

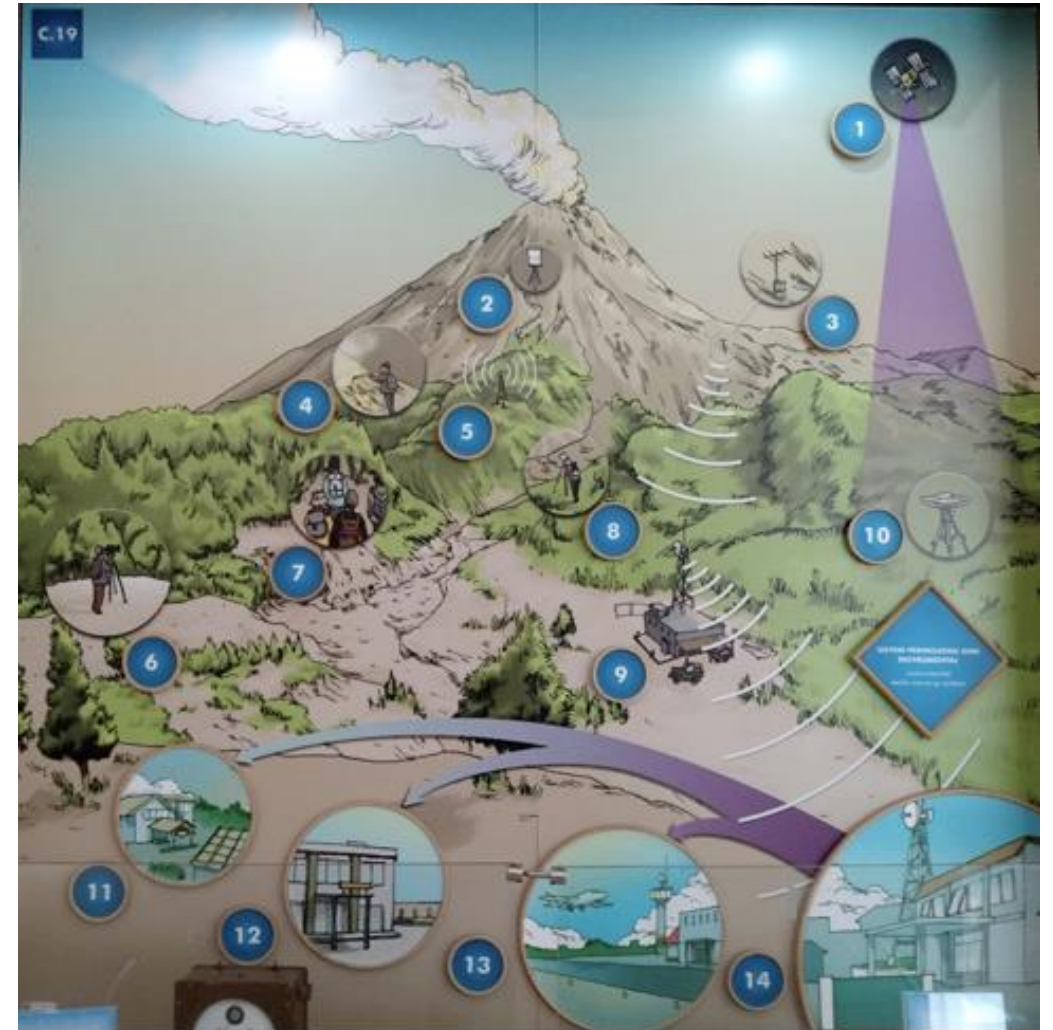
GVMID Data on Volcano Monitoring Infrastructure

*Fidel Costa,
Christina Widiwijayanti,
Nang Thin Zar Win,
Tania Espinosa-Ortega*

WOVOdat team



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE



Source: Merapi Museum, Yogyakarta

GVMID Data on Volcano Monitoring Infrastructure

Provide a database system that contains current information about the amount and type of monitoring system in volcanoes worldwide.

Useful for volcano observatories to learn and compare their systems with those on other volcanoes (number, location and types of instruments). Identification of potential analogues.

Useful for planning additional installations on the ground or complements of measurements from space.



GVMID Data on Volcano Monitoring Infrastructure

Data on instrumentation can be used to evaluate the level of monitoring commensurate to the threat as has been done with the NVIEWS system by the USGS

Data can also be used for UN global assessment reports (GAR) and a relationship with the UNDRR with potential identification of gaps in infrastructure and development of future plans.



GVMID Data on Volcano Monitoring Infrastructure

We have created a database system and web interface based on the WOVOdat database structure and schema.

We have started to populate that database with what is currently available in WOVOdat.





GVMID Data on Volcano Monitoring Infrastructure

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More About GVMID

Documentation

User Manual

Heraklion, Crete

Cities on **VOLCANOES**

2021 Workshop on volcano monitoring infrastructure on the ground and in space

Introduction and rationale of the Global Volcano Monitoring Infrastructure Database: Focus on ground-based observations
Date: 18 - 22 Feb 2021
Time: 8am-12pm (EST)
[Click](#) to see more details.

