

WOVOdat Database: Progress Report 2013

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Since 2009, the World Organization of Volcano Observatories (WOVOdat) Database project has been hosted by Earth Observatory of Singapore. The main purpose of the project is to build a platform for easy access to the historical data of volcanic unrest which would be useful for observatory scientists during volcanic crises. The database stores processed monitoring data.

WOVOdat website www.wovodat.org provides tools for comparing unrest between a volcano and its analogues, or between several unrest episodes of one single volcano. Graphical tools for side-by-side comparisons are now operational. Later, WOVOdat will include tools for pattern recognition and event probability estimation.

WOVOdat also prepared a stand-alone or local server version of the WOVOdat system, including web based interfaces for data entry and visualization, which could be used by observatories for their own database system.

WOVOdat is developed for the community of volcano observatories. Uploading data can be done by observatory staff and/or by WOVOdat staff. Although the WOVOdat system development is finally completed, a huge amount of unrest data from many volcanoes remains to be uploaded. We are making progress, and invite your help.