

Japanese Alliance for Climate Change Observation (JACCO)



Supporting and coordinating earth observation
towards a better understanding of the collective pictures of climate change



Office for Coordination of Climate Change Observation
(OCCCO)

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Towards continuous observations and solutions to social issues



Establishment

In response to the increasing need for earth observations, the **GEO (Group on Earth Observations)** was established and the **GEOS (Global Earth Observation System of Systems)** 10-year Implementation Plan was adopted at the third Earth Observation Summit in 2005.

In Japan, the **Japanese Alliance for Climate Change Observation (JACCO)** was established following the proposal of the Earth Observation Promotion Strategy released by the Council for Science and Technology Policy in 2004.

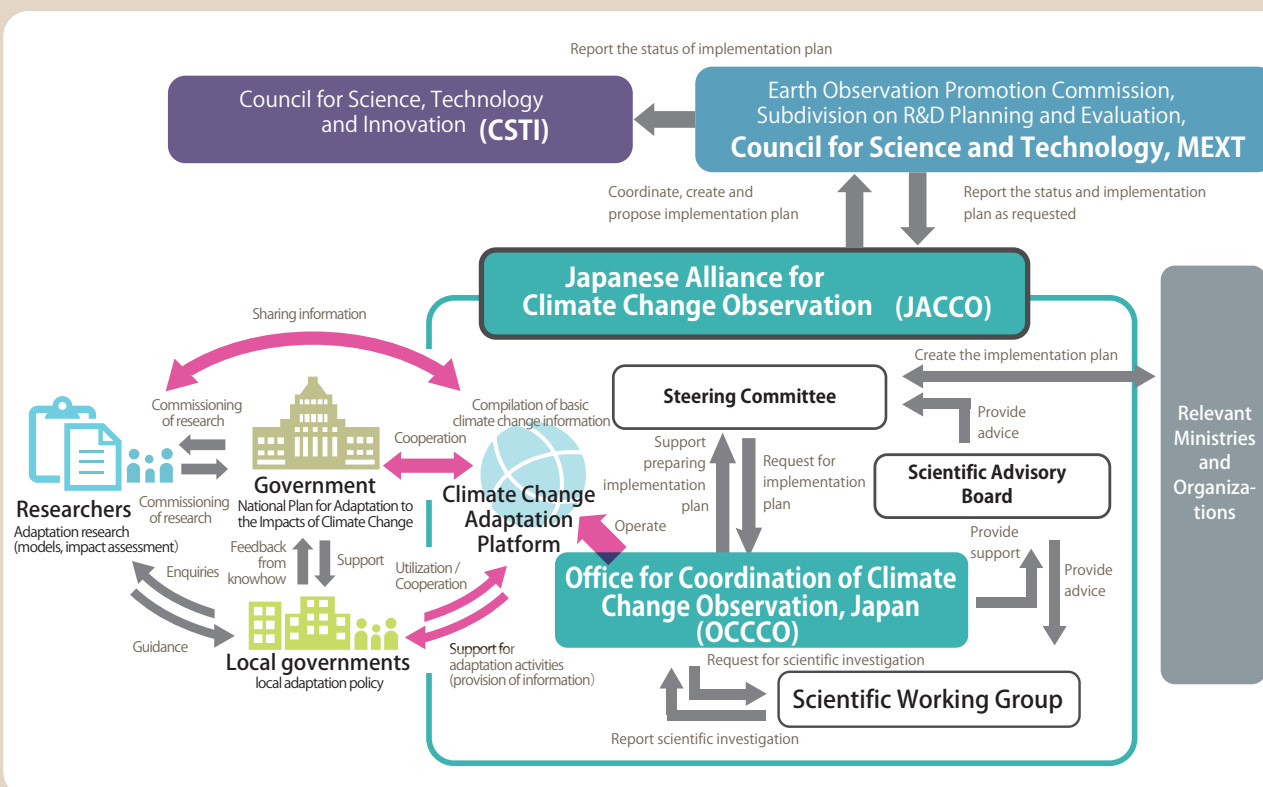
During the 10 years since its establishment, JACCO has initiated various activities such as surveying the need for climate change observation in relevant fields and improving the usability of observational data.

