Press Conference
President of JST

July 3, 2018

Japan Science and Technology Agency

STI for SDGs
-Global trends and JST's actions-

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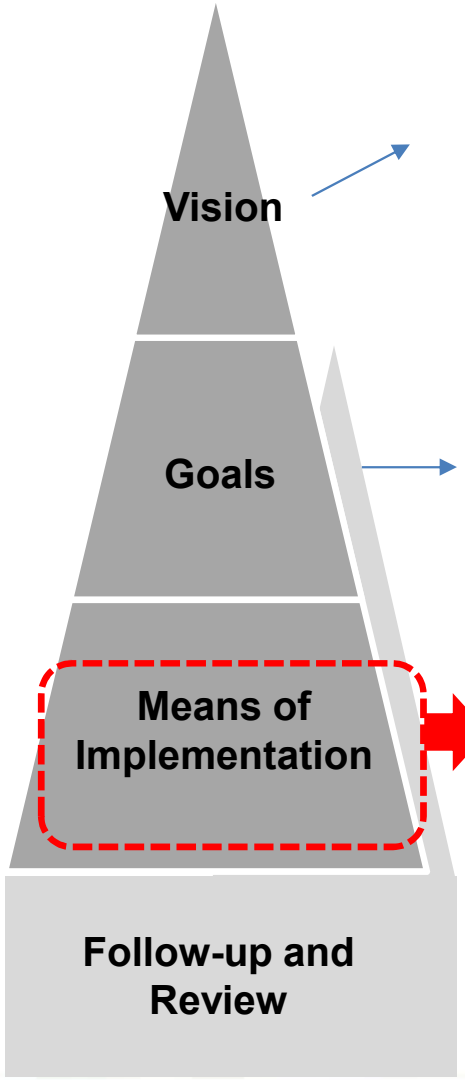
Sustainable Development Goals (SDGs)

“No one left behind”

- Universality (Goals for all Member States)
- Inclusive and interlinked 17 goals and 169 targets
- Multi-stakeholders participation and monitoring progress

http://www.unic.or.jp/activities/economic_social_development/sustainable_development/2030agenda/

STI as a cross sectional tool for realizing SDGs



- People
- Planet
- Prosperity
- Peace
- Partnerships

- 17 Goals, 169 Targets

- Financing for Development
- Science, Technology and Innovation (STI)
- Institutions/capacity building, trade, partnerships, data

