



## **Institute of Volcanology and Seismology (IVS)**

### **Far Eastern Branch of Russian Academy of Science**

#### **Kamchatka/Kuriles Volcano Supersite (KKVS) Data Policy**

To avoid conflicts that may arise between research groups, data providers, and Russian Federation authorities because of collecting, using, and publishing the KKVS data, all researchers who intend to access the data are required to respect and follow this data policy that can be expressed by an email to the Supersite Coordinator and GSNL SAC Chair.

##### **1. EO data access**

The EO data provided by the CEOS agencies according to a pre-defined yearly quota. Such data may be provided as open access through different platforms. Each agency grants the right to use the data through a License which refers to the conditions of use. These conditions must be accepted by any person who wants to use the data. Normally the data licenses need to be signed by each user but there might be different procedures, depending on the agency. The license acceptance by any researcher is supervised by the Supersite Coordinator, who is the principal contact point towards the CEOS agencies.

Access to the EO data is granted to researchers only for scientific purposes and only upon the acceptance of the present Data Policy.

In the publication of the results obtained from the EO data, researchers should acknowledge GSNL and the CEOS agencies for providing the data.

Scientists who have obtained results based on the EO data are requested to share their results with the scientific community after publication, in digital format. During emergency situations, the results on the hazardous object and on the area under hazard should be shared with IVS even before publication. Scientists may deposit their results and assign a DOI to their reports before sharing. The Supersite coordinator will ensure that the results provided before publication are used only for the emergency management and that the authorship of the providers is recognized.

##### **2. In situ data access**

The international research community is welcome to obtain the in situ data provided by KKVS, process them, and make the results openly available according to the rules defined below.

In agreement with the IVS-GSNL Data Policy Principles, the following restriction to full and open access is established.

In situ data and results should be made available and open access after publication or in any case within 2 years (“embargo period”) since their collection/generation. During the embargo period, the data/results will only be available to the owner and to his co-authors, while the relative metadata will be openly available so that the community is aware of the data/result existence. Once the embargo period has expired, the data and metadata will be put openly available for all.

Even during the embargo period, the data/result owner is required to share its data with the GSNL community for monitoring purposes, during emergency situations. Before sharing, the owner can protect his authorship by assigning a DOI and one of the recommended data licenses listed in section 3.

### 3. Data licenses

We recommend that ground-based data owners use one of the following Creative Commons licenses for data distribution (<https://creativecommons.org/share-your-work>):

CC:BY:SA - allows others to remix, refine, and build upon the supplied Data/Product, even for commercial purposes, as long as the author is credited and the new creations are licensed under the identical terms. All new works based on supplied Data/Product will carry the same license, so any derivatives will also allow commercial use;

CC:BY:ND - allows for redistribution, commercial and non-commercial, as long as it is passed along unchanged and in whole, with credit to author;

CC:BY:NC - allows others remix, tweak, and build upon the supplied Data/Product non-commercially. The new work must acknowledge an author as well as be non-commercial;

CC:BY:NC:SA - allows others to remix, tweak, and build upon the supplied Data/Product non-commercially as long as the author is credited and the new work will be licensed under the identical conditions;

CC:BY:NC:ND - does not allow for commercial use as well as a change of supplied Data/Product. Attribution is also required.

We also recommend using Persistent Identifiers (e.g., DOI) to uniquely identify the authors of datasets or results, and ensure proper citation.

### 4. Fair data use and capacity building

The use of both EO and in situ data should be performed in the involvement of IVS scientists in collaborative research work. The collaboration should be carried out in such a way as to promote the growth of scientific and technical skills among the IVS personnel, where this is needed.

### 5. Data infrastructures

The KKVS data can be hosted in external infrastructures made available by the GSNL community. Access to the data from the infrastructures will be granted upon acceptance of this Data Policy.

The infrastructure should allow open access to related metadata even for the datasets which are restricted during the embargo period.

The update, curation, and management of the data and metadata is a responsibility of the data owner.

## 6. Cooperation

Any group or scientist based outside of Russian Federation that wishes to install equipment in the area of KKV5 for any data collection has to sign an Agreement of scientific collaboration with IVS and address to the head of IVS international department ([evdokimova@kscnet.ru](mailto:evdokimova@kscnet.ru)) not later than within half a year before planned fieldwork. This is based on the prevailing laws and regulations, procedures, and policies of the Russian Federation government.