



# Circulating and Ecological Economy and The Satoyama Initiative

President,

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G20 Ministerial Meeting on Energy and Environment 2019

– Its Significance and Outlook –

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## Global Agreements related to Sustainability



Adoption of the Paris Agreement, December 2015



Adoption of the 2030 Agenda and SDGs, September 2015



Adoption of the Sendai Framework for DRR, March 2015 Need to take integrated actions towards new sustainable society

Need to be implemented locally

#### Japan's 5th Basic Environment Plan

#### **Challenges Facing Japan**

**Environment** Inseparably linked **Economic** Social

Integrated Improvements on

Environment, Economy and Society

#### **Basic Approach**

- Utilizing the concepts of SDGs, realizing the Integrated Improvements on Environment, Economy and Society.
- Maximize the sustainable use of regional/local resources for improvements in economic and social activities.
- Promoting Partnerships with a wide range of stakeholders.

#### 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































Exchange of People, Information, and Technologies Connect to Global Communities





<Urban> <Rural> Interaction and Human Exchange Produced Capital **Natural Capital** 

**Harmony with Nature** Safe and Secure Community (e.g. Eco-DRR, EbA)











(IGES, 2019)



## The Satoyama Initiative

- ◆Promotes "landscape and seascape approaches" to biodiversity conservation and sustainable use:
  - Socio-Ecological Production
    Landscapes and Seascapes (SEPLS)
  - Support biodiversity while providing humans with goods and services needed for their well-being.
  - Mutual benefits between people and nature.
  - Dynamic mosaics of habitats and land uses.
  - Deeply linked to local culture and
     knowledge.





Philippines (Muyong)





Solomon Islands



#### The International Partnership for the Satoyama Initiative (IPSI)

- ◆Global platform to promote networking of SEPLS
- Launched at CBD/COP10 in Nagoya, 2010.

253 members among 69 countries/regions and 14 intergovernmental

organizations as of June 2019.

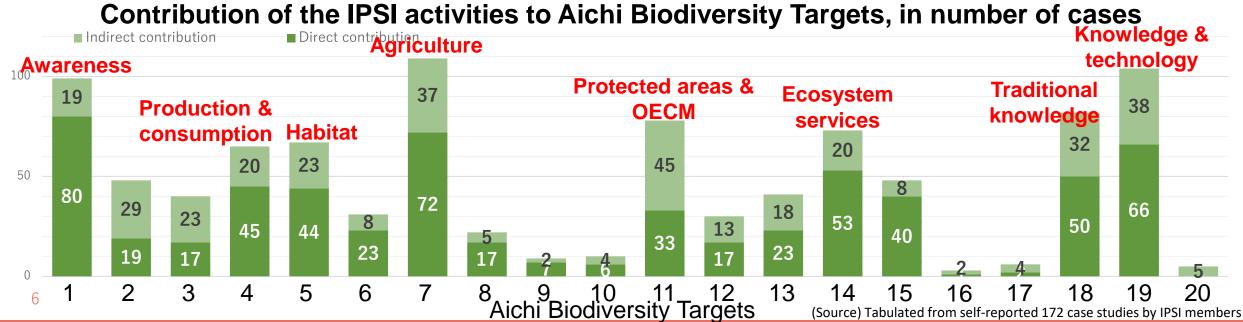
The secretariat in United Nations
 University Institute for the Advanced
 Study of Sustainability (UNU-IAS).



#### UNU-IAS

Institute for the Advanced Study of Sustainability





#### IPSI's Engagements in International Processes

- ◆ Post-2020 global biodiversity framework
  - Asia-Pacific Regional Consultation Workshop (January 2019, Aichi-Nagoya)
    - conserving and sustainably using biodiversity
    - mainstreaming into production sectors
    - contributing to other effective area-based conservation measures (OECM)
    - achieving multiple SDGs
  - Thematic Consultation Workshop on landscape approaches (upcoming, September 2019)
    - important ideas for post-2020 framework
- Intergovernmental Science-Policy Platform on Biodiversity and **Ecosystem Services (IPBES)** 
  - UNU-IAS became IPBES's strategic partner (July 2017)
  - IPBES and IPSI collaborate to produce a thematic review

(SITR-5) on Values associated with SEPLS

















# **Ecosystem-based Adaptation (EbA)**

"The use of biodiversity and ecosystem services as part of an overall adaptation strategy to help people to adapt to the adverse effects of climate change" (CBD, 2009)



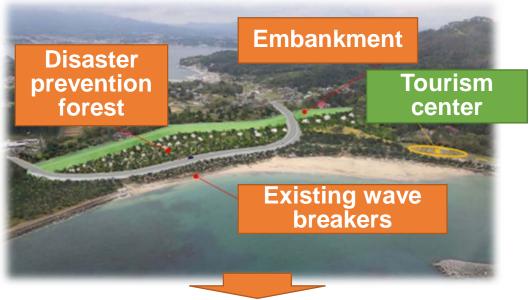
EbA is an important idea for post-2020 framework.

# Case Study of Kesennuma Oshima Island in the Sanriku Fukko (Reconstruction) National Park

Many nature experience opportunities and tourism resources were provided on the island before the Great East Japan Earthquake (GEJE).

Sanriku Fukko **National Park** (designated in 2013) **Aomori** Former area of the National Park Akita **I**wate Kesennuma Miyaqi Yamagata National Park **Quasi-National Park Fukushima** OPrefectural Natural Park

Disaster prevention forest behind the coast of Tanakahama beach.



MOEJ redeveloped a center for nature experience programs near the beach and developed an

emergency evacuation route

to reduce tsunami risks.

