SDGs and Future Earth

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• International research platform providing knowledge and support to accelerate transformations to a sustainable world

• Scientific integration across natural and social sciences and humanity: Interdisciplinary approach

• Co-creation of knowledge with partners in the society and user of science: Transdisciplinary approach, stakeholder engagement
  - **Co-design**: research planning (incl. theme, methods)
  - **Co-production**: research conduct
  - **Co-delivery**: application of the research products in the society
Future Earth Alliance ➔ Governing Council
Future Earth in numbers

50,000+
Our networks reach 50,000 global sustainability researchers and people interested in this research

>20
National networks established, and many more in progress

8
Knowledge-Action Networks

>20
Global research projects

5
Global Hubs

7
Regional centres and offices
Knowledge-Action Networks

Practical platform to facilitate information exchange, highly integrative sustainability research, aiming to generate the multifaceted knowledge, together with Future Earth projects, external projects and stakeholders in the society

- Water, energy, food nexus
- Decarbonise & adapt
- Natural assets
- Urban
- Health
- Consumption & production
- Ocean
- Transformations
- Finance & Economics
- Emergent risk
- SDGs
Sustainable Development Goals (SDGs)
Sustainable Development Goals (SDGs) Implementation
Guiding Principle

I. Introduction
II. Analysis of the Present Situation
III. Vision and Priority Areas
IV. Major Principles for Implementation
V. Implementation framework
   (1) Governmental system
   (2) Mainstreaming the SDGs
   (3) Cooperation with stakeholders
       close collaboration with stakeholders
       (NGOs and NPOs)
       (Private Companies)
       (Consumers)
       (Local governments)
       (Science community)
       (Labor unions)
   (4) Communication
VI. Follow-up and review

(http://www.kantei.go.jp/jp/singi/sdgs/dai2/siryou1e.pdf)
Science, technology and innovation (STI) is one of the priority areas of the guiding principles and an essential element for the attainment of targets. The Government of Japan will effectively use STI to implement a range of related measures, including enhanced international cooperation, and to solve emerging issues in a swift and flexible manner. It will also strengthen scientific analysis and evidence in setting and monitoring appropriate indicators to achieve the SDGs, analyze synergy and offset effects among the implemented measures, and take actions based on scientific analysis in the follow-up and review process. To this end, the government will foster systematic cooperation and collaboration with the scientific community in Japan as well as international initiatives such as Future Earth.
• Future Earth SDGs KAN will provide common principles and guidelines for evidence-based setting of targets and indicators and monitoring/evaluation.
Earth observation in Support of the Sustainable Development Goals
– The Case of Urban Areas in Asia

Science Council of Japan | 16-18 January 2017
Future Earth Activities in Japan

• Promotion of Future Earth in Japan
  • Leadership by Science Council of Japan (Japanese national academy)
  • Committee for the Promotion of Future Earth – officially delivered recommendations – and several disciplinary Committees also promoting Future Earth from their expertise
  • Developing Japanese Strategic Research Agenda (JSRA) by Co-Design
  • Commitment in the government principles for SDGs
  • Engagement of Private Sectors – co-organized symposium with AEON Co. Ltd.

• Contribution to global Future Earth activities
  • Taking part in the Secretariat – global and regional
  • Hosting Future Earth meetings in November, 2015
  • Japan Consortium to support Global Hub – Japan, currently consisting of 19 members of research institutes, universities, a funder and a local community association, again led by Science Council of Japan
  • National contribution to Future Earth common budget
Next challenges

- Further promotion of Inter- and Trans-disciplinary studies
  - At local, national and global scale
  - With specific and common research agendas
  - Through Knowledge-Action Networks, and with Global Research Projects
- Developing methodologies in scaling up and down from local to global and global to local
- Sharing schemes for knowledge and experiences – both success and failures, among projects
  - via Open Network
- Added values on Future Earth researches and innovation and transformation with the products
- Capacity building on individuals, organizations and systems