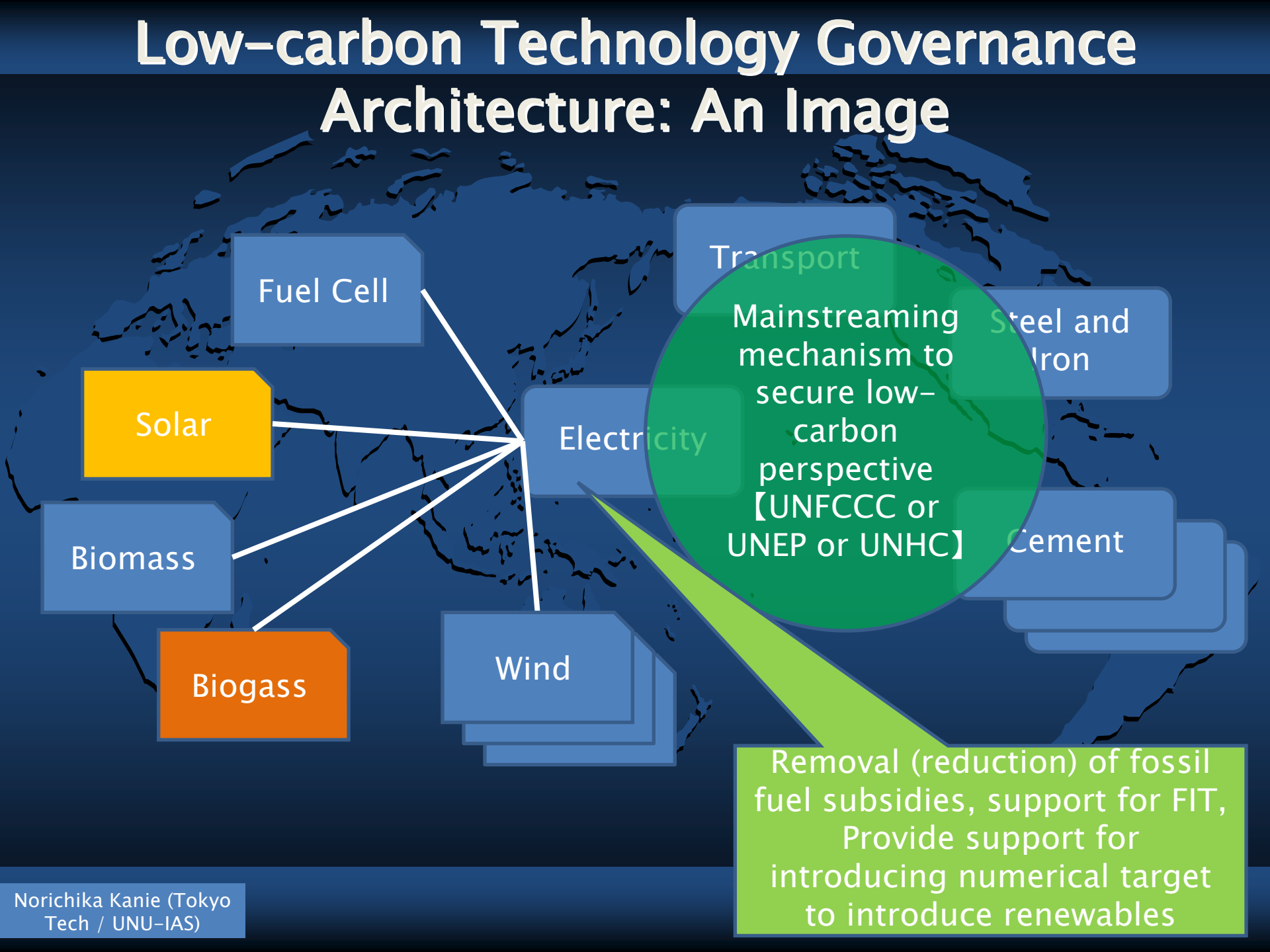
A Role for Japan

- Rio+20 brings an opportunity for a new governance architecture (IFSD as a main issue)
- Diffused electricity system brings benefits to Japan
  - Renewable energy (solar, wind, biomass, geothermal, etc.) + fuel cell + smart grid
  - Resilient and robust against disaster
- Sharing interests and benefits with developing countries
  - Scientific evidence on the effectiveness of diffused and autonomous governance in developing countries
  - Leapfrog towards low-carbon development / green economy
  - Application of indigenous knowledge
  - Empowerment of civil society actors (esp. poor people)
- Develop domestic (business and policy) models, sell them abroad
  - Domestic policy and external (foreign) policy should be linked up STRATEGICALLY

Low-carbon Technology Governance Architecture: An Image



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