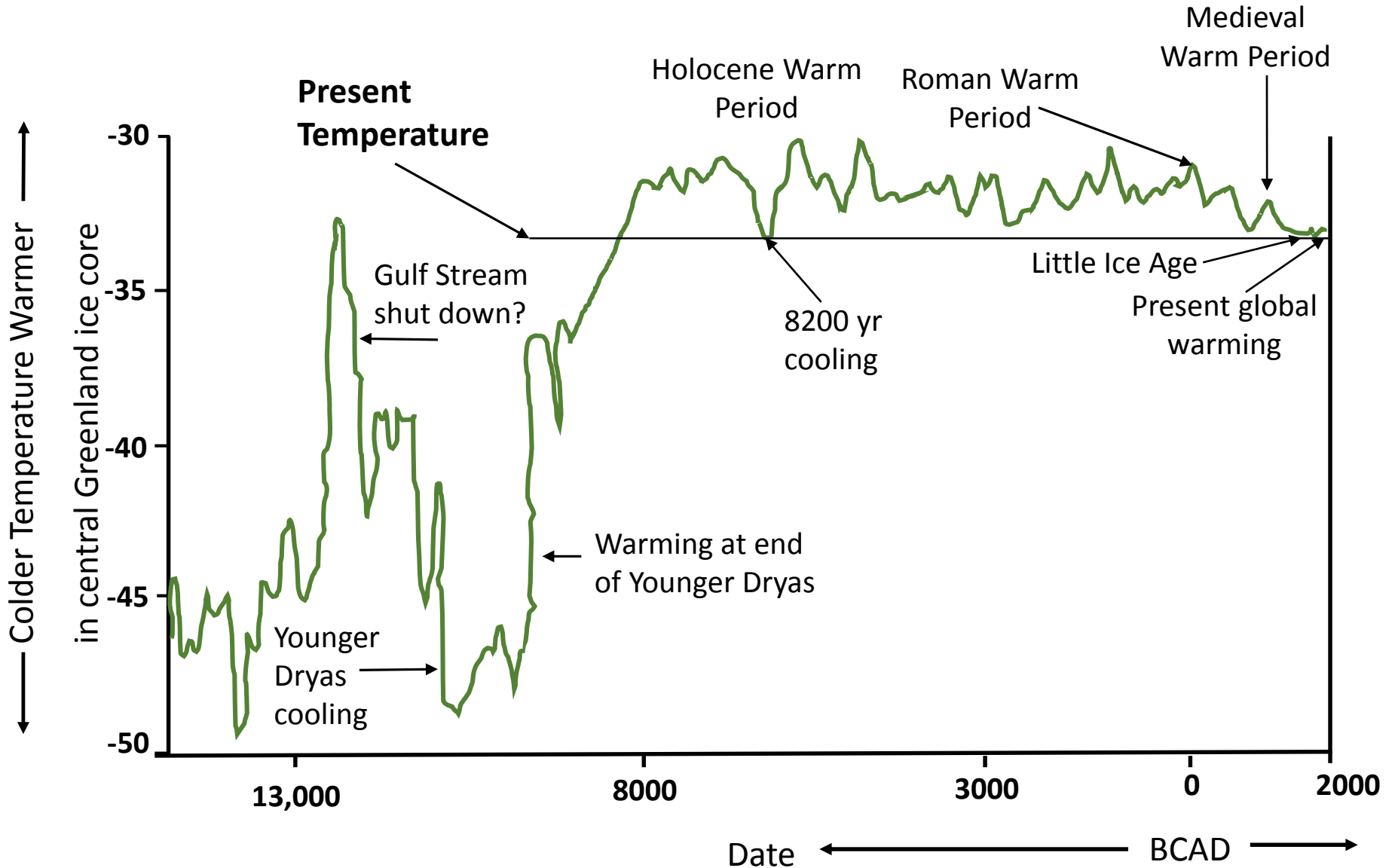


International Collaboration in Climate Change Adaptation for Local Government

Kensuke Fukushi, Martiwi Diah Setiawati, and Marcin
Jarzebski

The University of Tokyo
Japan

TEMPERATURE CURVE LAST FIFTEEN THOUSAND YEARS



From the Central Greenland Ice Core record- <https://www.pressdispensary.co.uk/q991593/images/20k.jpg> (redraw)

