Applicants shall choose one of the this year's goals and targets of the SDGs and additional goals, and decide an R&D theme.

When deciding the R&D theme, applicants should consider the correlation among multiple goals of the SDGs. It is vital to understand how closely every goal of the SDGs is linked to each other, when considering the pursuit of synergy as well as trade-offs, such as economy and the environment, among the goals. In designing an R&D theme and its implementation plan, interdisciplinary approaches are required in addition to disciplinary or sectoral contribution to the field of science, technology, and innovation.

#### Goal 14 Life below Water

### **Target**14.1 Prevent and reduce marine pollution

- 14.2 Restore marine and coastal ecosystem
- 14.4 Implement science-base management plan to restore fish stocks
- 14.7 Increase the economic benefits

#### Examples of R&D Themes

#### Treatment of wastewater

e.g. Treatment of agricultural, industrial and living wastewater, Purification technology for water pollution and hazardous substances, Green infrastructure utilizing ICT



# Sustainable use of resources and the environment

e.g. Conservation and sustainable use of marine ecosystems and biodiversity using ICT, Smart water Industry



### Reduction of marine waste

e.g. Circular economy technology that contributes to reduce marine waste including plastics, Plastic substitution technology



#### Ecological resilience

e.g. Technology for preparation and response to abnormal weather and natural disasters occurring in coastal areas



#### Goal 15 Life on Land



#### **Target**

- 15.1 Conserve, restore and sustainable use of terrestrial and inland freshwater ecosystems
- 15.2 Halt deforestation, restore degraded forests and increase afforestation and reforestation
- 15.5 Halt the loss of biodiversity and protect the extinction of threatened species

#### Examples of R&D Themes

### Low environmental impact soil use

e.g. Sustainable use of farmland, Soil purification technology, Green agriculture, Smart agriculture



### Sustainable use of resources and the environment

e.g. Conservation and sustainable use of ecosystems, biodiversity, and forests using ICT, Smart forestry

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### Recycling and use of wood resources

e.g. Circular bioeconomy technology for wood resources contributing to the reduction of deforestation



#### Ecological Resilience

e.g. Technology for preparation and response to abnormal weather and natural disasters occurring inland, including forests

