



Guidelines for Permanent Supersite proposals regarding in-situ data

The Scientific Advisory Committee (*)
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A. Purpose of this document

This document lists the information requirements about in-situ data that should be provided in permanent Supersite proposals.

B. Criteria for successful proposals regarding in-situ data

Proposals are invited and evaluated by the Scientific Advisory Committee. The definitions for permanent Supersites are listed in the “Geohazard Supersites definitions” document. They should adhere to the format outlined in the CEOS document entitled “Selection process for GEO Geohazard Supersites” (Annex A) and include the information on in-situ data described in the next section. Proposals will be successful if the following criteria are met:

- Site meeting the criteria for a permanent Supersite.
- Complete proposal including inventory of in-situ data.
- Consistency with the data sharing principles of GEOSS.
- Open access to historic and new data (via ftp or a data center such as EMC, ORFEUS, IRIS, Unavco); or reasonable efforts to achieve this (e.g. initial open access to selected data sets with plans for expansion).

C. Required information on in-situ data

Proposals should include the following information:

1. Mission of organization providing in-situ data (e.g. taxpayer-funded monitoring agency or project-funded research organization or university).
2. Relationship to decision makers in government (e.g. information flow to emergency management and civil protection authorities).
3. Letter of support by GEO principal [developed in collaboration with GEO secretariat].
4. Data policy and vision for data access (e-infrastructure, related projects: Epos, Coopius, etc)
5. Comprehensive inventory of historic and current in-situ networks, raw data and data products, and current and planned availability (via ftp, EMC, ORFEUS, IRIS, Unavco, etc, or “no access planned”) (add as section A.12 to the proposal)
 - 5.1 List of networks including periods of operation, station maps (short-period and broadband seismic, campaign and continuous GPS, gas, gravity, etc)
 - 5.2 Seismic data and data products:
 - 5.2.1 continuous and triggered waveforms
 - 5.2.2 phase picks
 - 5.2.3 catalogues (earthquake locations)
 - 5.2.4 station information and one-dimensional velocity models
 - 5.2.5 focal mechanisms



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- 5.3 Geodetic data and data products:
 - 5.3.1 continuous GPS
 - 5.3.2 campaign GPS
 - 5.3.3 strain and tiltmeter
 - 5.3.4 point positions
- 5.4 Other geophysical data sets or data products
 - 5.4.1 high-precision digital elevation models (e.g. Lidar)
 - 5.4.2 gravity (campaign, continuous, absolute, Bouguer)
 - 5.4.3 other potential methods (magnetotellurics, etc)
 - 5.4.4 gas emissions
 - 5.4.5 geospatial information (digital fault maps, etc)
- 6. Concerns about open data access (technical and resource limitations, etc), list of data sets that can't be openly available (e.g. operated by non-participating organizations, restricted, etc)

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