Strengthening the role of JACCO

In fiscal year 2015 (FY2015) two policies, “Japan’s Policy for the Implementation of Earth Observations for the Next 10 Years” (Decision of the Earth Observation Promotion Meeting, August 25, 2015) and “Plan for Adaptation to Climate Change” (Cabinet Meeting Decision, November 27, 2015) were adopted. Following up on these decisions, JACCO established the **Climate Change Adaptation Platform** to provide a link between observational data and finding solutions to social issues, thus supporting local governments, businesses and individuals.

Tasks of JACCO

- Collection of observational data and information, data standardization and needs assessment
- Promotion of data integration and use, and provision of easy-to-understand information
- Support to various stakeholders in solving social issues with the help of observational data



OCCCO (Office for Coordination of Climate Change Observation) is the managing office of JACCO (Japanese Alliance for Climate Change Observation).



To achieve a sustainable society, it is important to develop, along with mitigation policies such as reduction of greenhouse gases which cause climate change, also adaptation policies with a long-term perspective to prevent or minimize the damages caused by climate change.

The **Climate Change Adaptation Platform** is a basic activity to support the adaptation efforts of local governments, businesses and individuals.

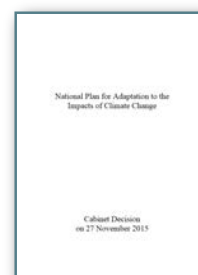
- ✧ Sharing and providing information related to climate risk
- ✧ Promotion of adaptation in region



National Plan for Adaptation to Impacts of Climate Change

-Vision of society-

By promoting adaptation measures to climate change impacts, to build a secure, safe and sustainable society that is able to minimizing and avoiding damage for life of citizens, properties, economics, and natural environment due to its impacts, and to be resilient against damage.



Impact & Adaptation in Seven Sectors



Agriculture,
Forests / Forestry,
Fisheries



Natural
Ecosystems



Human Health



Life of
Citizenry and
Urban Life



Water
Environment /
Water Resources



Natural Disasters /
Coastal Areas



Industrial /
Economic
Activity

Let's take action now!



Guidelines for
local adaptation
plans



Good practices
by private
companies



Tips on how to
adapt our way
of life

International Network



■ Working group / expert meetings

JACCO has organized expert meetings and set up working groups to discuss collaborative efforts toward specific issues.

-Publication-

- Observations for the monitoring of greenhouse gases and the carbon cycle, and for the assessment of the impacts of climate change (2008)
- Observations for the monitoring of clouds, aerosols and atmospheric radiation, and for the assessment of the impacts of climate change (2010)
- Technical report on the calibration of atmospheric radiation measuring instruments (2015, in Japanese)

The above publications are available :

http://occo.nies.go.jp/e_pub.html#rad



■ Member of Steering Committee of JACCO

Cabinet Office

Ministry of Internal Affairs and Communications (MIC)

Ministry of Education, Culture, Sports, Science and Technology (MEXT)

The Ministry of Agriculture, Forestry and Fisheries of Japan (MAFF)

Forestry Agency

Fisheries Agency (FA)

Ministry of Economy, Trade and Industry (METI)

Ministry of Land, Infrastructure, Transport and Tourism (MLIT)

Geospatial Information Authority of Japan (GSI)

Japan Meteorological Agency (JMA)

Japan Coast Guard

Ministry of the Environment (MOE)

National Institute of Information and Communications Technology (NICT)

National Institute of Polar Research (NIPR)

Japan Aerospace Exploration Agency (JAXA)

Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

National Agriculture and Food Research Organization (NARO)

Japan International Research Center for Agricultural Sciences (JIRCAS)

Forestry and Forest Products Research Institute (FFPRI)

Japan Fisheries Research and Education Agency (FRA)

National Institute of Advanced Industrial Science and Technology (AIST)

National Institute for Environmental Studies (NIES)

Contact us

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