- High Level Political Forum
- Global Indicator Framework

Source: Mr. Naoto Kanehira, The World Bank Group

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ESG Investment and SDGs

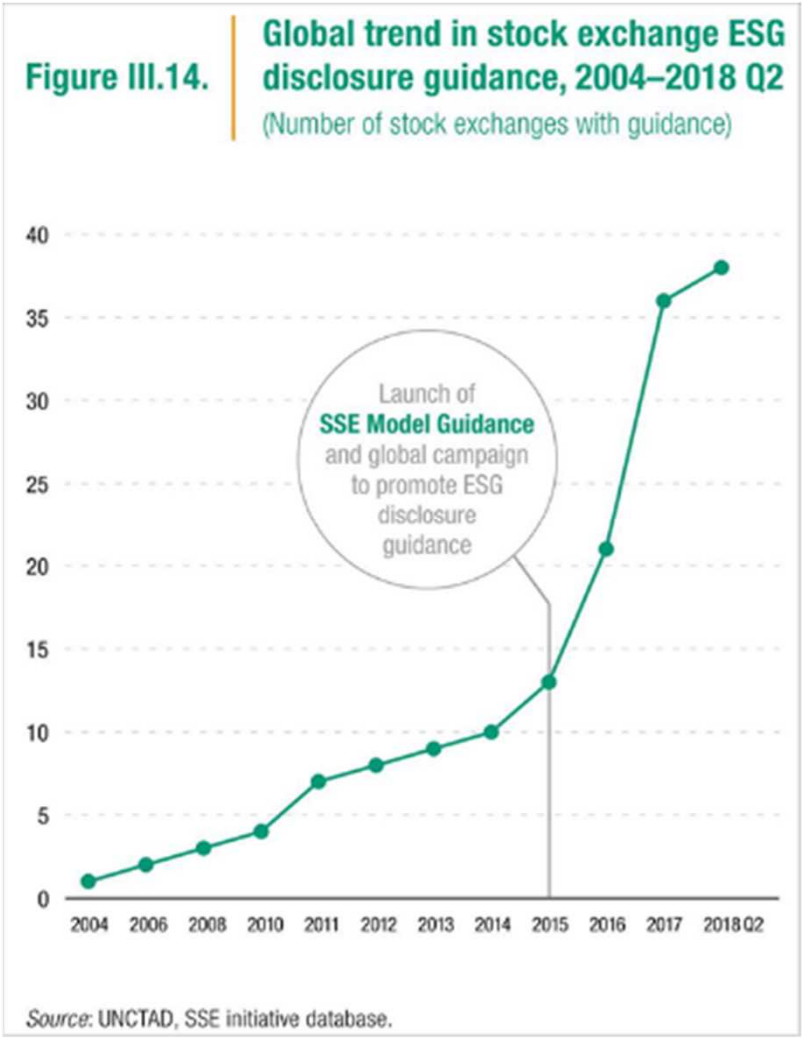
From Corporate Social Responsibility (CSR) to Common Social Value (CSV)

- While estimates for investment needs in developing countries alone range from $3.9 trillion per year, the global foreign direct investment (mainly ODA) is about $ 1.4 trillion per year. (ref. The World Investment Report 2014)
- Businesses “could unlock at least $12 trillion in market opportunities by 2030 and create up to 380 million jobs by implementing a few key development goals, according to a study by a group including global business and finance leaders.”*
- Estimate for business market scale related to the SDGs could be ranged from 70 to 800 trillion yen by each goal. **

➢ Increase in the ESG factors taken into account for private investment, as more engagement of private sectors for achieving the SDGs is expected.

➢ “GPIF selected three ESG indices for Japanese equities and commenced passive investment tracking those indices”, which “initially accounts for 3% of Japanese equity portfolio (about 1 trillion yen).”

(REF: http://www.gpif.go.jp/en/topics/pdf/20170703_esg_selection_en.pdf)



* Reuters : https://www.reuters.com/article/us-davos-meeting-development/businesses-can-unlock-12-trillion-via-key-development-goals-davos-study-idUSKBN1500D6

**Report from Deloitte Tohmatsu Group (Deloitte Japan)

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Society 5.0 and SDGs

Prepared by Cabinet Office : http://www8.cao.go.jp/cstp/kihonkeikaku/index5.html

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Dr. Michiharu Nakamura, was appointed by UN Secretary-General António Guterres to a “10-member Group”

“Any experiences and lessons learnt are valuable and should be mutually shared. This STI forum is a valuable venue, where we think and discuss what are the key elements or common logic that could be applied for others. STI for SDGs Roadmaps at national and sub-national levels could be powerful communication tools to orchestrate multi-stakeholders’ efforts, overcoming political and disciplinary silos to solve real issues.”

Greeting to the member states at the third STI forum at the UN in NY (June 5, 2018)

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UN IATT-STI 10 Member Group (2018-2019) Members

SUSTAINABLE DEVELOPMENT KNOWLEDGE PLATFORM

HOME | HIGH-LEVEL POLITICAL FORUM | STATES | SIDS | SDGS | TOPICS | UN SYSTEM | STAKEHOLDER ENGAGEMENT | PARTNERSHIPS | RESOURCES | ABOUT

Dr. Paulo Gadelha (Brazil), Coordinator of the FIOCRUZ Strategy for the 2030 Agenda, Oswaldo Cruz Foundation (FIOCRUZ)

Prof. Huodong Guo (China), President and Chairman, Institute of Remote Sensing and Digital Earth of the Chinese Academy of Sciences (CAS)

Dr. Heide Hackmann (South Africa), Executive Director, International Council for Science (ICSU)

Dr. Agnes Lawrence Kijazi (United Republic of Tanzania), Director General, Tanzania Meteorological Agency (TMA)

Mr. José Ramón López-Portillo Romano (Mexico), Chairman, Q Element Ltd.