Anthropocene

THE GREAT ACCELERATION

SOCIO-ECONOMIC TRENDS



EARTH SYSTEM TRENDS

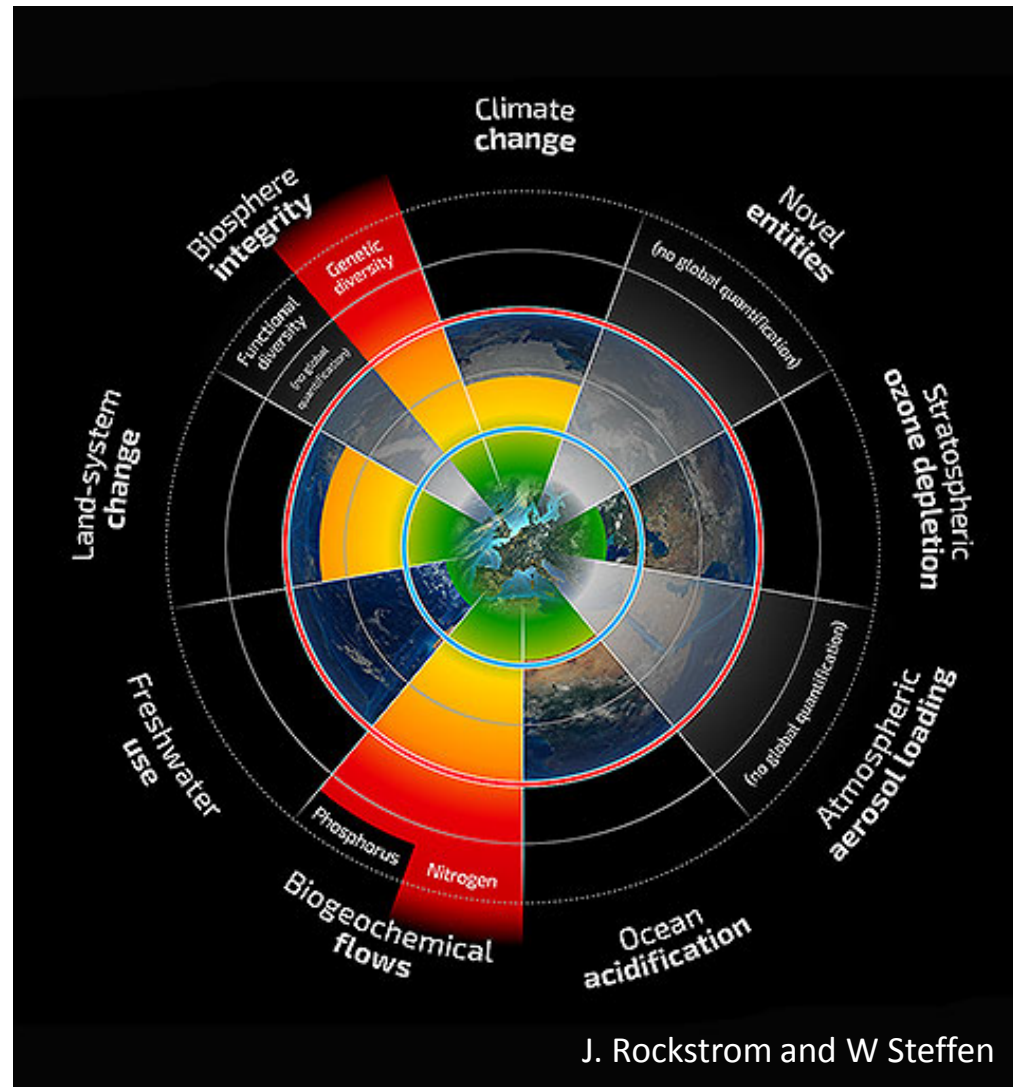


Planetary boundary

- In Anthropocene, not only resource and financial limitation but also we have to consider planetary boundary for our economic activities
- Opportunity (innovation) of (renewable) energy distribution
- Tackle various problems caused by exceeding boundaries



Johan Rockstrom



J. Rockstrom and W Steffen

Two Countermeasures to Climate Change

Mitigation

A measure for reducing GHG emission to avoid “Unmanageable”

