

Application Guidelines for Authorized Users of the GOSAT-GW TANSO-3 Product Archive

October 24, 2025
NIES GOSAT-GW Project

1. Introduction

The Global Environment Bureau of the Ministry of the Environment of Japan (MOE) and the National Institute for Environmental Studies (NIES) have been jointly promoting the Global Observing SATellite for Greenhouse gases and Water cycle (GOSAT-GW) greenhouse gases observing mission (hereinafter, the “Mission”). Data observed by the Total Anthropogenic and Natural emissions mapping SpectrOmeter-3 (TANSO-3) onboard GOSAT-GW will be released in accordance with the GOSAT-GW TANSO-3 Data Policy (<https://www.nies.go.jp/soc/en/documents/datapolicy/>). TANSO-3 has two observation modes: Wide Mode and Focus Mode. Focus Mode observations are made based on Observation Requests. In order to advance the Mission, with the aim of promoting a wider range of research by utilizing TANSO-3 data, we invite applications for registration as an Authorized User from users who meet the qualifications described below.

2. Authorized User types

There are two types of Authorized Users, as listed in Table 2 of the TANSO-3 Data Policy:

- **Authorized User (No Observation Requests):** This type of Authorized User is eligible to receive TANSO-3 standard products prior to their release to the public.
- **Authorized User (Observation Requests Available):** This type of Authorized User is eligible to receive TANSO-3 products prior to their release to the public and can apply to designate observation areas in TANSO-3 Focus Mode (hereinafter, “Observation Requests”).

Authorized Users are eligible to receive products and apply for Observation Requests via the GOSAT-GW TANSO-3 Product Archive (G3PA) (<https://product.gosat-gw.nies.go.jp/>).

3. Qualifications

Those eligible to apply to be Authorized Users must meet different qualification criteria depending on the Authorized User type. Note that MOE and NIES are hereinafter collectively referred to as the “Two Parties”.

- **Authorized User (No Observation Requests):** Those who fall into one of the categories specified in Qualification Criterion 1.
- **Authorized User (Observation Requests Available):** Those who fall into one of the respective categories specified in both Qualification Criteria 1 and 2.

Qualification Criterion 1:

Category (1-1): NIES or those who have concluded Memorandums of Understanding (MOUs) regarding research and development or joint research agreements with NIES and cooperated in the validation of TANSO-3 observational data, retrieval calculations, or data utilization such as emission estimation.

Category (1-2): MOE, organizations that have concluded Letters of Intent (LOIs) regarding climate change observations or other agreements with MOE, or those who undertake business or operations commissioned by MOE and cooperate in the utilization of TANSO-3 data.

Category (1-3): Those who have research or business plans for utilizing TANSO-3 data and are authorized by the Two Parties.

Qualification Criterion 2:

Category (2-1): Those who have concluded MOUs, LOIs, or joint research agreements with either of the Two Parties and conducted observations of cities, regions, and point sources in Japan and abroad based on the Plan for Global Warming Countermeasures, the Climate Change Adaptation Plan, the Basic Plan on Space Policy and Schedule, or NIES's research plan.

Category (2-2): Those who belong to research institutes submitting Observation Requests for academic research purposes, foreign government agencies submitting Observation Requests for use in climate change policies such as estimating their own country's emissions, or private companies submitting Observation Requests that may lead to emission reductions in Japan through emission reduction measures, credit generation, etc.

Category (2-3): Others who submit Observation Requests deemed necessary through consultation between the Two Parties.

4. Application method

Those who wish to register as Authorized Users should contact the NIES GOSAT-GW Project G3PA Support Desk (g3pa_desk@nies.go.jp) and receive the "Application Form for GOSAT-GW TANSO-3 Product Archive Authorized User Registration". The application form must be filled out with the necessary information and uploaded to a designated cloud storage service*.

Applicants for Authorized Users (No Observation Requests) must fill in the name of the agreement or other material proving their qualification on the application form if they fall into category (1-1) or (1-2) specified in Qualification Criterion 1, and they must submit a proposal (free format) outlining their data utilization plan on one A4 page as an attachment if they fall into category (1-3).

Applicants for Authorized Users (Observation Requests Available) must indicate which category (2-1), (2-2), or (2-3) specified in Qualification Criterion 2 they fall under, as well as complete the underlined part for category 1. For any category, a proposal outlining the purpose of the observation and the target region and period of the observation must be submitted on one A4 page as an attachment.

In principle, applications for Authorized Users are limited to one person per application, and user accounts are issued to individuals. Attachments may be shared across multiple (individual) applications in the case of a group application.

