ISAP2014 Low Carbon,Resilient and Inclusive Development(2014.07.23)



From Climate Change to Sustainable Society

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Recognition of the limit of the Earth



- Finite character of the Earth
- Limits to Growth
- Spaceship Earth

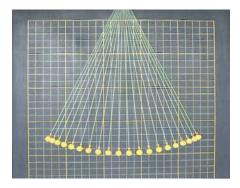






Under a limited environment,

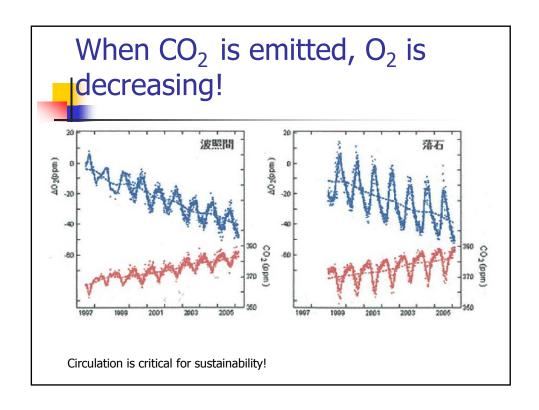
- One possible way of sustainable movement is
- A cycle or
- an oscillation

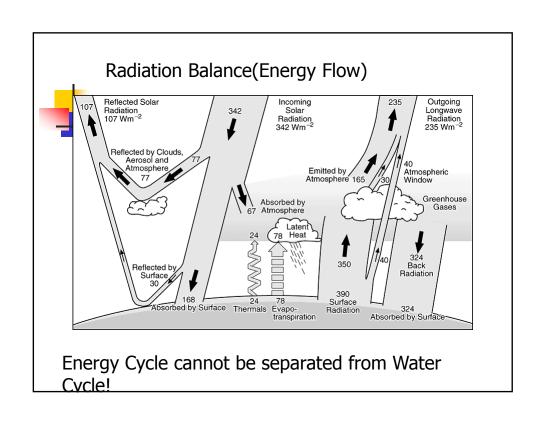




In our environment, many cycles

- Energy Cycle
- Water Cycle
- Carbon Cycle
- Nitorgen Cycle
- Materials Cycle etc.
- Many Cycles!

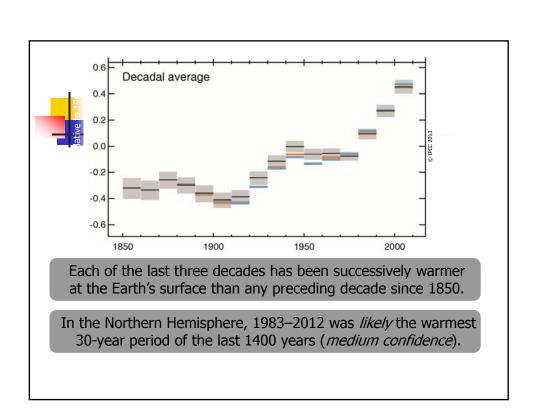


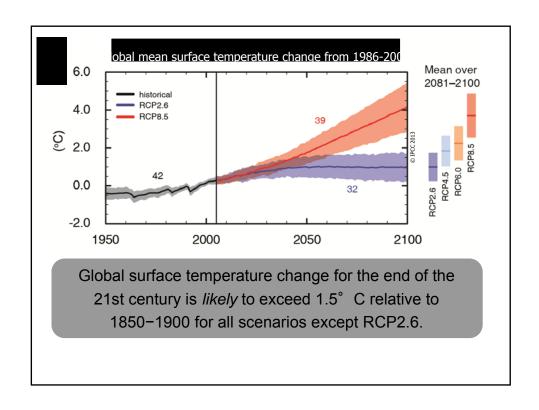


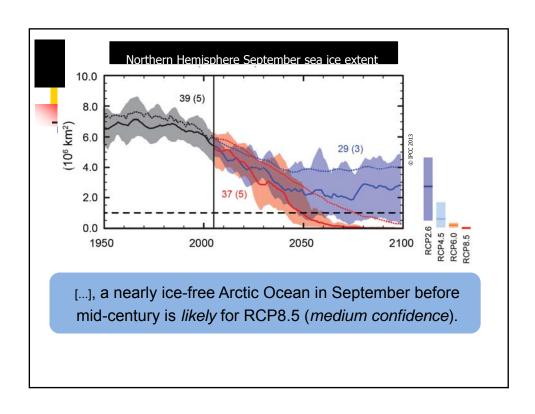


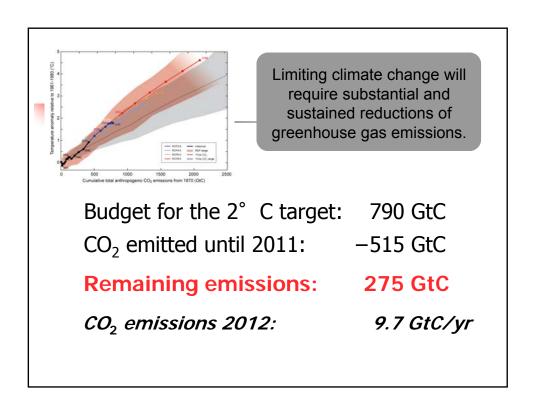
Global Warming

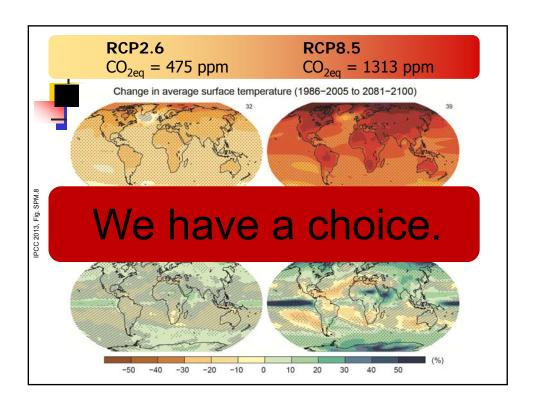
- Perturbation to the Earth Radiation Budget
- As a result, our climate is changed!













