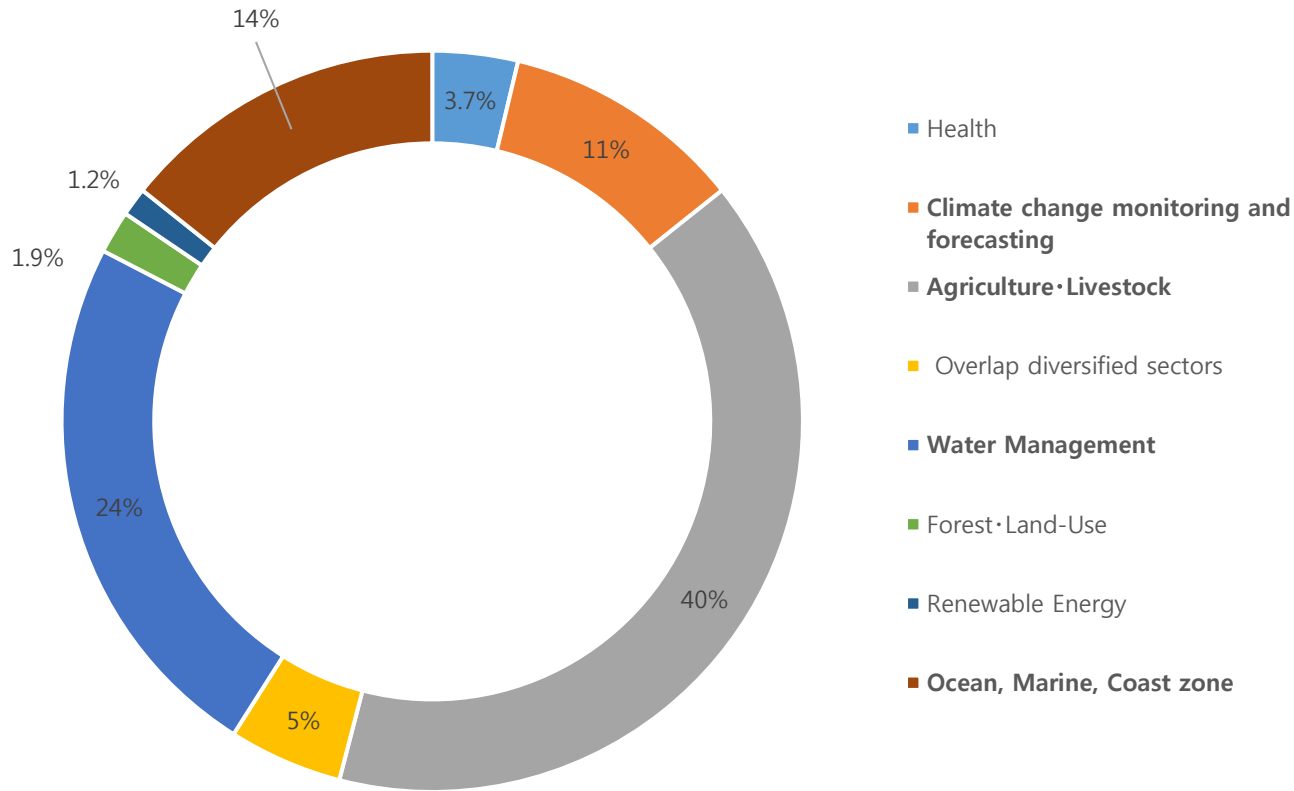
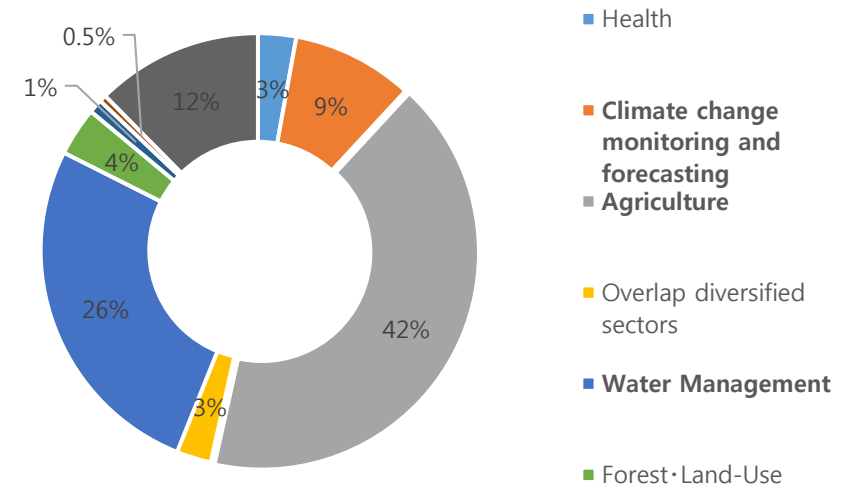


