

3E Nexus Initiative for Sustainable Development in Asia

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International Context on Sustainable Development

Major outcome of Paris Agreement

- ❑ To keep the rise in global temperatures “well below” 2° C compared to pre-industrial times, while striving to limit them even more, to 1.5 degrees.
- ❑ First universal climate agreement, with all countries expected to pitch in.
- ❑ Developed nations to give \$100 billion annually to developing countries by 2020. This would help these poorer countries combat climate change and foster greener economies.
- ❑ Publishing greenhouse gas reduction targets should be greater than the current one and ‘reflect highest possible ambition’; reviewed and revised every five year starting in 2023.
- ❑ Carbon neutral world sometime after 2050 but before 2100.

- ❑ The SDGs, adopted in September 2015, cover a wide range of sustainability issues including the ending of poverty and hunger, improvement of health and education, enhancing of sustainability of cities, dealing with climate change, conservation of oceans and forests, etc.
- ❑ 6 key elements to achieve the SDGs are: people, planet, dignity, prosperity, justice and partnership.
- ❑ The SDGs are more people-centred, planet-sensitive and adopt a holistic approach stressing the measurability of progress and impacts.
- ❑ SD is supported by environmental, social and economic aspects, and is established through striking a balance in achieving environmental protection, economic growth and social equity.

“[Transforming our world: the 2030 Agenda for Sustainable Development](#)”, in particular its **goal 13**, were adopted by the [United Nations General Assembly resolution A/RES/70/1](#).

- ❖ Climate change represents an urgent and potentially irreversible threat to human societies and the planet and thus requires the widest possible cooperation by all countries.

Key indicators in achieving SDG



Source: United Nations



Sustainable Development

 **SUSTAINABLE DEVELOPMENT GOALS**



17 goals
169 associated targets
Indicators to be decided in March 2016

Future Earth Strategic Research Agenda

A Dynamic Planet

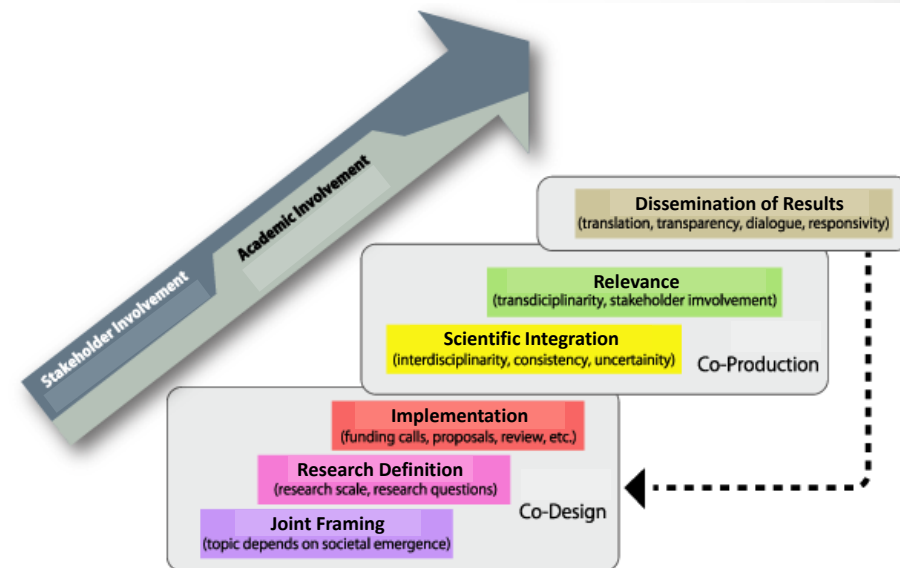
- a1 Observing and attributing change
- a2 Understanding processes, interactions, risks and thresholds
- a3 Exploring and predicting futures

B Global Sustainable Development

- b1 Meeting basic needs and overcoming inequalities
- b2 Governing sustainable development
- b3 Managing growth, synergies and trade-offs

C Transformations towards Sustainability

- c1 Understanding and evaluating transformations
- c2 Identifying and promoting sustainable behaviours
- c3 Transforming development pathways



Future Earth (2014) Future Earth Strategic Research Agenda 2014. Paris: International Council for Science (ICSU)

Integration of Four Dimensions of Sustainable Development



INDC, JCM High-Level Meeting at COP21 link with 3E Nexus Initiative

Intended Nationally Determined Contribution

INDC to reduce greenhouse gas emissions by 2025-2030 in order to mitigate global warming.

