

CCCA's efforts to promote regional climate change adaptation actions

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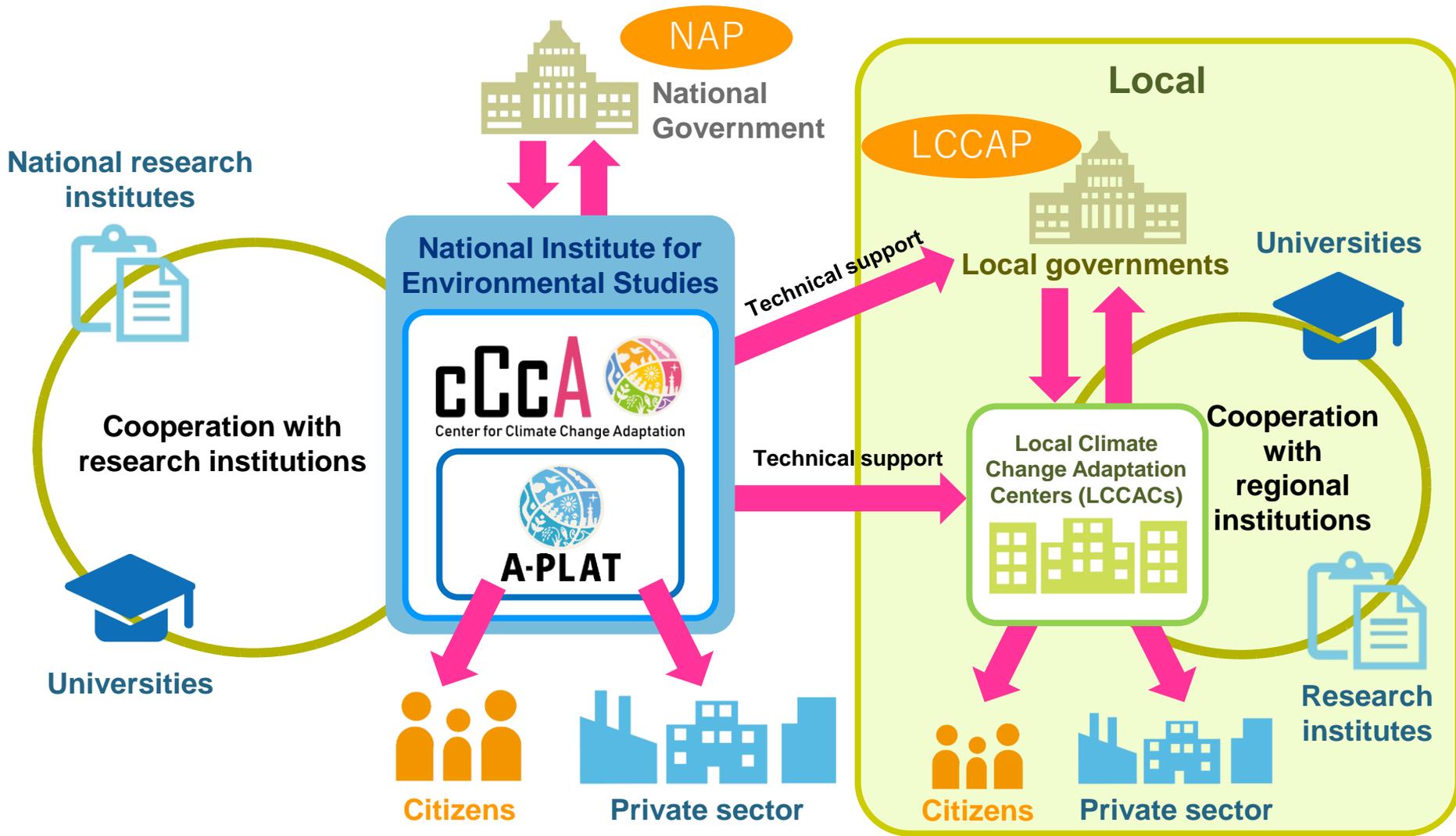
National Institute for Environmental Studies

Roles of NIES under the Climate Change Adaptation Act

Article 11: Development of domestic adaptation information infrastructure

- Appoint NIES as the **core of information infrastructure for adaptation**
- NIES shall:
 - collect, organize, analyze and provide **information related to climate change impacts and adaptation**; and
 - provide **technical advice and support to local governments, local climate change adaptation centers (LCCACs) and other institutions**
- NIES will:
 - cooperate with other research institutions; and
 - foster public participation in collecting information about climate change impacts

