

How to upload data into WOVOdat

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We offer 3 options for users to contribute data:

1. Data entry through *online form* for small amount of data (*for admin and developer team only*).
2. Submission of *original observatory data format*.
Sending a file of any format to WOVOdat; and let the developer team to convert and upload into database.
3. *Data conversion* from spreadsheet file format (CSV, TSV, etc.) into WOVOdat-XML (WOVOml), then upload it into database.

Conversion of CSV file compliant with WOVOdat1.1 standard format

(a) CSV of *monitoring system*:

Table that contain descriptive information (metadata) about monitoring system in specific volcano(es), which include network, station, instrument, airplane, and satellite data.

(b) CSV of *monitoring data*:

Table of data (seismic/deformation/gas/thermal/hydrology/potential fields/meteo) that have been registered by instruments described in the monitoring system (a) above.

(c) Conversion of *customary/specific format data* that has been mapped by WOVOdat.

SUBMIT DATA
For now, the database only accepts data in WOVOdat-XML (WOVOml) format. Please refer to WOVOdat1.1 documentations for detail information on data format.

We offer 3 options for contributors to submit data:

- [Submission of original observatory data format](#).
Send a file of any format to WOVOdat; and let the WOVOdat team convert and upload it to the database.
- Submission of spreadsheet (comma-separated values CSV) file.(<2Mb):
Send comma-separated values CSV file in WOVOdat1.1 standard/compliant format;
 - (a)[CSV of monitoring system](#):
network, station, instrument, airplane, satellite
 - (b)[CSV of data](#):
seismic, deformation, gas, hydrology, fields, thermal, meteoSend comma-separated values CSV file in customary format; known/registered by WOVOdat:
 - (c) [CSV of customary format data](#)

Option below appears for admin or developer team only

- Submission of small amount of data through [online forms](#).
bibliographic, inferred processes, volcano, Observation about volcanic activity, observatory contact information
- [Upload WOVOml file](#)
Upload of WOVOml format file to MySQL database

Checking Tools:
[\[1\]Table check](#) [\[2\]Incoming File](#)

Figure 5. WOVOdat online UI for data submission (conversion and upload).

Submitting data through online conversion

(a) Monitoring system

Conversion of Monitoring System

Input: CSV file of network, station, or instrument information. The data must follow the WOVOdat1.1 standard format

Observatory (data owner):
Philippines,PHIVOLCS

Volcano:
Pinatubo

Type of Data to convert:
...

Browse file to: Browse...

- SeismicNetwork
- SeismicStation
- SeismicInstrument
- SeismicComponent
- DeformationNetwork
- DeformationStation
- DeformationInstrument_General
- DeformationInstrument_Tilt/Strain
- GasNetwork
- GasStation
- GasInstrument
- HydrologicNetwork
- HydrologicStation
- HydrologicInstrument
- ThermalNetwork
- ThermalStation
- ThermalInstrument
- FieldsNetwork
- FieldsStation

- FieldsInstrument
- MeteorologicalNetwork
- MeteorologicalStation
- MeteorologicalInstrument
- Airplane
- Satellite

(b) Monitoring data

Conversion of Monitoring Data

Input: CSV file of seismic, deformation, gas, hydrology, field, or thermal data. The data must follow WOVOdat1.1 standard format

Observatory (data owner):
Philippines,PHIVOLCS

Volcano:
Mayon

File content to convert:
...

Browse file to: Browse...