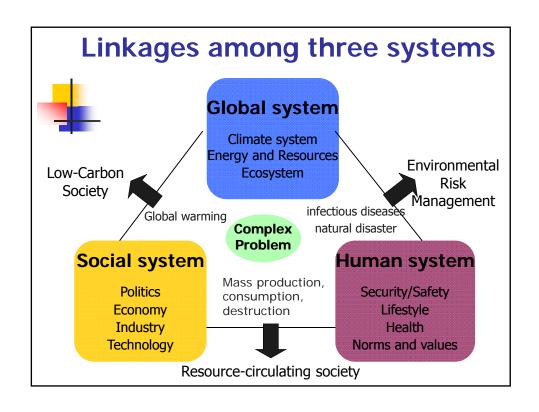
Now is a time to take actions!

- Generally it is acceptable, but the details are not!
- Many stakeholders
- There are many excuses for not-taking actions
- Different values
- Diverse interests
- Consensus Building

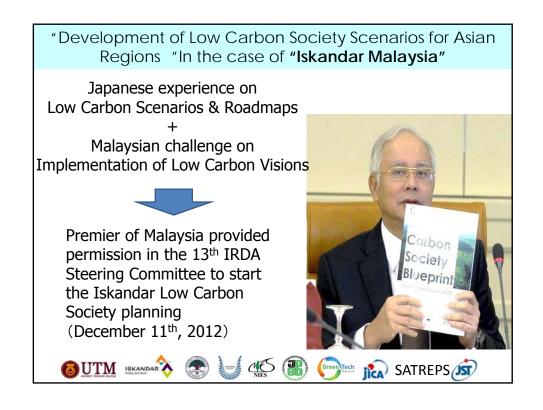


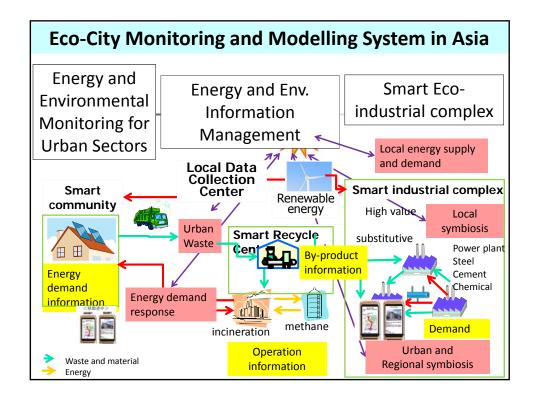
Win-win relationship

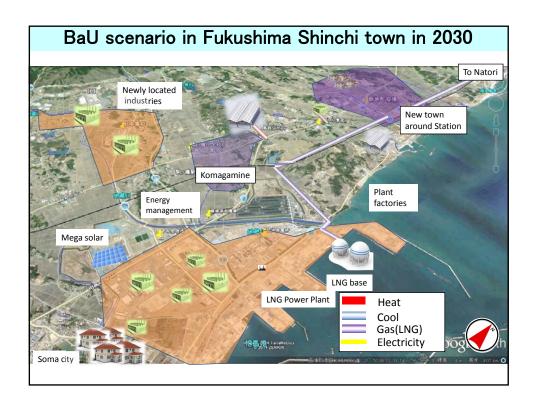
- Vision of the Future Society
- Low Carbon Society
- Material Cycle Society
- Nature-friendly Society
- Integration of Three Society+Safety

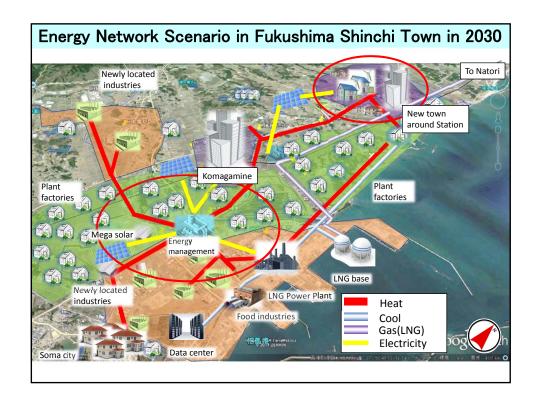


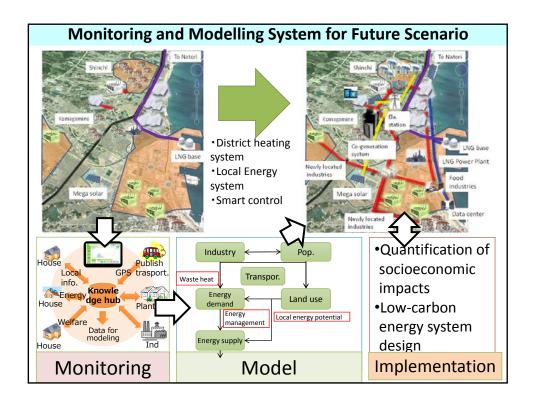














Commonness and Diversity

- Globalization and local/regional character
- Value
- Quality of life
- Tolerance and mutual respect



We need

- Sharing knowledge and information
- Modeling is critical
- Accessbility and accountability
- Again, Tolerance



Thank you!