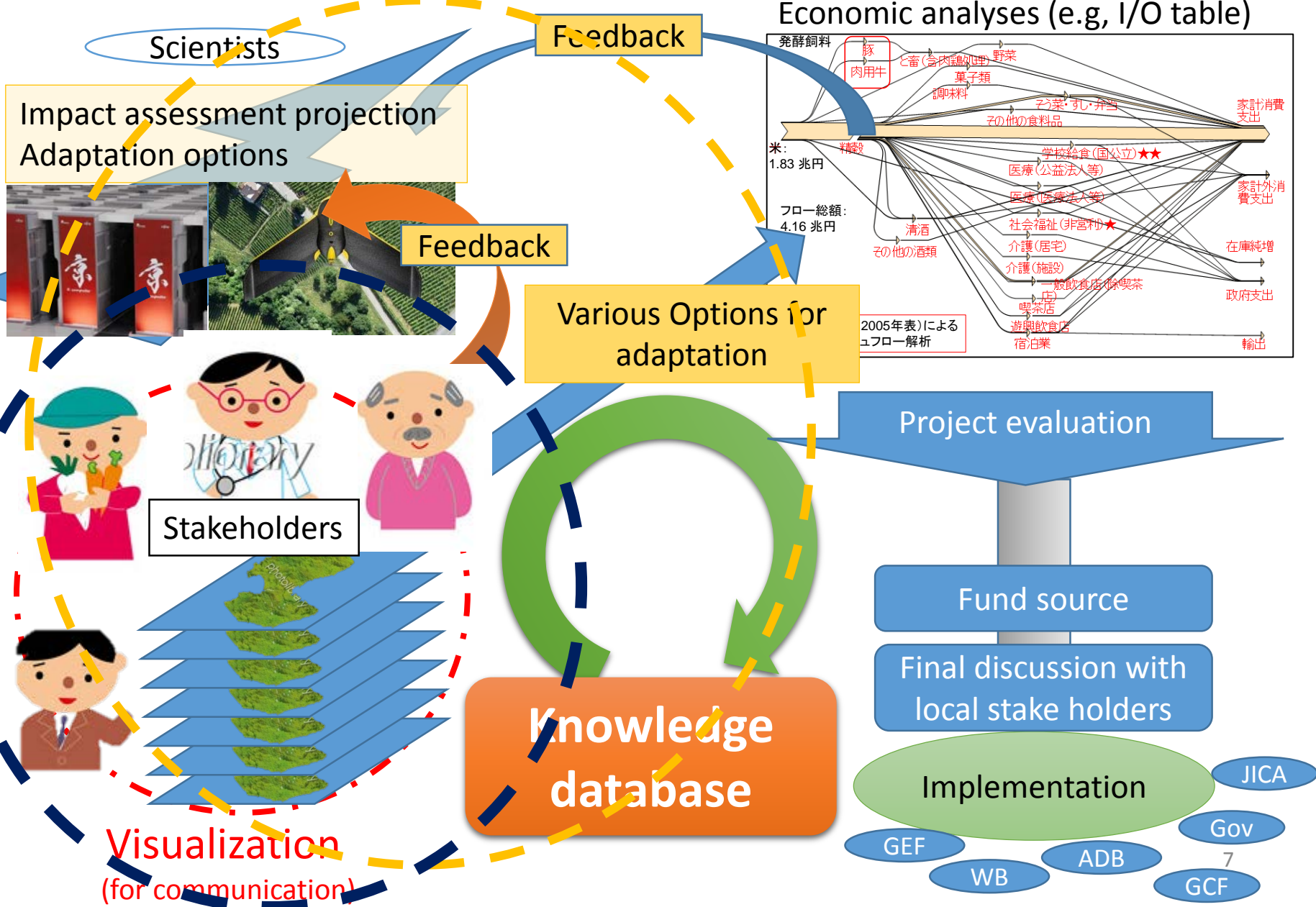
Adaptation

A measure fore increasing preparedness for “Unavoidable”