- EventDataFromNetwork
- EventDataFromSingleStation
- IntensityData
- SeismicTremor
- IntervalSwarmData
- RSAMData
- SSAMData
- RepresentativeWaveform
- ElectronicTiltData
- TiltVectorData
- StrainMeterData
- EDMData
- AngleData
- GPSData
- GPSVectors
- LevelingData
- InSARImage and InSARData
- DirectlySampledGas
- SoilEffluxData

- PlumeData
- HydrologicData
- MagneticFieldsData
- MagnetorVectorData
- ElectricFieldsData
- GravityData
- GroundBasedThermalData
- ThermalImage and ThermalImageData
- MeteorologicalData

(c) Customary format data

Conversion of Customary-format Data

Input: monitoring data, following a specific format which already listed in the WOVOdat

Observatory (data owner):

Data owner 2 (Optional):

Data owner 3 (Optional):

Volcano:

File content to convert:

Browse file to

IntervalSwarmData
ElectronicTiltData
ElectronicTiltData(Post Processed)
RSAM

C-1. Interval Swarm Data

Conversion of Customary-format Data

Input: monitoring data, following a specific format which already listed in the WOVOdat

Observatory (data owner):

Data owner 2 (Optional):

Data owner 3 (Optional):

Volcano:

File content to convert:

Station:

Browse file to convert:

Select

Browse...

C-2. Electronic tilt data (post processed)

Conversion of Customary-format Data

Input: monitoring data, following a specific format which already listed in the WOVOdat

Observatory (data owner):

Data owner 2 (Optional):

Data owner 3 (Optional):

Volcano:

File content to convert:

Station:

Please choose Interval length:

1 minute
10 minutes
20 minutes
1 hour
2 hours

Browse Radial

Browse Tangential or Component file to convert:

Select

Browse...

Browse...

C-3. Electronic Tilt Data

Conversion of Customary-format Data

Input: monitoring data, following a specific format which already listed in the WOVOdat

Observatory (data owner):

Data owner 2 (Optional):

Data owner 3 (Optional):

Volcano:

File content to convert:

Station:

Please choose Process Type:

Raw
Processed
Raw

Browse file to convert:

Select

Browse...

C-4. RSAM

Conversion of Customary-format Data

Input: monitoring data, following a specific format which already listed in the WOVOdat

Observatory (data owner):

Data owner 2 (Optional):

Data owner 3 (Optional):

Volcano:

File content to convert:

Station:

Please Enter RSAMSSAM Code here:

Browse file to convert:

Select

Browse...

Example of conversion processes: *conversion of seismic-component information*

1. User input: online form and submit CSV file (*following WOVodat standard format*)

Observatory (data owner):
Philippines, PHIVOLCS

Volcano:
Parker

Type of Data to convert:
SeismicComponent

Network:
Parker Seismic Network

Station:
Parker_west

Instrument:
Guralp CMG-40T

Browse file to convert:
/Users/eoschristina/Desktop/PHIVOLCS_2012/Submit_data

Input CSV format: si_cmp table

si_cmp_id	si_cmp_code	si_id	si_cmp_name	si_cmp_type	si_cmp_resp
	VPMGW_BB_BHE		GuralpBroadband Horizontal N-S component	horizontal E-W	frequency range: 0.04-25 Hz

si_cmp_band	si_cmp_samp	si_cmp_icode	si_cmp_orient	si_cmp_sens
Broadband	50	BHE	Clockwise, E=90, reversed=270	4.378540e+09 @ 1.000e+00 Hz (SEED Stage 0)

si_cmp_dep th	si_cmp_o ri	si_cmp_co m	cc_i d	cc_id 2	cc_id 3	di_tlt_loadda te	di_tlt_pubda te	cc_id_loa d	cb_id s
2	0	comments					2010-01-31 12:00:00		

2. Converting CSV to WOVOML (WOVodat-XML) format.

Converting Data ...

Time: 2012-02-02 13:50:21

Observatory Name: PHIVOLCS
 Volcano Name: Parker
 File-type: SeismicComponent
 Network Name: Parker Seismic Network
 Station Name: Parker_west
 Instrument Name: VPMGW_BB

Input File Name: VPMGW_BB_BHZ_sl_cmp.csv
 Uploaded Total CSV rows: 1 rows
 Input File Size: 367 bytes

Convert File Name: VPMGW_BB_BHZ_sl_cmp.xml

Successfully converted from VPMGW_BB_BHZ_sl_cmp.csv file to VPMGW_BB_BHZ_sl_cmp.xml file...