# Six Proposals for Future Policies towards Circular Economy and Society & T-20 &

- ◆Publication of T20 (G20 Think Tank Process) Policy Brief
  - Capture the momentum of public attention on marine plastic pollution to raise political and social priorities.
  - Raise the ambition of policies incorporating Extended Producer Responsibility (EPR) by envisioning phasing out of single-use items and difficult-to-process products.
  - Policy support for a business model.
  - Facilitate local/community-based initiatives (Circulating and Ecological Economy: CEE).
  - Establish regional mechanism for policy coordination and harmonization.
  - Adopt a new measurement of wealth and development by
    - incorporating planetary boundaries.

# 520 S 20

# **S20 Japan 2019**

- ◆ Joint Statement "Threats to Marine Ecosystems and Conservation of the Marine Environment with Special Attention to Climate Change and Marine Plastic Waste" received by Prime Minister Shinzo Abe of the Chair of G20 2019.
- Use of expert, evidence-based advice.
- Redoubling actions aiming to reduce stressors on marine ecosystems.

More recycling and energy efficient practices at national, city and level.

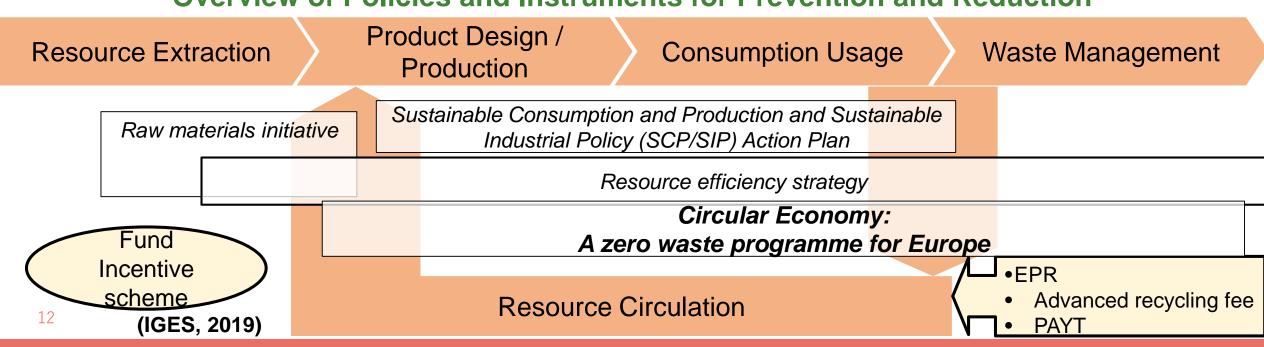
local levels.

- Capacity building for essential research infrastructures.
- Establishment of an improved data storage accessible to scientists globally.
- Sharing of information gained through 11 research activities.

#### Marine Plastic Issue as an Entry Point for CEE

- Tackling land-based sources.
- Reducing consumption of unnecessary single-use plastics.
- Collaboration with and capacity building of local governments.
- Capacity building in developing economies for waste management
- Business/government collaboration.
- Science and technology for better understanding of dynamics between plastic consumption and marine plastic pollution.

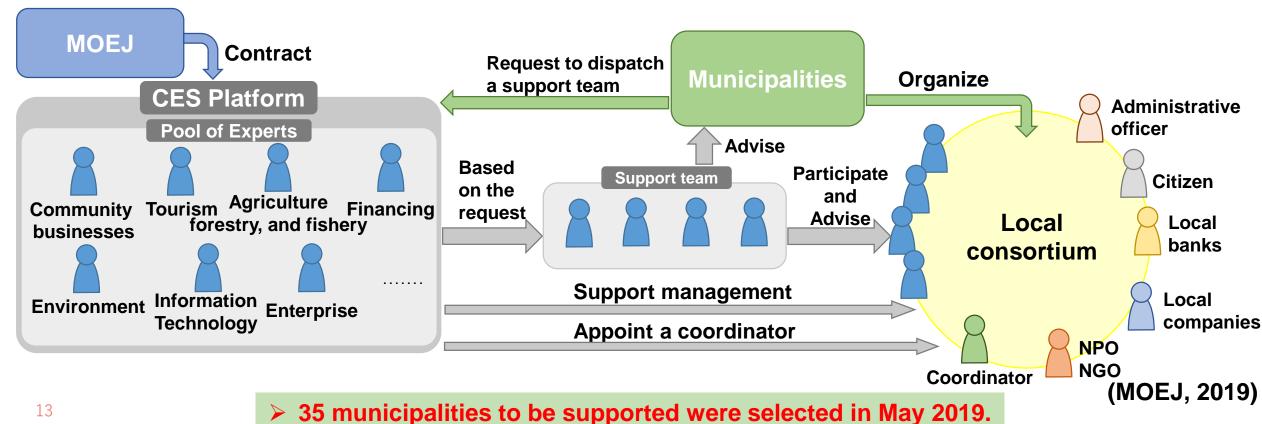
Overview of Policies and Instruments for Prevention and Reduction



## **MOEJ's Platform Project toward CES**

Objectives: Vitalize local communities and structure sustainable societies through forming sustainable communities.

In order to promote CES, this platform business will; 1) develop environments; 2) form support teams; 3) create measures and policies based on integrated analysis; and 4) conduct a strategic PR campaign.



#### Hokusetsu Satoyama CES Model in Hyogo Prefecture

**Rural residents** power Hokusetsu Area Forest/rural landscape conservation **Co-harvesting** (PV over farms) Charcoal transportation making Rural power Wood **Forest Ecosystem** biomass management services fertilizer Livestock Local food manure Local production & consumption transport **Education, learning** system & experiences (EV, biofuel) agrobiogas Learning /green products Finance & tourism, migration people **Urban farms Demand & supply** fuel/heat matching & sharing Urban

**Urban residents** 

(IGES, 2019)



#### ご清聴ありがとうございました。

Thank you for your attention.

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