

Korea Adaptation Center for Climate Change
of the Korea Environment Institute (KEI)

KACCC

The Korea Adaptation Center for Climate Change (KACCC)'s mission is to foster a nation safe from climate crisis by minimizing the impact of climate change through a scientific approach.



Basis and Purpose

· The KACCC is designated based on Article 46 of the 「Framework Act on Carbon Neutrality and Green Growth (or “Carbon Neutrality Act”）」 and provides research and policy support on climate change adaptation.

Article 46 ① In order to establish and implement national measures for adaptation to climate crisis, the Minister of Environment may designate the KACCC. ② The KACCC shall conduct projects related to adaptation to climate crisis prescribed by Presidential Decree, including surveys and research to promote measures for national adaptation to climate crisis.

Main Functions

· The Korea Environment Institute (KEI)'s KACCC develops measures to support climate change adaptation policy and means for adaptation, provides support for assessing climate change impacts and vulnerabilities, international cooperation for climate change adaptation and negotiations, establishes a domestic network of subject matter experts on climate change adaptation, and serves as a hub for various projects authorized by the Minister of Environment related to generating knowledge on climate change adaptation and policy support.

Main Activities

Provide support for establishment /implementation of national climate change adaptation measures

- Establish the strategy for the vision, objectives, and policies in relation to the national adaptation measures
- Provide support to metropolitan cities (17) and localities (226) on establishing and implementing the plans for respective climate change adaptation measures
- Provide consulting support to the public and private sector on developing adaptation measures

Provide a scientific basis for climate change adaptation

- Assess the impacts and vulnerabilities of climate change
- Undertake a systematic research and develop adaptation assessment tools related to climate change adaptation

Mainstreaming climate change adaptation

- Enhance international climate change adaptation cooperation
- Enhance government systems for climate change adaptation
- Enhance and disseminate climate change adaptation awareness
- Provide support to population to be more sensitive to climate change adaptation
- Research and develop assessment tools to mainstream climate change adaptation



Key Achievements

- 1 **Established legislative and institutional ground**
 - Supported the drafting of two legislations regarding climate change adaptation (2 items in 2021)
 - Established the 3rd National Climate Change Adaptation Measures (2020) and its implementation plans (2021)
- 2 **Provided support to national and local governments on adaptation measures**
 - Provided a list of 93 risks in eight categories for climate change adaptation
 - Provided consulting for establishing/implementing plans to local governments
- 3 **Implemented policy measures in line with the public's awareness while establishing a policy feedback mechanism**
 - Inspected the implementation status of the plans regarding the 2nd National Climate Change Adaptation Measures and provided a feedback mechanism
 - Provided the guideline for implementation plans of the 3rd National Climate Change Adaptation Measures
 - Established/ran a citizens' assessment group on climate change adaptation measures
- 4 **Provided need-based support to climate change adaptation entities**
 - Consulting support to the public and private sector for establishing climate change adaptation measures
 - Discover groups vulnerable to climate change, develop local adaptation projects while conducting trial runs
- 5 **Establish a scientific basis while generating and providing information for adaptation**
 - Develop tools and models for assessing the impacts and vulnerabilities due to climate change
 - Create climate change hazard maps (for heat waves and floods)
 - Publish the Korea Climate Change Assessment Report 2020
- 6 **Revitalize domestic and international cooperation networks while supporting developing nations**
 - Ran the domestic climate change network while expanding international cooperation
 - Hosted the 1st UNFCCC adaptation week and Global NAP Expo (2019)
 - Conducted capability enhancement education to developing nations within the UNFCCC-CASTT framework
- 7 **Training custom-tailored for adaptation entities and awareness raising through promotion**
 - Published magazine Adaptation dedicated to climate change issues
 - Created and distributed contents to raise public awareness on adaptation
 - * Survey results: 67.0% (2018) → 72.2% (2021)

Way Ahead

- As a center with 12 years of accumulated expertise (KACCC was established in 2009), KACCC aims to leverage its expertise to mainstream climate change adaptation while being at the forefront of disseminating adaptation messages to support the building of a global climate-proof society.