Mapping of Prioritized Sector (TNA) - Adaptation



Technology Demand in the Asia - Pacific Region



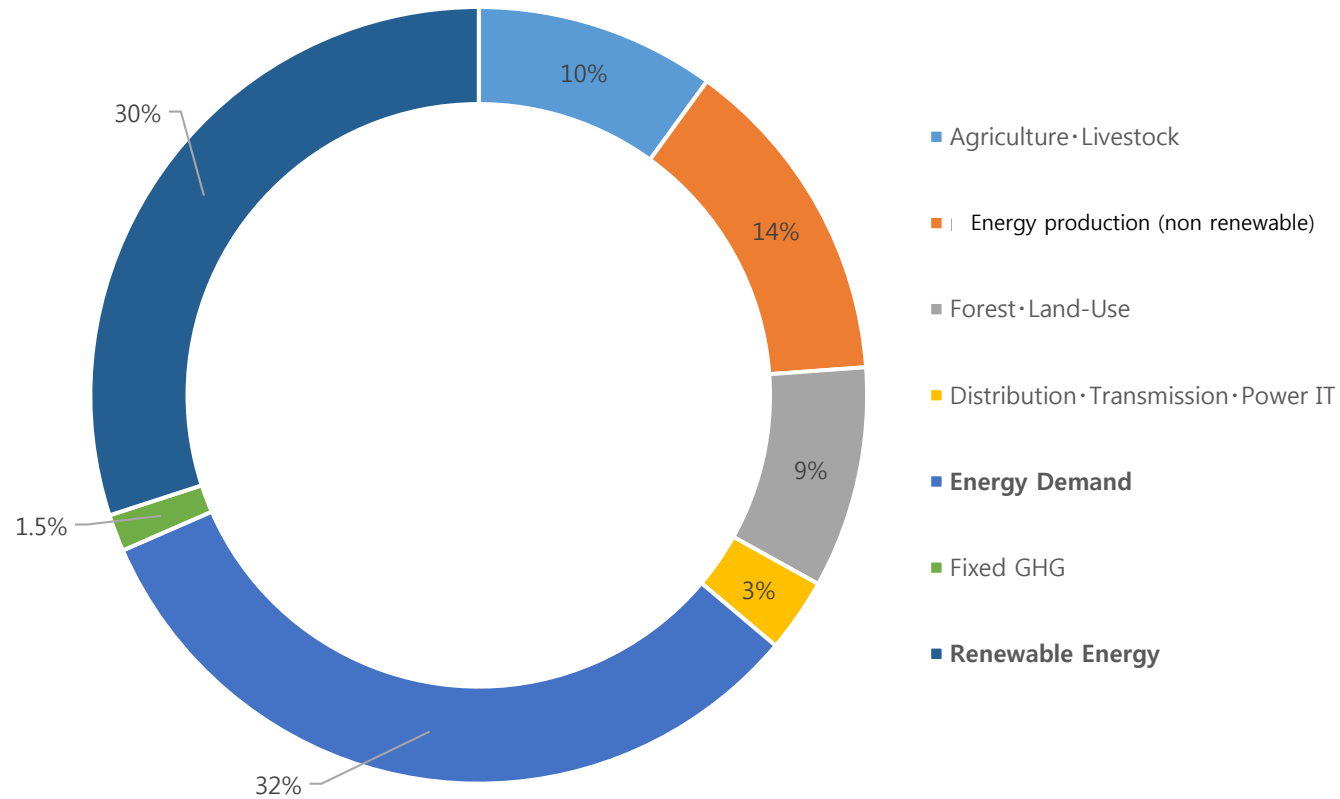
Technology Demand in the World

※ Word is Asia & Eastern Europe, Latin America & the Caribbean, and Africa & Middle East
 ※ Climate Technology Classification by Korea Climate technology classification (KCTC) (GTC, 2018)