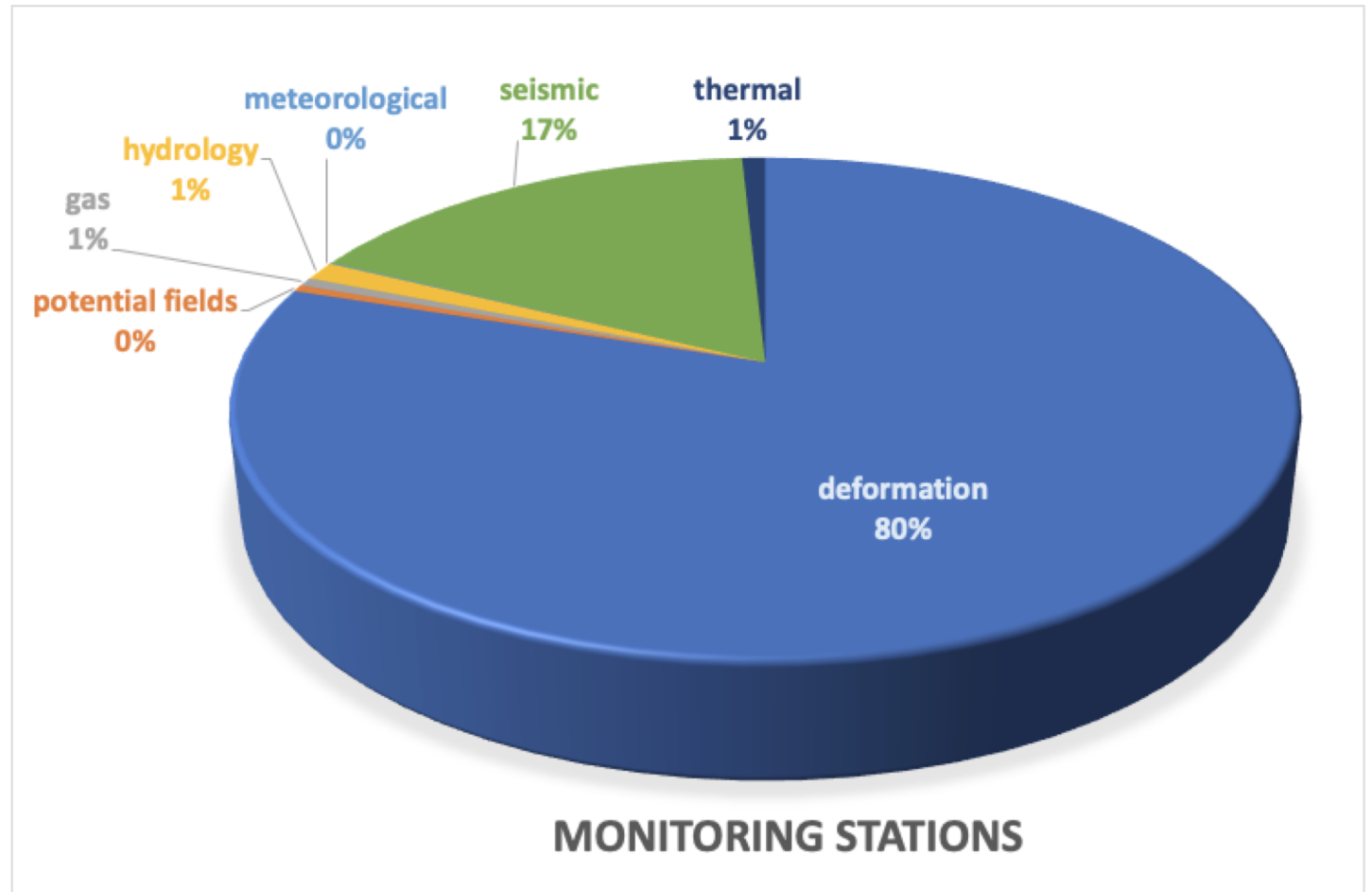
The Global Volcano Monitoring Infrastructure Database **GVMID**, is aimed at documenting and improving capabilities of volcano monitoring from the ground and space. GVMID is closely related to WOVOdat and WOVO (World Organization of Volcano Observatories), and presently hosted at the Earth Observatory of Singapore.

<https://wovodat.org/gvmid/home.php>

About GVMID > Data currently stored in GVMID

Station type	No of data
deformation	16,011
potential fields	92
gas	110
hydrology	243
meteorological	16
seismic	3,365
thermal	167
TOTAL	20,004

Instrument type	No of rows
deformation	10,711
potential fields	73
gas	133
hydrology	446
meteorological	15
seismic	1,991
thermal	165
TOTAL	13,534



As of today, monitoring infrastructure/metadata that already archived in WOVOdat are: >20,000 stations and >13,000 instruments covering more than 200 volcanoes. The data came from various resources (mainly volcano observatory, open catalogs/archives, research project, and references).

GVMID Data on Volcano Monitoring Infrastructure

This is not to replace existing volcano observatory systems. It is not real time data as it depends on how up to date are the contributions.

At WOVOdat we are committed to continue to maintain the GVMID platform but we can't populate it!.

It is critical to get your input about how useful you think it is at the moment and your commitment for data population to ensure the sustainability

