

STI Road Maps and the Circulating and Ecological Economy



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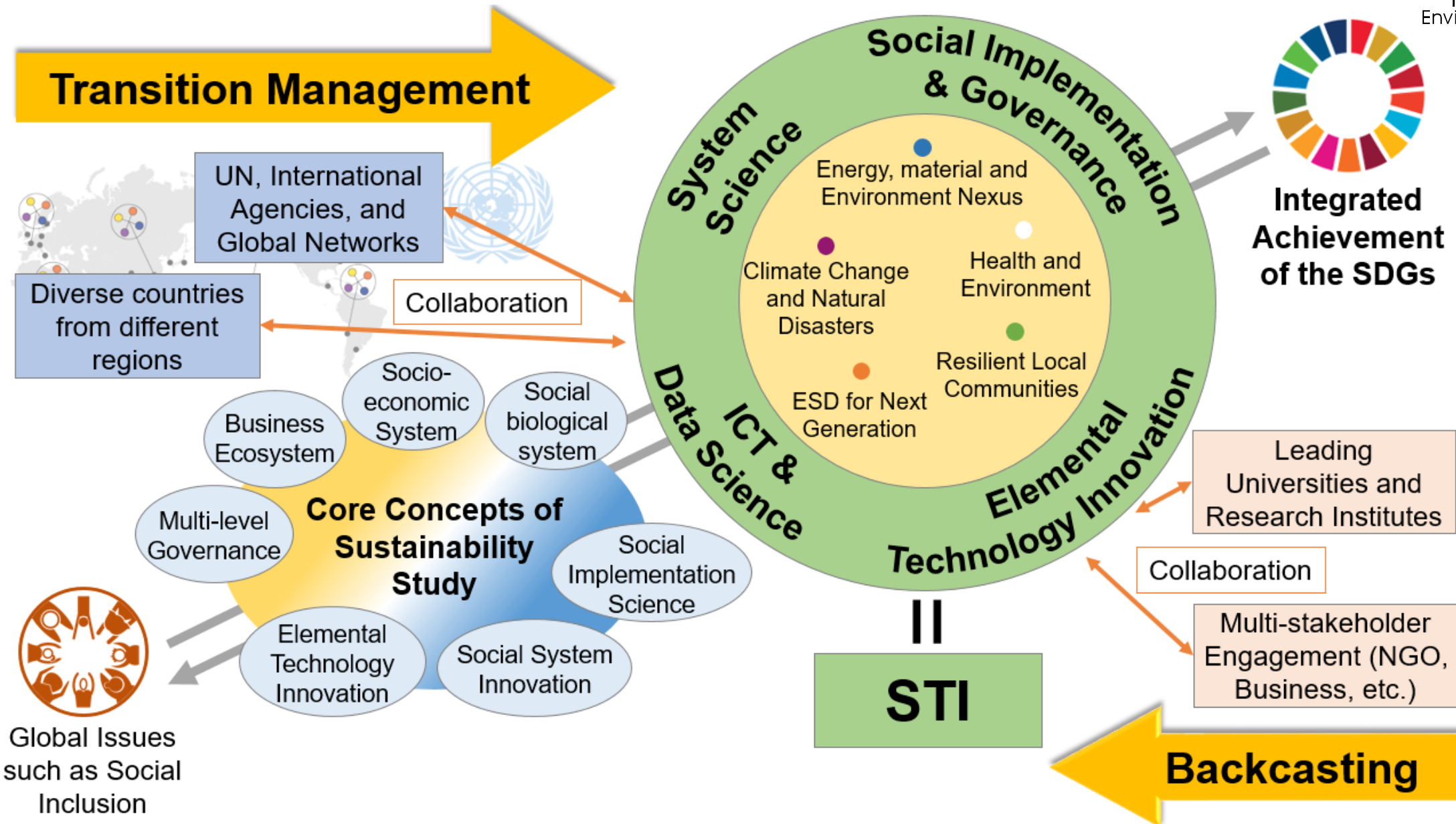
President, Institute for Global Environmental Strategies (IGES)
Chair, Central Environment Council, Government of Japan
Vice-President, Science Council of Japan

Report of the STI Forum
At the High Level Political Forum under the Auspices of ECOSOC: 12 July, 2019