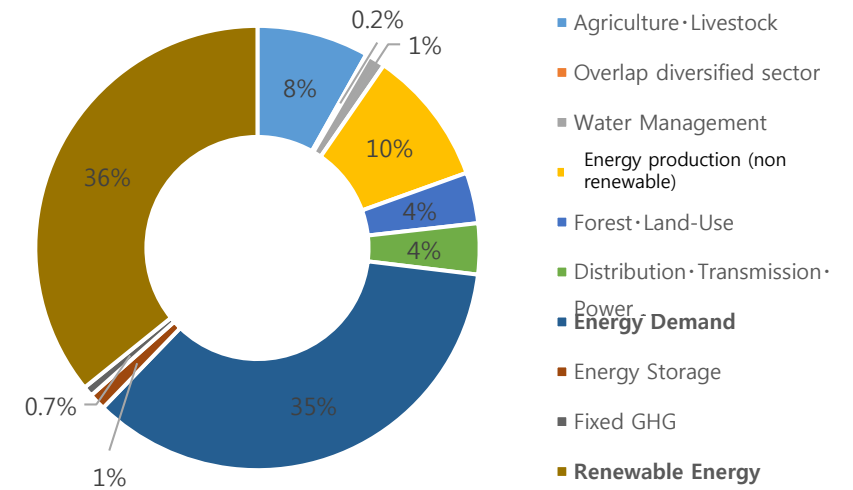
Mapping of Prioritized Sector (TNA) - Adaptation

- **Agriculture · Livestock (40%)**
 - I. Improved crop varieties
 - II. Efficient crop production
 - III. Institution for agricultural adaptation technology
- **Water Management (24%)**
 - I. Rainwater harvesting
 - II. Natural disaster management - flood and drought
 - III. Water treatment/wastewater treatment and reuse
- **Ocean · Marine · Coast(Coastal Zone) (14%)**
 - I. Seawalls Dikes and Barriers
 - II. Monitoring of coastal erosion and flooding
- **Climate Change Monitoring and forecasting(Natural Disaster) (11%)**
 - I. Early warning and information dissemination
 - II. Detailed climate scenarios for vulnerability assessment
 - III. Institutional arrangement for climate change data collection and analysis

Mapping of Prioritized Sector (TNA) - Mitigation



Technology Demand in the Asia - Pacific Region



Technology Demand in the World

※ World is Asia & Eastern Europe, Latin America & the Caribbean, and Africa & Middle East

※ Climate Technology Classification by Korea Climate technology classification (KCTC), (GTC, 2018)

Mapping of Prioritized Sector (TNA) - Mitigation

- **Energy Demand (32%) - Transport, Energy, Residential & Commercial**

- I. **Transport**

- Vehicle and Fuel technologies
 - Traffic Management
 - Bus Rapid Transit systems, Mass transport

- II. **Energy**

- Combined heat and power
 - Waste Heat Recovery

- III. **Residential & Commercial**

- Efficient lighting (CFL, LED)