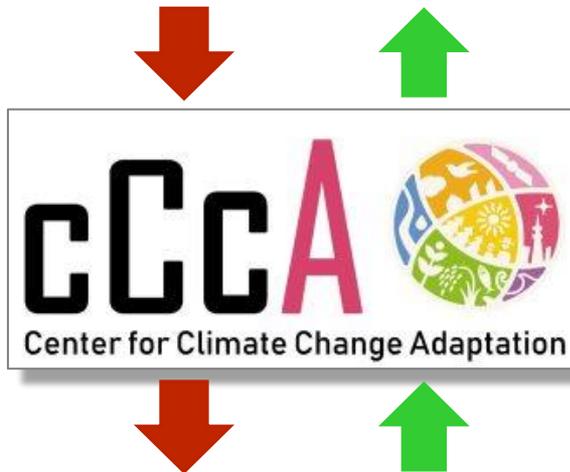
Japan's national and regional adaptation framework



Center for Climate Change Adaptation: Bridge between National and Local Adaptation Policies

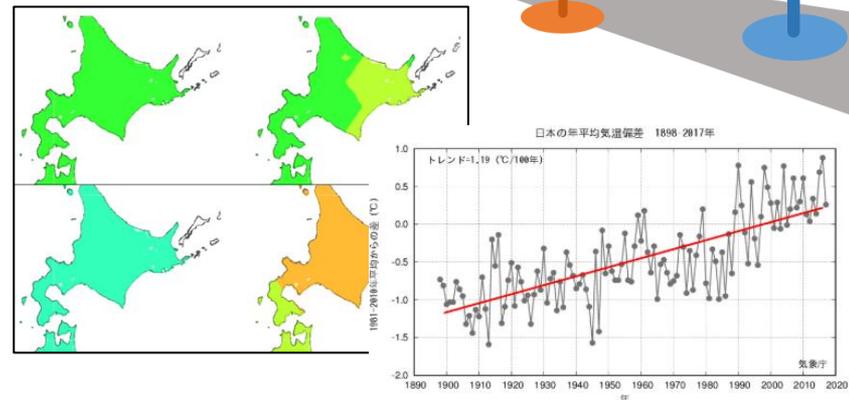
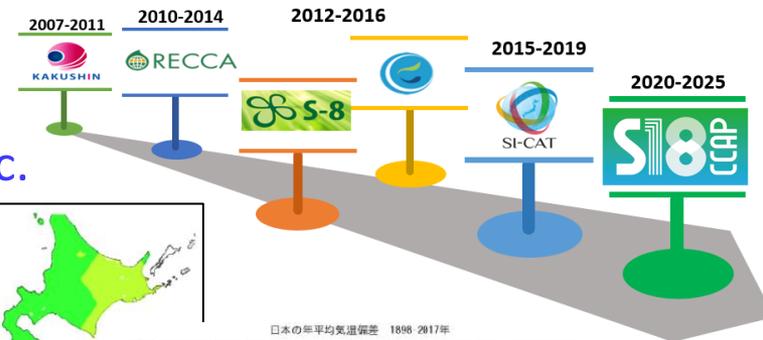
National level

- Lead research projects with relevant institutions
- Collect and provide data and information
- Contribute to National Impact Assessment & NAP



Exchange

- data
- information
- knowledge
- experience etc.



Local level

- Provide information via A-PLAT
- Support in developing LCCAPs
- Collaborate with LCCACs

CCCA's activities for local adaptation actions

A-PLAT: Regional adaptation



This English version of the A-PLAT website is a machine translation based on the original Japanese version. JP | EN

Please be aware that there may be mistranslations and inconsistencies in the text.

[About A-PLAT](#) | [Data and literature](#) | [Information archive](#) | [Links](#) | [Inquiries](#)

Climate change and adaptation

National efforts on adaptation

Regional adaptation

Adaptation business

Adaptation by citizen

HOME > Regional adaptation

Think of adaptation measures that suit your lifestyle and environment

Regional adaptation



Introducing everyone's "adaptation" experience

Interviews



How do you adapt?

Local adaptation measures



What do you know?

What science tells us



For local staff

How do you plan?

Local Climate Change Adaptation Plan



For local staff

What kind of activities do you do at what kind of base?