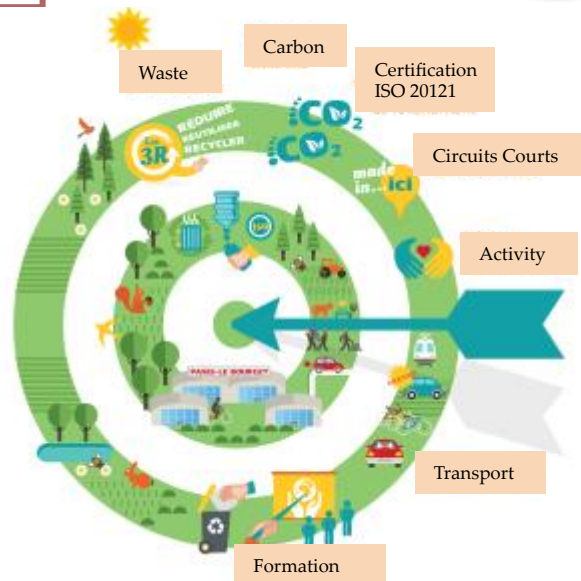
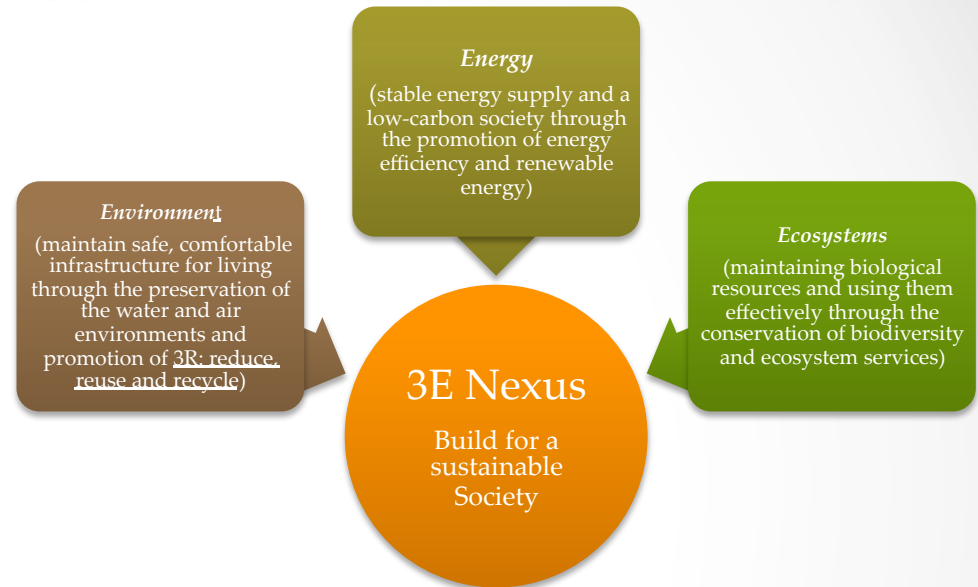
High-level meeting at COP21 on JCM



Source: Ministry of the Environment of Japan

Discussion on progress in the JCM and shared their continuous will to further implement the JCM through mutual cooperation.

3E Nexus Framework

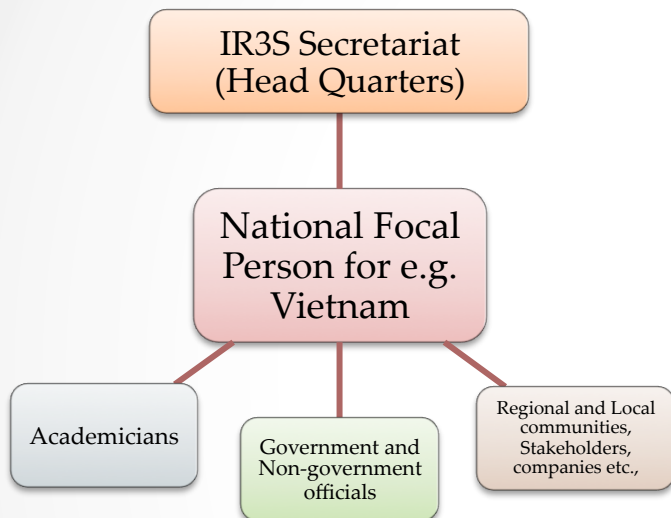


The 3 Rs of COP21

- Reduce (Consumption of resources)
- Reuse (Products)
- Recycle (Waste)

National Focal Person(NFP) Activities for Sustainable Development

NFP Framework



National Focal Person (NFP) is to establish the research network/domestic network in the member countries (Bangladesh, Indonesia, Laos PDR, Mongolia, and Vietnam)