Those who submit the application form shall be deemed to have agreed to the G3PA Terms of Use and Privacy Policy.

- G3PA Terms of Use: <https://product.gosat-gw.nies.go.jp/en/support/terms-of-use/>
- G3PA Privacy Policy (including the EU General Data Protection Regulation Privacy Policy)
: <https://product.gosat-gw.nies.go.jp/en/user-management/personaldata-policy/tab/>

* To prevent the spread of personal information, applicants should upload the application to a designated cloud storage service. If a user sends the application form as an email attachment, we may not be able to completely delete personal information that has been received.

5. User account creation after review and approval

After receiving the Application Form for Authorized User Registration from applicants, the Two Parties will conduct reviews as needed following the flowchart shown in Figure 1 and send the review results to the applicants. The application status and review results will not be disclosed to the public. Applicants should expect receipt of the review results in approximately 10 business days, but this may vary depending on the content of the proposal.

When an application for an Authorized User is approved, NIES will contact the applicant regarding the process of creating a G3PA user account. If the user already has a G3PA user account, NIES will grant Authorized User privileges to the existing user account, and it is therefore unnecessary to create a new account.

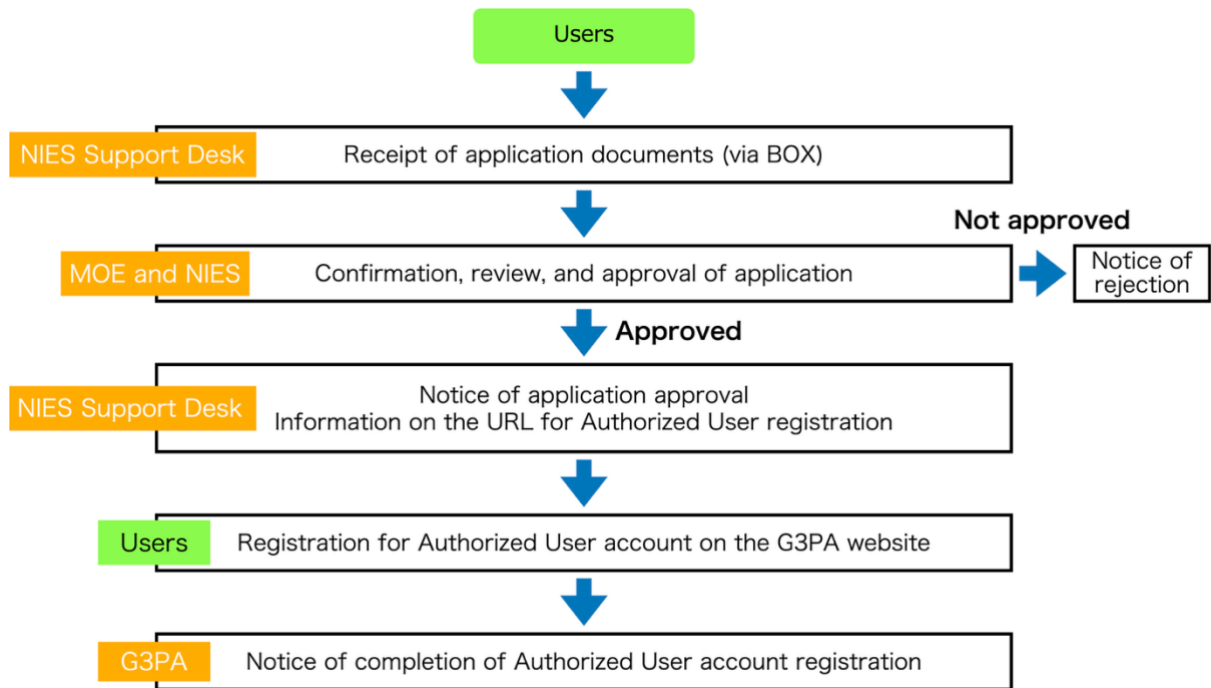


Figure 1: Flow from the Authorized User application to user account issuance.

6. Restrictions on Observation Requests

- The number of observations in Focus Mode is planned to be approximately 100 per cycle (3-day revisit, 44 orbits). The Two Parties will conduct Focus Mode observations over validation sites, urban regions, or other areas. The total number of Observation Requests from all Authorized Users is expected to account for 10% of the total, or approximately 10 per cycle, for the time being.
- Observation Requests are adopted according to priority. If requested observations conflict with higher-priority observations (e.g., calibration, validation, administrative use, etc.), adjustments will be made to avoid the observation time conflict. Should this prove difficult or impossible, the request may be rejected.