Dr. Michiharu Nakamura (Japan), Senior Advisor (Former President), Japan Science and Technology Agency

Dr. Anne-Christine Ritschkoff (Finland), Senior Advisor VTT Technical Research Centre of Finland Ltd.

Ms. Špela Stres (Slovenia), Director of Innovation and Technology Transfer Center for Jožef Stefan Institute

Dr. Vaughan Turekian (USA), Senior Director at the National Academies of Sciences, Engineering, and Medicine

Ms. Ada Yonath (Israel), Director and Nobel Laureate, the Helen and Milton A. Kimmelman Center for Biomolecular Structure

https://sustainabledevelopment.un.org/TFM

The 3rd Multi-stakeholder Forum on STI for SDGs in 2018

- June 5-6, 2018 at the UN Headquarters in NY
- More than 600 participants from the UN systems, member states (including Ministers), research institutes, universities, start-ups, civil societies across the world
- Co-chairs: Dr. Toshiya Hoshino, Deputy Permanent Representative of Japan to the UN, and Mr. Juan Sandoval-Mendiolea, Deputy Permanent Representative of Mexico to the UN

Dr. Teruo Kishi, Science and Technology Advisor to the Minister for Foreign Affairs, Japan presented as a panelist of Session 6 on STI for SDGs roadmaps and capacity buildings.

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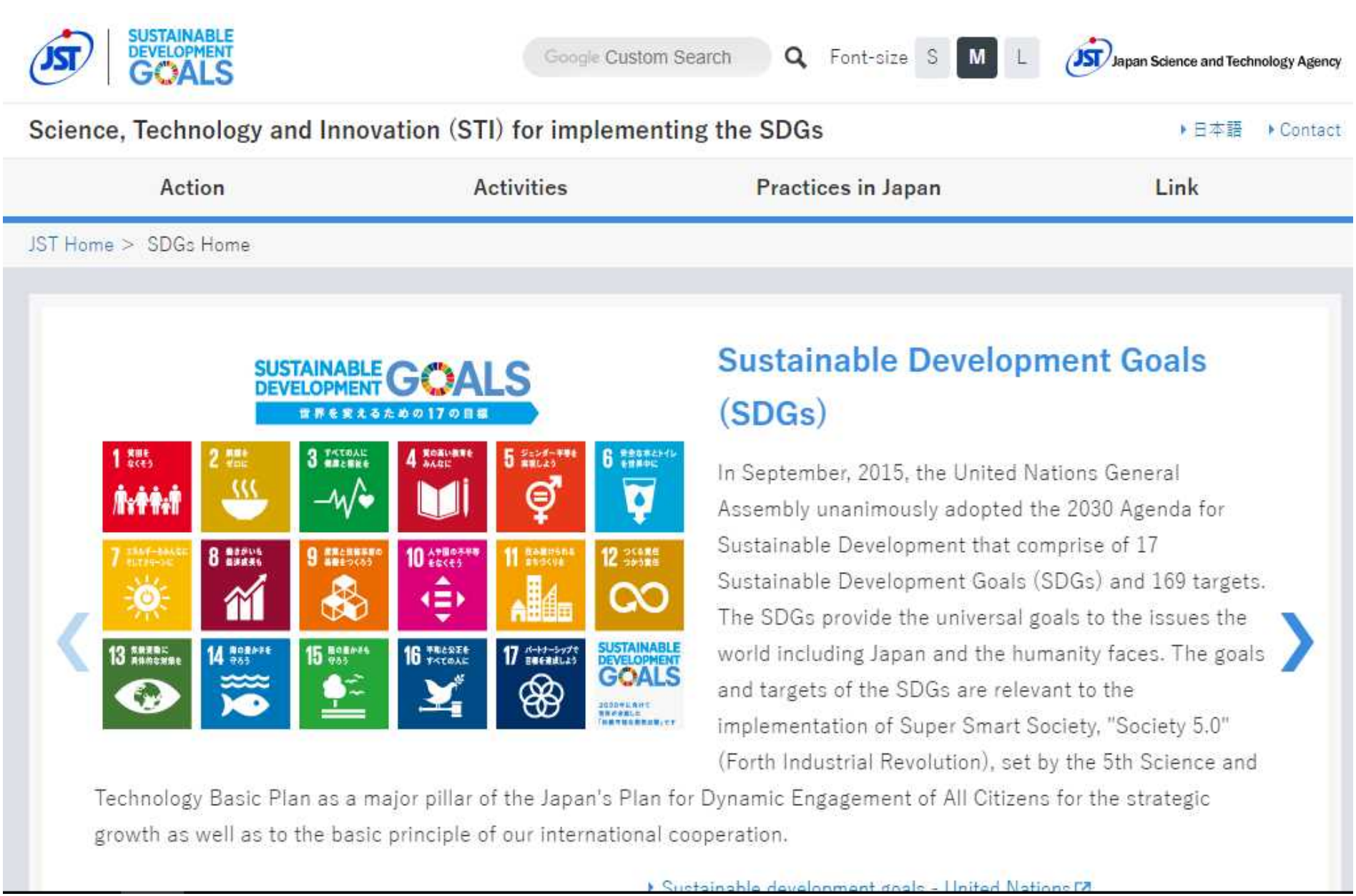
Visit our website for more information