For Instance, NFP meetings at Vietnam and Mongolia in 2015

NFP meeting at Bandung, Indonesia, 2015

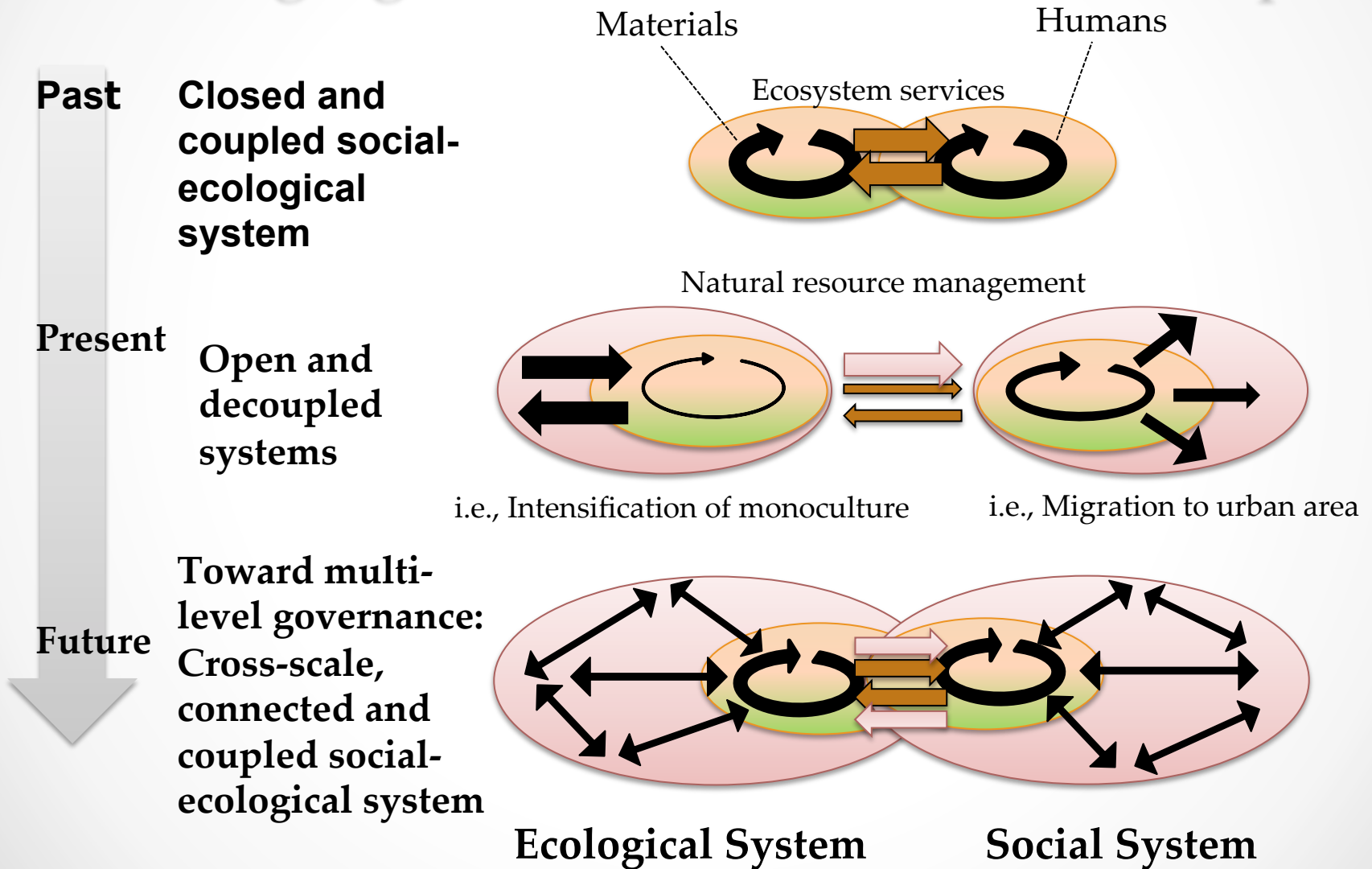


Importance of NFP

Capacity building activities such as trainings and workshop on **Joint Credit Mechanism (JCM)** of advanced technologies for low carbon societies.

Excellent platform to establish and extend the network within the country and to promote JCM materials, trainings on **Measurements Reporting and Verification (MRV)** methodologies, and exchange knowledge within this NFP Network.

Changing Human-Nature Relationship



Sound Social- Ecological and Material-Cycling Sphere



Thank You For Your
Attention