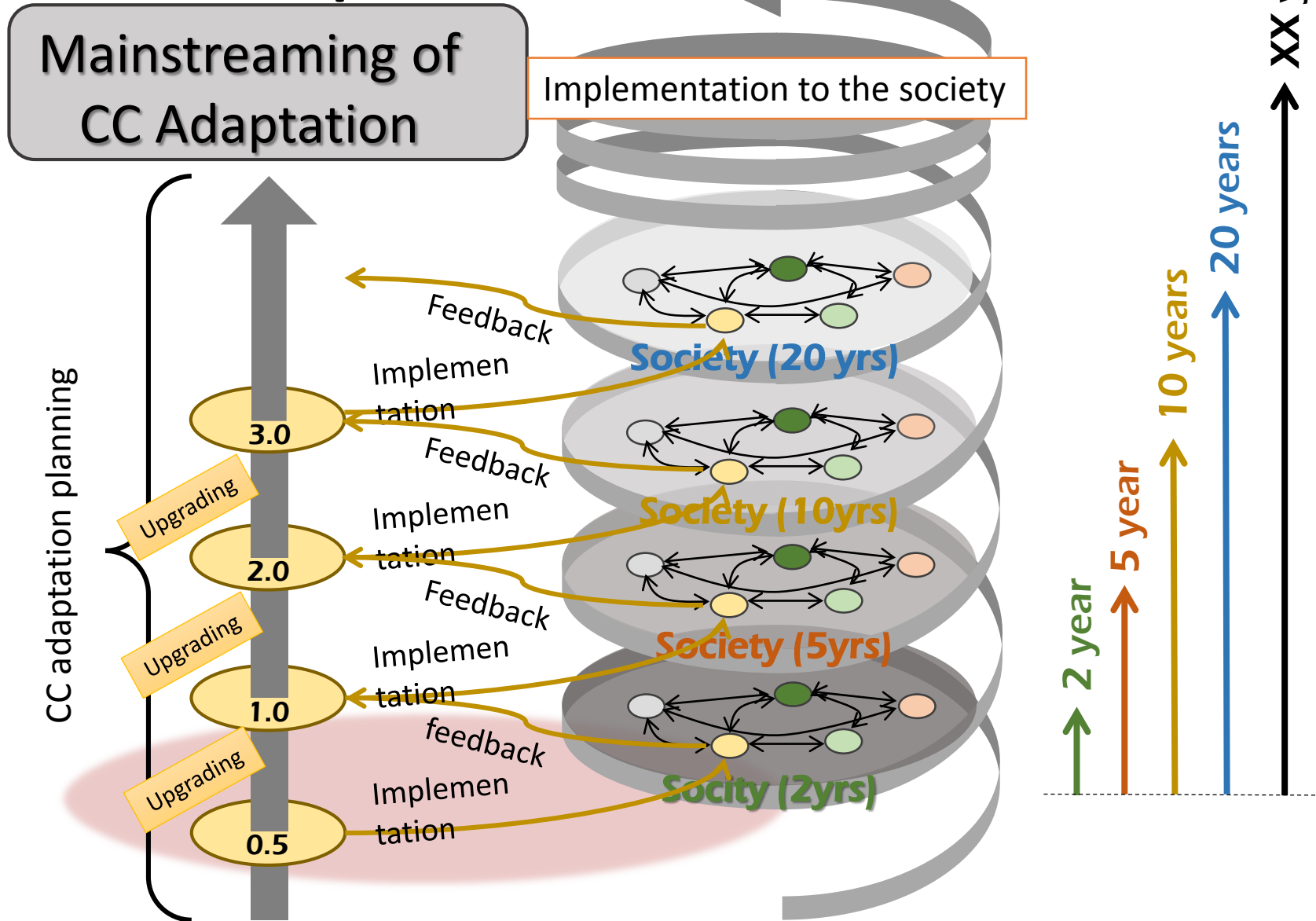
Climate change adaptation

- To know the future impact
- To know countermeasure against the impact
- To develop a climate-resilient society