https://www.jst.go.jp/sdgs/en/index.html

JST's Action
Toward the Low Carbon Society

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Toward the Low Carbon Society

Planning of R&D Strategy

Center for Low Carbon Society Strategy

Promoting the Creation of Innovation

Promoting Research and Development

Strategic Basic Research

Advanced Low Carbon Technology Research and Development Program

Promoting Globalization

Strategic International Collaborative Research Program

Technology Transfer Program (Academia and Industry Collaboration)

Cabinet Office

Cross-ministerial Strategic Innovation Promotion Program

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Advanced Low CArbon Technology Research and Development Program (ALCA)

ALCA was launched in 2010 as a research program toward developing a low carbon technology for the reduction of GHG emission.

Program Director: Kazuhito Hashimoto
(President, NIMS)

- Basic Research Program with the explicit goal in view
  ⇒Contribute to 26% reduction of GHG emissions in 2030
- Promoting innovation and consolidation of science and technology aiming for creation of game changing technology
- Supporting R&D program for up to 10 years
- Adopting the stage gate evaluation system

Scope of ALCA

1. Meeting expectation of industry.
2. Currently underdeveloped technology in industry.
3. Aspiring for academic involvement in research and development

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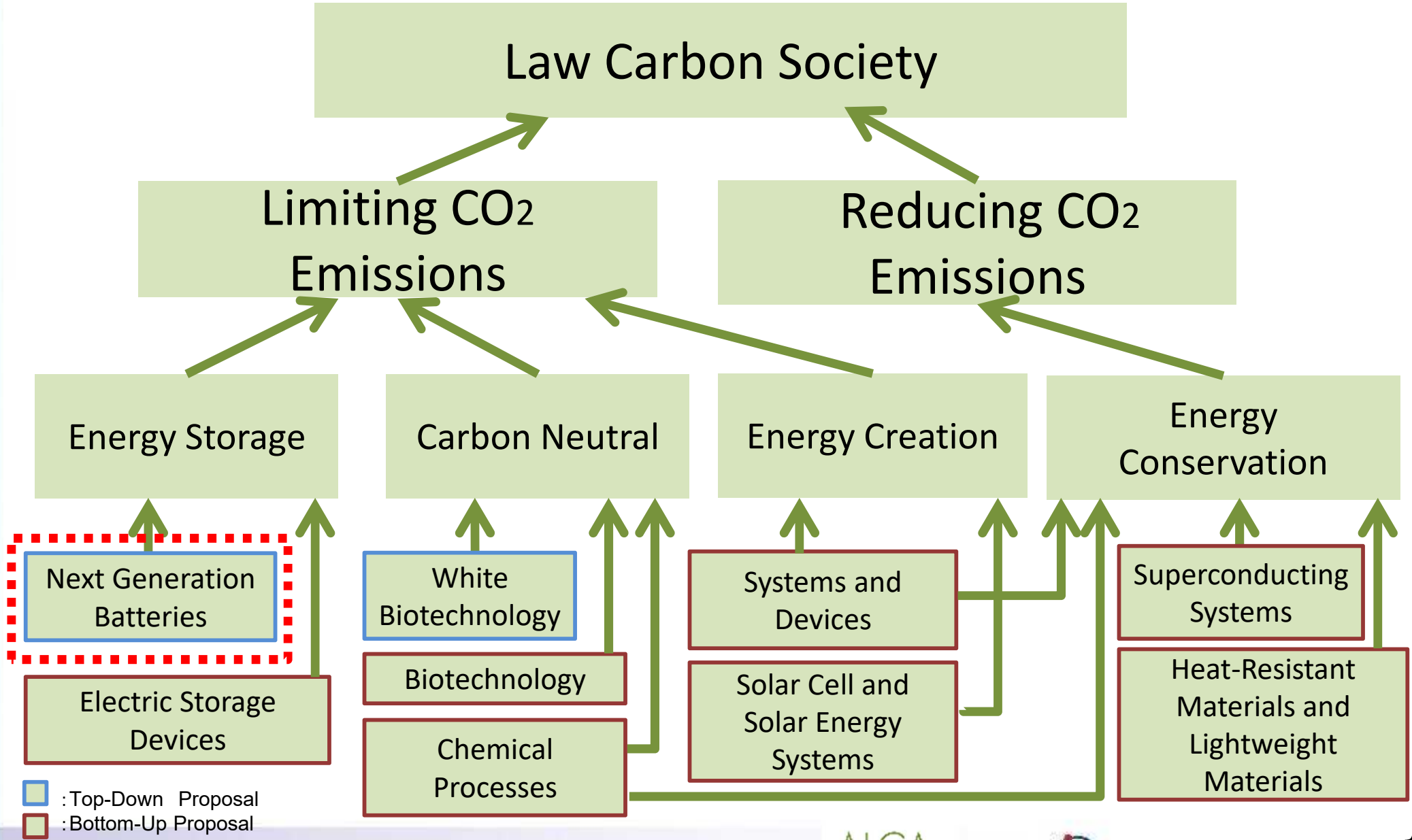
ALCA Technical Areas



ALCA-Specially Promoted Research for Innovative Next Generation Batteries （ALCA-SPRING）

Top down project kicked off July 2013 toward clear vision for development of next generation batteries.

Program Officer (PO): Kohei Uosaki
(Fellow, NIMS)

About Management

1. Team-oriented Research

To ultimately finish development of the battery, it is necessary to conduct as a "team-oriented research" that integrates them in a well-balanced manner while giving out excellent characteristics with each elemental technology, through fundamental research based on thorough science.

⇒ Arrange a general team leader to coordinate teams as a whole.

2. Building a Framework toward Social Implementation

The Storage Battery Governing Board consists of experts and delegates from MEXT, METI, research institutes and related projects, integrally manages R&D of both ministries and overseeing smooth transition of research outcomes.

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