If you would like to see the result of VPMGW_BB_BHZ_sl_cmp.xml, please click here to download it:

[Download XML file](#)

XML format: *si_cmp* (seismic component)

```
<?xml version="1.0" encoding="UTF-8" ?>
<wovoml xmlns="http://www.wovodat.org" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
version="1.1.0" xsi:schemaLocation="http://www.wovodat.org/WOVodatV1.xsd">
  <MonitoringSystems>
    <SeismicComponents instrument="VPMGW_BB" owner1="PHIVOLCS">
      <SeismicComponent code="VPMGW_BB_BHE" instrument="VPMGW_BB"
owner1="PHIVOLCS">
        <name>GuralpBroadband Horizontal N-S component</name>
        <type>horizontal E-W</type>
        <comments>comments</comments>
        <respDesc>frequency range: 0.04-25 Hz</respDesc>
        <sampleRate>50</sampleRate>
        <seedBandCode>Broadband</seedBandCode>
        <seedInstCode>BHE</seedInstCode>
        <seedOrientCode>Clockwise,E=90,reversed=270</seedOrientCode>
        <sensitivity>4.378540e+09 @ 1.000e+00 Hz (SEED Stage 0)</sensitivity>
        <depth>2</depth>
        <startTime>2010-06-01 12:00:00</startTime>
      </SeismicComponent>
    </SeismicComponents>
  </MonitoringSystems>
</wovoml>
```

3. Upload XML file to MySQL database.

Are the data issued from a publication? ☐ Yes ☒ No

Select file to upload:

WOVOML file :
 [Browse...](#)

[OK](#)

Please confirm upload

You are going to upload data to WOVodat. These data will be open to the public 2 years after date of occurrence or (if the latter is not available) date of upload.

This file contains the following data

- Seismic instrument: 1 object

[Cancel](#)
[Confirm](#)

Data stored in the database.

localhost | wovoda | si | "Seismic Instrument"

Browse

Structure

SQL

Search

Insert

Export

Import

Operations

Showing rows 1020 - 1022 (1,023 total, Query took 0.0009 sec)

SELECT
FROM
LIMIT 1020 30

<<

<

Page number 35

>

>>

Show 30

row(s) starting from row # 0

in Horizontal

mode and repeat headers after 100

cols

Sort by key Options

None

si_id	si_code	ss_id	ss_name	si_type	si_range	si_gain	si_filter	si_comments	si_resp	si_resp_freq	si_resp_time	si_start_time	si_end_time	si_comments	si_load_date	si_pubdate	ss_id_load					
1569	VPMQW_BB	3308	Guropi CMD-4CT	NULL	nominal 135dB	5.69e+08	High pass filter		3	Frequency range: 0.04 - 25 Hz	NULL	2008-12-10 04:00:00	NULL	9999-12-31 23:59:59	NULL	comments	169	NULL	NULL	2012-02-01 07:53:42	2010-12-10 04:00:00	1
1570	VPRST_SP	3308	L4-3816	NULL	NULL	6.82e+07	NULL		1	Frequency range: 1 - 10 Hz	NULL	2008-01-11 04:00:00	NULL	9999-12-31 23:59:59	NULL	comments	169	NULL	NULL	2012-02-01 07:54:19	2010-01-11 04:00:00	1
1571	VPHSE_SP	3307	L4-3816	NULL	NULL	6.82e+07	NULL		1	Frequency range: 1 - 10 Hz	NULL	2008-01-11 04:00:00	NULL	9999-12-31 23:59:59	NULL	comments	169	NULL	NULL	2012-02-01 07:54:46	2010-01-11 04:00:00	1

Check All / Uncheck All With selected: Change Delete Export

<<

<

Page number 35

>

>>

Show 30

row(s) starting from row # 0

in Horizontal

mode and repeat headers after 100

cols

Query results operations

Print view

Print view (with full texts)

Export

Display chart

Create view