

SUMMARY OF THE EXUPERY STATUS MEETING

JUN 12–13, 2008, HAMBURG



Thursday (12. 6.) session

Status of the different projects inside the 5 work packages was presented; main discussion points were the data volume and format of data which were generated with respect to the VFRS.

Monitoring the activity of the Azores	A. Montalvo
WP1: Status report of the Groundbased Deformation Monitoring System	G. Läufer
WP1: Status of Mini-DOAS techniques	B. Galle
WP2: Monitoring volcanic SO ₂ plumes using the GOME-2 satellite instrument: Status and outlook	P. Valks
WP2: Hot spots characterization	K. Zakšek
WP2: Interferometric observation with satellite data – with the Fogo and Stromboli volcanoes	X. Ying
WP5: Genetic algorithm and simulated annealing as powerful inversion tools for volcano deformation source modelling - first results from Italian volcanoes monitored by InSAR	M. Shirzaei
WP5: ARTMOTIV - Algorithmus zur Echtzeit-bestimmung von Centroid-Momententensorlösungen für langperiodische vulkanische Ereignisse	L. Krieger
WP5: Status report of the Event Detection and Classification System	M. Ohrnberger
WP3: Automatic Alert Level Estimation using Artificial Intelligence	M. Beyreuther

Friday (13. 6.) session

Two additional presentation concerning the future work; main discussion point was the data format.

WP4: The test experiment March-Aug. 2009

M. Hort

WP3: Prototype data model of the VFRS data base

H.-P. Stittgen

Agreed formats

- mini SEED for 1D data (GPS coordinates time series, SO₂ flux, temperature, etc)
- GeoTIFF and GridAscii format for any raster data (fringes, SO₂, temperature, etc)

Data levels

There are two levels of information which are needed by the users of the VFRS.

Level one users only need access to final results which can be looked at (GIS level) and are used for the final decision making process. There is no need to access the raw or meta data other than displaying them through the GIS interface.

Level two users need to access the data and metadata in order to run various models. They may need some more information on the data and metadata than is needed by level 1 users in order to properly run their models. This includes WP5 and WP3. They will then provide their results to the system so the results can be looked at by level 1 users.

Tasks

Each project provides a sample data set to H.-P. Stittgen (stittgen@sdac.hannover.bgr.de) for setup purposes of the data base before the Geotechnologien status seminar takes place. Each data set should include a short descriptive file, which will be used to prepare a XML metadata template (e.g. quality and other relevant information), which will be stored in the central data base. Therefore, it is really important that you all send your sample data at latest by October 1st to H.-P. Stittgen.

Please send contacts of all new members of the Exupery working group to Klemen Zakšek (klemen.zaksek@zmaw.de); at the end of the document please find a current contact list.

Please finish your part of the web site (<http://t3projects.zmaw.de/Introduction.193.0.html>) because the page will be shown to public in the next few days (<http://www.exupery-vfrs.de/>).

The next status meeting will take place in the first half of December. We will test the database and discuss the logistic part of the field campaign in Azores. Suggestion for meeting date: Dec. 8–9.12.2008. Please respond if that is not possible.

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