Local Climate Change Adaptation Center



For local staff

How do you communicate?

Public awareness and communication



For local staff The contents marked with are mainly information for government offices, local government employees and

[Click here for FAQ](#)



CCCA's activities for local adaptation actions

- Training courses for local stakeholders
 - How to develop local adaptation plans
 - Basic knowledge on climate change, impacts and adaptation
- Individual communication and support
 - Tailoring data and information for regional adaptation
 - Serve as a committee member
 - Giving lectures for regional committee
 - Introduce scientists in NIES and other institutions



Collaborative research program with LCCACs

- An internal research program on climate change adaptation to enhance collaboration with LCCACs
 - **Information design** on regional climate change adaptation through co-creation with LCCACs
 - Establishment of a **monitoring system** for detecting the effects of climate change
 - Monitoring and estimation of the climatic change effects on **Japanese natural lakes**
 - Study on **human health impacts** by climate change
 - Climate-change adaptation using **green-grey hybrid infrastructure**
 - Study on climate effect on **airborne particulate matter** over the Oki Islands

- A closed online platform for sharing information and knowledge to promote local adaptation
 - Activities of LCCACs
 - LCCAC newsletter
 - Meeting materials and minutes
 - Internal information of LCCACs (structure, budget, etc.)

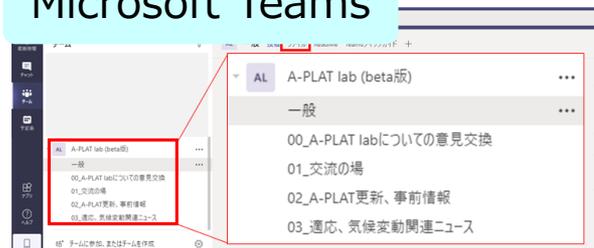