Co-design and co-production on climate change adaptation process



Process of mainstreaming of CC adaptation in local development



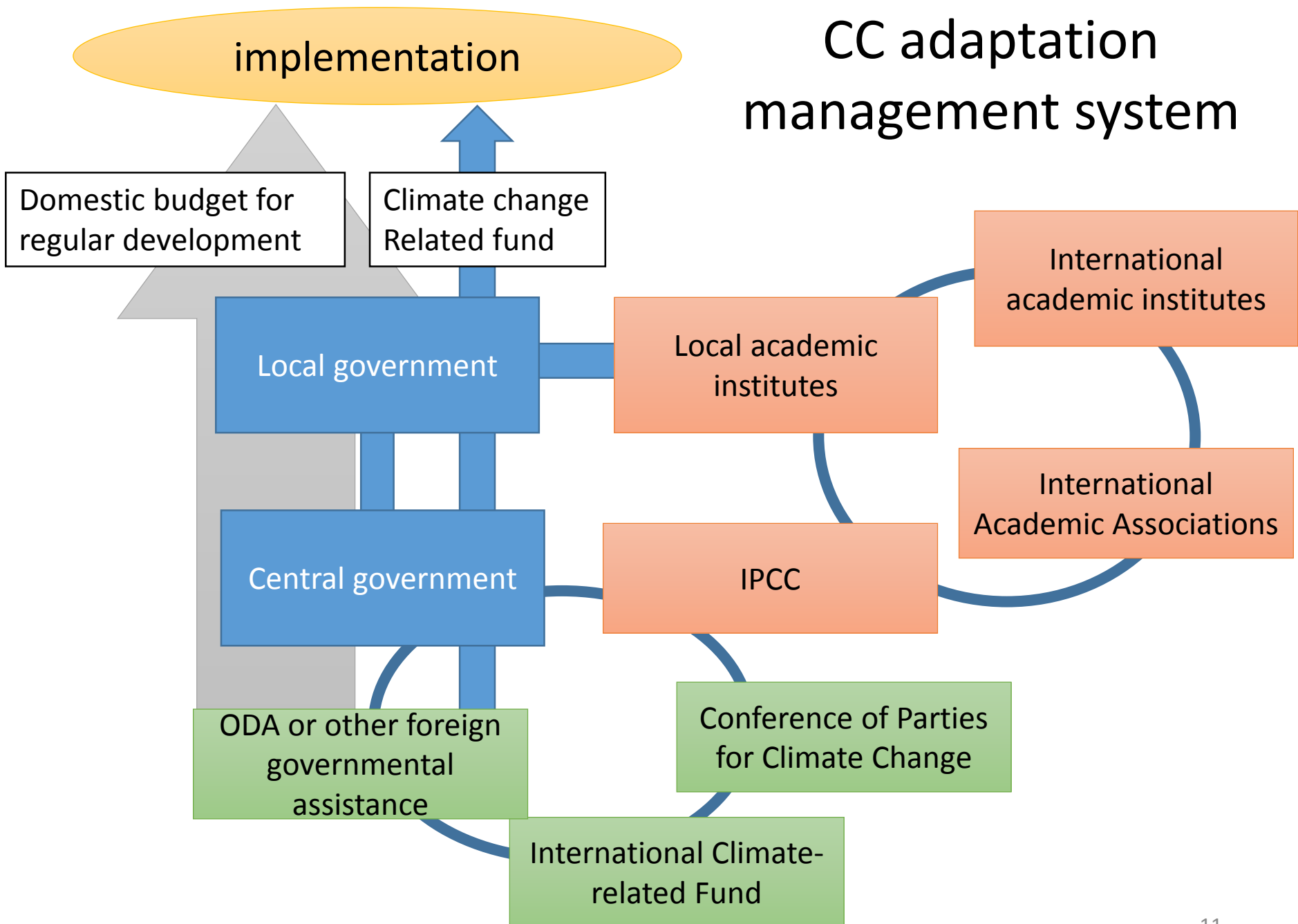
Climate change adaptation initiative

- Conducted in Indonesia and Vietnam
- Leadership of Ministry of the Environment, Japan
- Cooperation of representative governmental counterpart in each country (BAPPENAS and MoNRE for Indonesia and Vietnam, respectively)
- Mainstreaming of CC adaptation in local policy and assisting capacity development
-

Mainstreaming of CC adaptation in the local policy (example in Indonesia)

- Description of CC adaptation in provincial development plan (RPJMD)
- Develop team(s) to promote implementation plan (simulation)
 - Local government (BAPPEDA and related agencies)
 - Local experts with international/central experts
 - Stakeholder group

CC adaptation management system



Sustainability in Anthropocene

- The Master said: “At fifteen my heart was set on learning; at thirty I stood firm; at forty I was unperturbed; at fifty I knew the mandate of heaven; at sixty my ear was obedient; at seventy I could follow my heart's desire without transgressing the norm.” (from the Analects of Confucius)

