Belmont Forum

E-INFRASTRUCTURES & DATA MANAGEMENT Collaborative Research Action

FUTUREVOLC

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Scoping Workshop

November 28-29, 2016

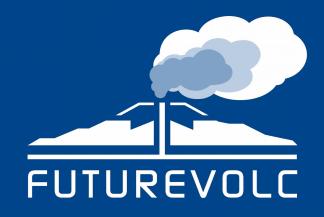
ANR, Paris





2012-2016 FutureVolc

- European Comission FP7 project
- Leaders : University of Iceland and the Icelandic Meteorological Office



- "Long-term monitoring experiment in geologically active regions of Europe prone to natural hazards: the Supersite concept"



2012-2016 FutureVolc

Objectives:

Integration of space and ground based observations for improved monitoring and evaluation of volcanic hazards, and open data policy



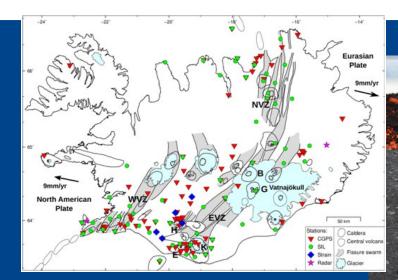
 → 26 European partners including scientists, private companies,
 Government and Civil Protection



e-Infrastructures & Data Management

Multidisciplinary data set:

- seismic
- gas
- hydrological
- Global Positioning System (GPS)
- weather (wind, precipitation..)
- ground, air and satellite-based radar and optical images
- ground and satellite based infrared images





e-Infrastructures & Data Management

One web interface to gather:

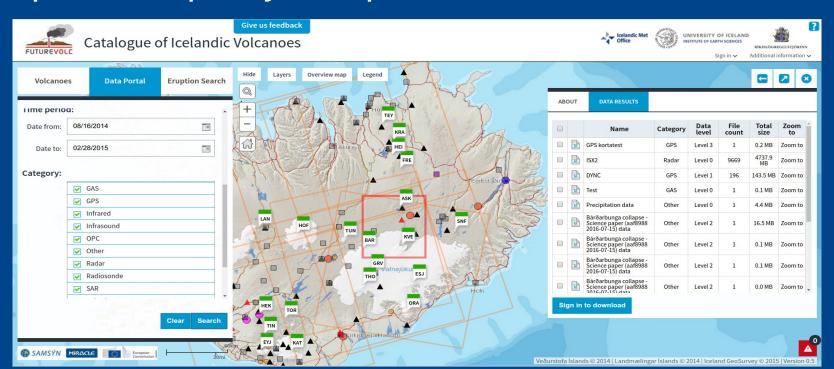
- a database of the Icelandic volcanism

- a data portal with open data policy for specific

events

→ futurevolc.vedur.is





e-Infrastructure and Data Management issues

- Defining the format of the data and metadata
- Nature of the platform to support the data streaming in real-time/managing access rights/data storage
- Possibility of embargo for a limited time period for certain type of data before open access
- Time consuming and major effort to ensure interoperability of various computer systems used to collect data for monitoring and research on volcanoes. Requires special effort by all partners in a project

e-Infrastructure and Data Management issues

- Different view of scientists when and how data should be open, and lack of full understanding of the benefits of open data policy.
- Deliver in real-time data that are still discussed for hazard assessment and that can be used by third part

e-Infrastructure and Data Management

- Make decision regarding the e-infrastructure prior to up the beginning of the project
- Use EPOS (https://www.epos-ip.org) requirements to define a uniform format for data and metadata
- In case of hazard assessment, use another private platform to avoid any confusion in media or social networks