Web portal



Latest news

General news on adaptation
A-PLAT and Teams updates

Microsoft Teams



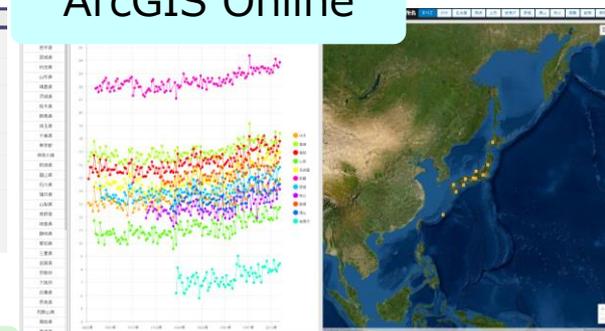
Communication

Forum, Web meeting

Data sharing

Sharing documents and data
Questionnaire survey

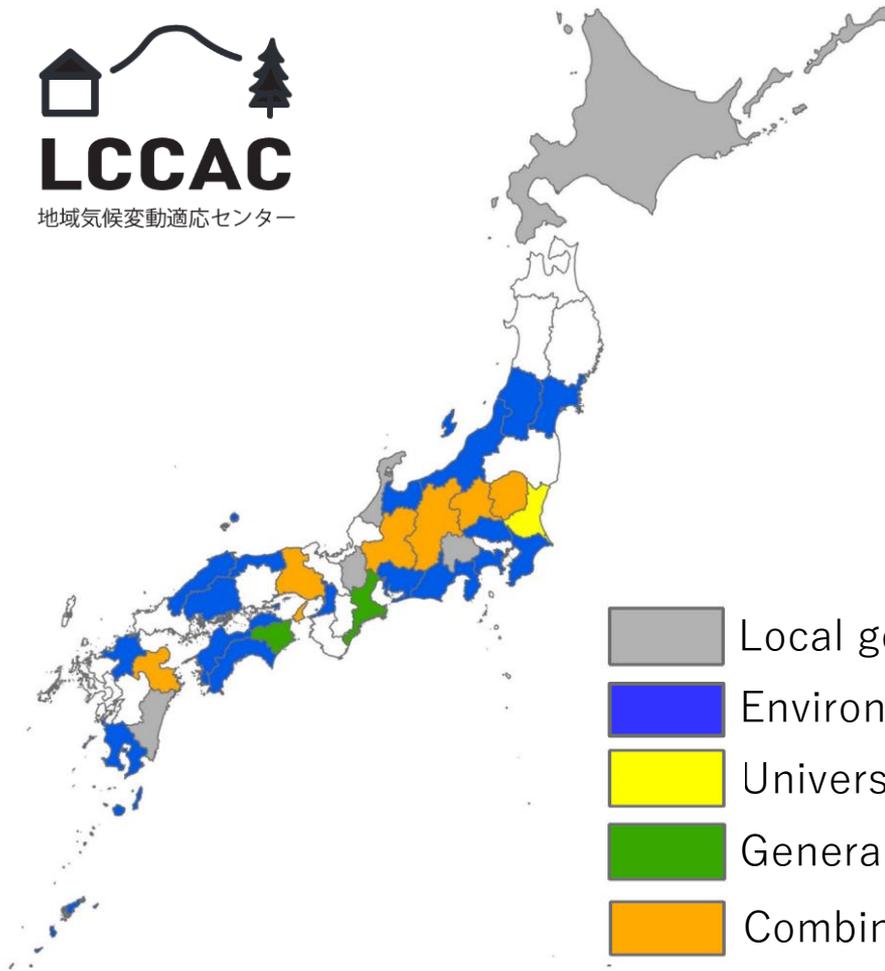
ArcGIS Online



GIS data

Source GIS data of the
WebGIS, etc.

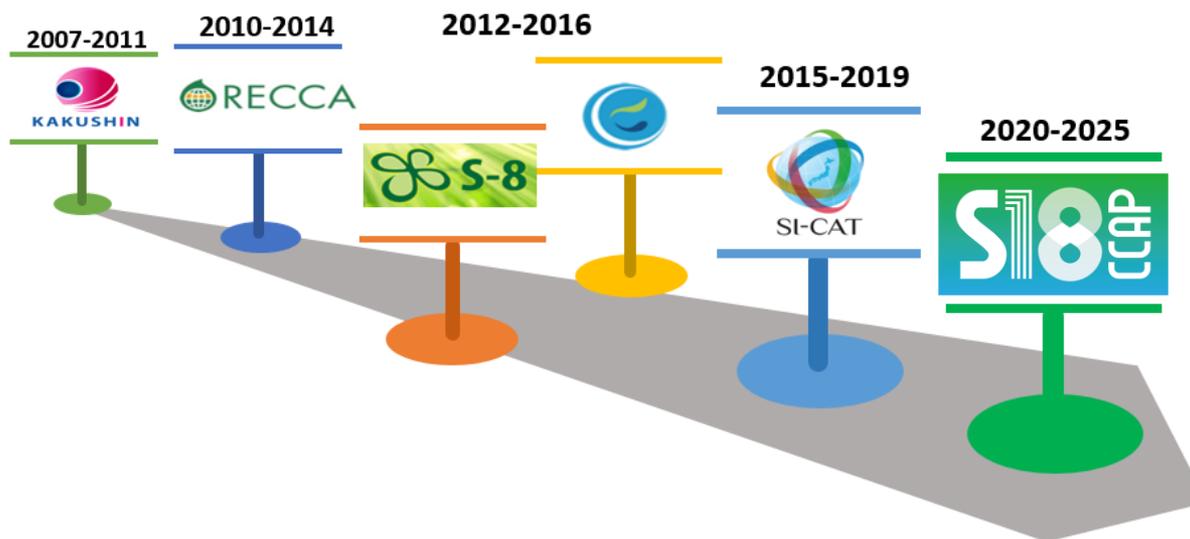
Challenges: Different background, different capacity, different needs



- Local government
- Environmental research institute
- University
- General incorporated foundation, NPO
- Combination of above

- LCCACs have been established in 32/47 prefectures and 8 municipalities and are increasing
- The interests and capacity of the LCCACs vary depending on their structure and regional characteristics

Challenges: Maintaining scientific knowledge up-to-date



- Scientific knowledge on climate change impacts is being accumulated, and it is getting difficult to provide the data appropriately.
 - Multiple downscaled climate scenarios from different institutions
 - Multiple projection datasets on the same impact using different assumptions (e.g., climate scenarios) and models
 - Some models are well-established, some are brand-new

Challenges: Improving CCCA's capacity and service

- Enhance communication and collaboration with an ever-increasing number of diverse local stakeholders, with limited resources
- Catch up with the latest IT/Web technology
- Develop networks with relevant platforms under different ministries
 - Data sharing, open data policy, API...