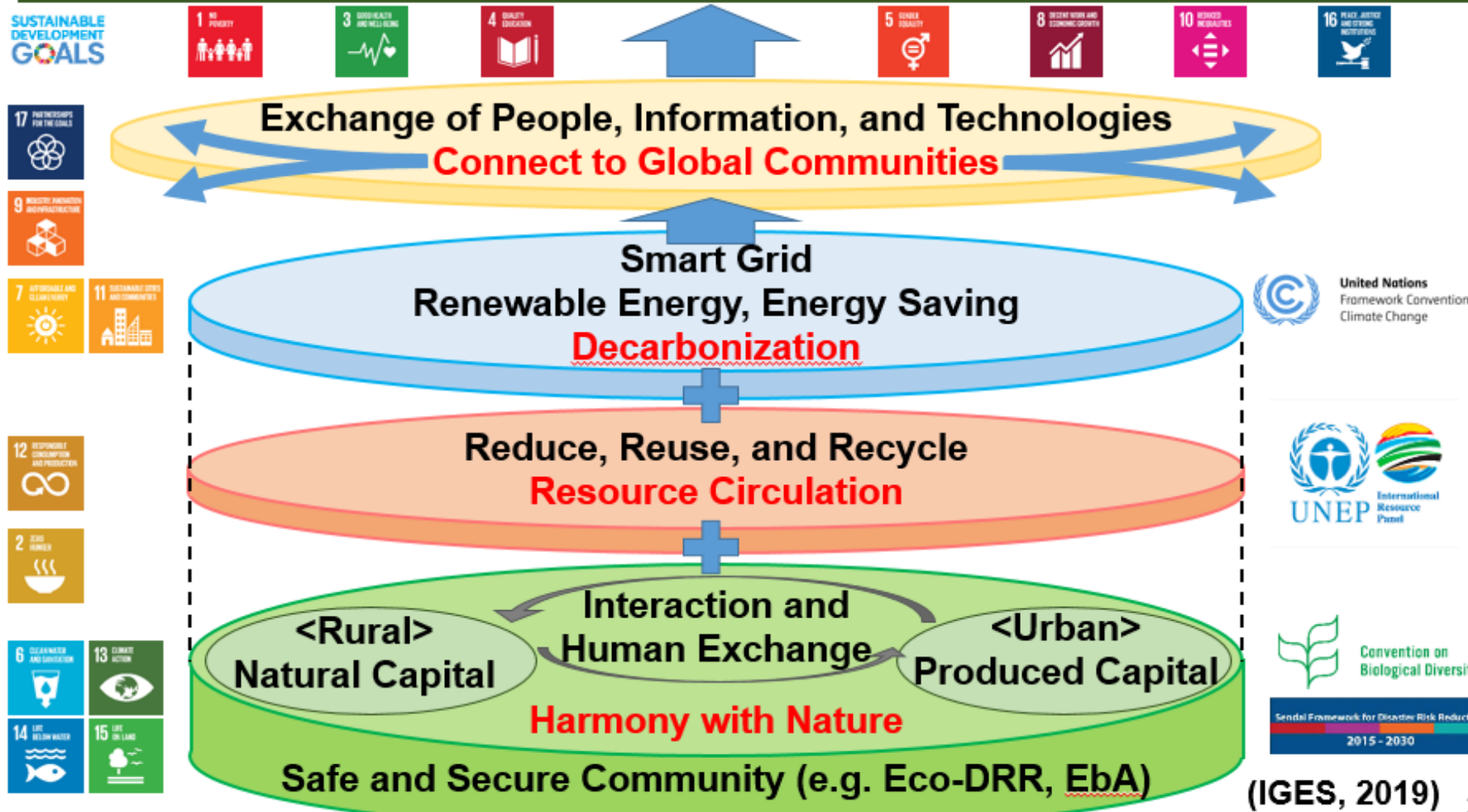
1. Para 27. The challenge is **to design STI policies and instruments** for the SDGs that **translate the universality principle of the Goals into action**, while respecting national science, technology and innovation priorities and realities....
2. Para 36. STI road maps to achieve the Goals need to be **customized to fit the circumstances within countries** and, at the same time, **be harmonized worldwide** as a means to structure the necessary knowledge and match problems with solutions. & Para 37. Main elements of the implementation of the road maps include the **localizing, mobilizing, prioritizing and customizing** of STI.
3. Para 39. Further international support, Member State engagement and partnerships with donors and the private sector will be needed to **fill the critical gaps in data, finance and effective implementation**. & Para 69. **International partnerships** could promote increasing investments in research and development and **in demonstration projects for climate technologies**.