- **Renewable Energy(24%) – Energy, Waste**

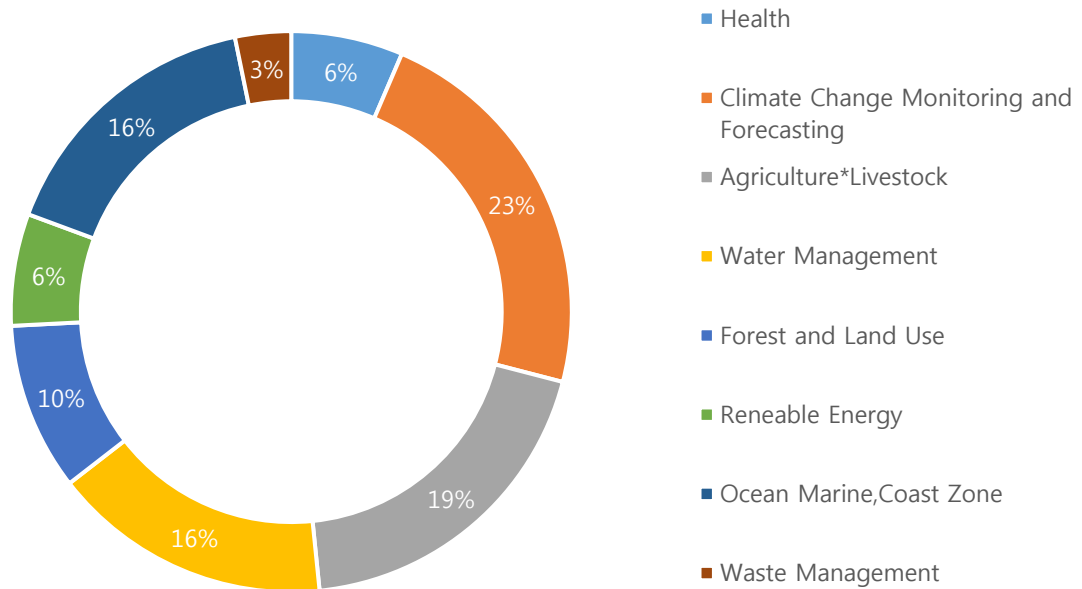
- I. **Energy**

- Solar power, Hydro power, Wind power
 - Biomass, Biogas

- II. **Waste**

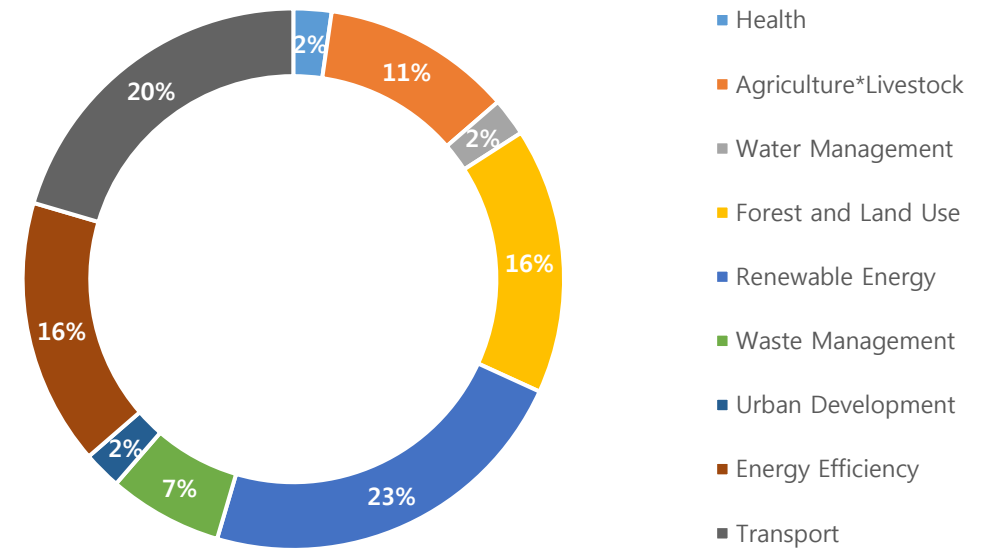
- Recycling, Composting

Mapping of Prioritized Sector (INDC)



Adaptation | Technology Demand in the Asia - Pacific Region

- 1) Climate Change Monitoring and Forecasting
- 2) Agriculture



Mitigation | Technology Demand in the Asia - Pacific Region

- 1) Renewable Energy
- 2) Transportation
- 3) Energy Efficiency & Forest

Technology demands from iNDCs/NDCs

▪ In Adaptation

I. Climate Change Monitoring and Forecasting

- a) Integrated disaster risk management system and strategies
- b) Vulnerability Assessment to Climate Change

II. Agriculture

- a) Introducing technologies for a diversification of agriculture supply
- b) Improving farming industry for agriculture and livestock

III. Coastal Area

- I. Improved design, climate modeling and projection for flood/catchment /coastal management

▪ In Mitigation

I. Transportation

- a) Land-Road & shipping in coast area
- b) Efficient Transportation System (Intelligent Transport System; Electric Vehicle)

II. Energy Efficiency

- a) domestic consumption & process and product use (Demand management and optimization)

III. Renewable Energy

- a) Replace expensive imported source
- b) Generate electricity to reduce GHG Emission

IV. Waste

- a) Waste Management system and strategies