Road Map for Integrated Achievement of the SDGs



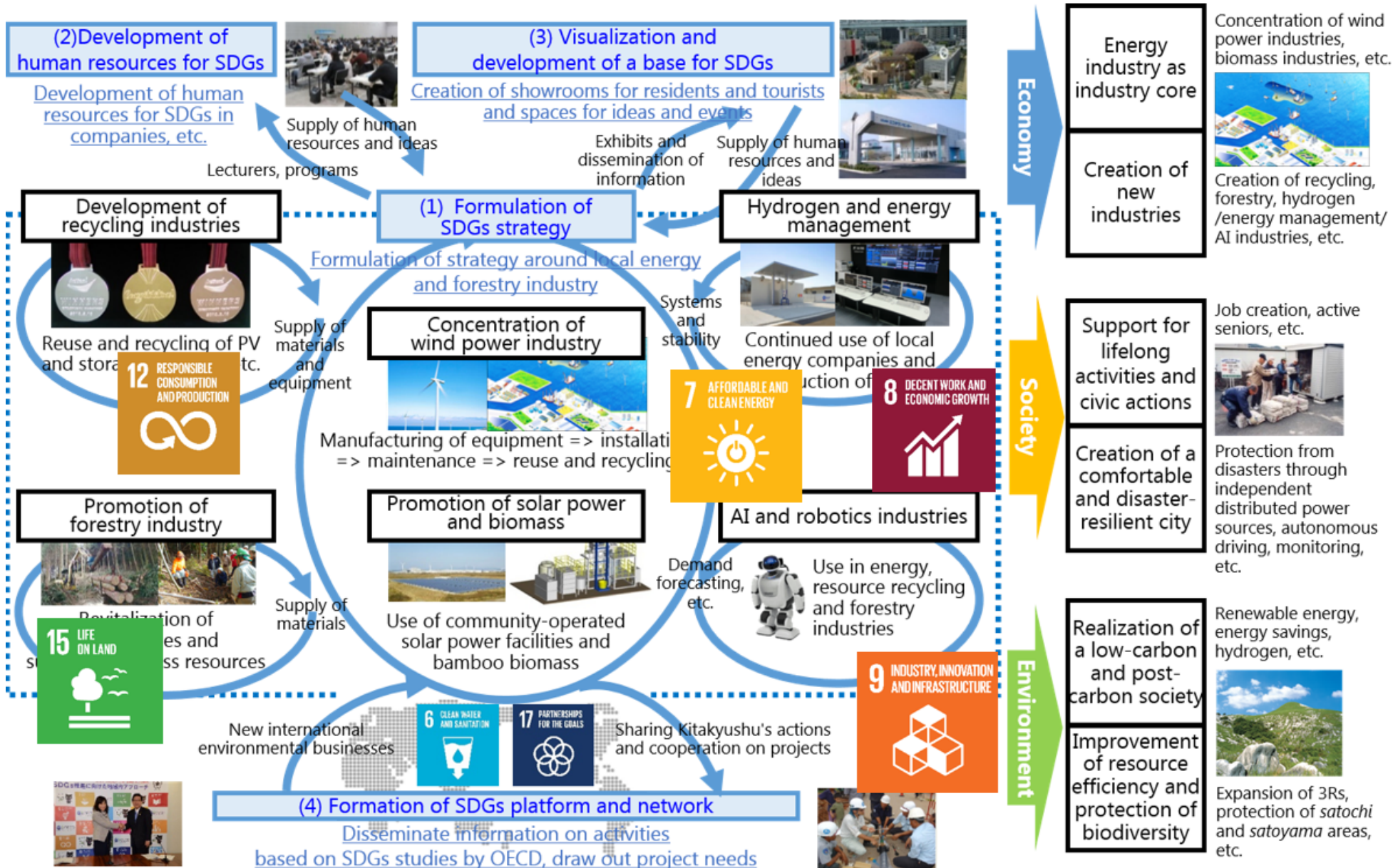
Regional / Local Circulating and Ecological Sphere (CES)

Integration of environmental, economic and social dimensions
Integrated response to declining and aging population, Local revitalization
CES to achieve *integrated solution* for those local issues



(IGES, 2019) 2

Next Generation Local Energy Model for Kitakyushu City



Case Study in Semarang City, Indonesia

U **Semarang's City Resilience Strategy** (CRS): One of its pillars aims to improve the city's **public transport system** by enhancing management and service quality

U Importance of improving transportation: brings **multiple benefits** - mitigation of climate change and environmental pollution; new economic opportunities (jobs, markets); competitive human resource development (schools, social interaction), and others.

U Transformative processes: encouraged by policy-oriented research activities, multi-stakeholder participation to practical actions to **change younger generation's behaviour** and project developments on **Low Carbon Transport system**.

