

Background

One of the aims of EUROVOLC is to raise awareness and share data by exploiting existing tools for hazard and risk. Here we present the ongoing effort within EUROVOLC WP12 to create an online tool to collect information from people witnessing volcanic events at European or other volcanoes.

In the recent past, building on the experience from earthquakes, and from the trans-national effects of Eyjafallajökull eruption, European research groups have built tools (e.g. questionnaires or apps) for facilitating the collection of data by citizens. These efforts are presently fragmented across Europe (and across the world).

Aim

The EUROVOLC citizen science tool will provide single-platform access to observations of volcanic events collected across Europe. Opening July 2020

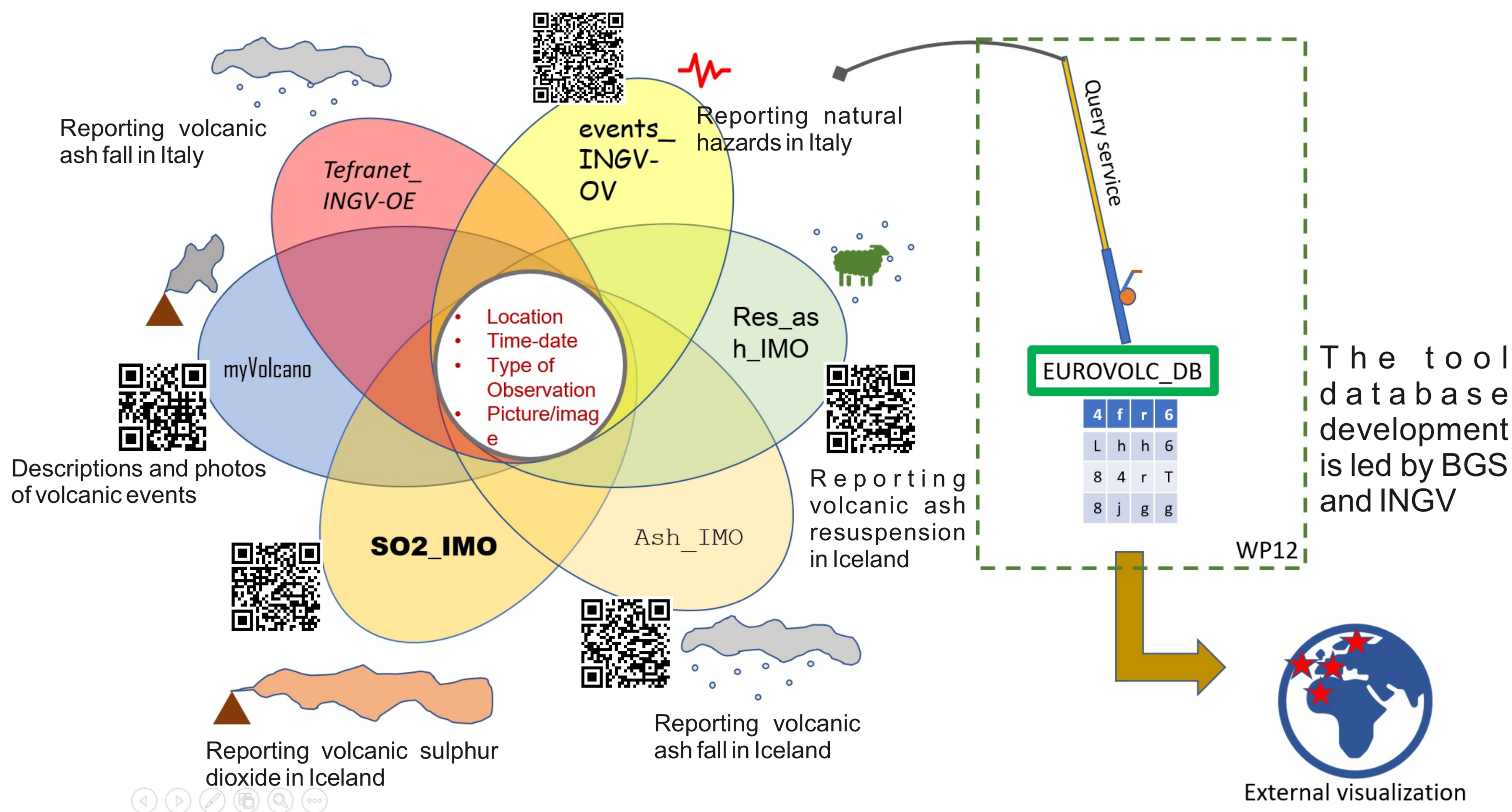
Tool development and features

1. We conducted a survey of existing citizen science tools in volcanology.



Scan the QR code to see the list

2. Six of the existing tools (see figure) allow observations to be recorded and accessed in real-time. EUROVOLC tool will collate the common data types collected by them (location, time-date, type of observation, picture/image, free text observations)



3. New tools (European, global?) will be incorporated as they become ready to share data in real-time

4. Users will be able to record new observations directly into the EUROVOLC tool, or choose to be directed to one of the other tools

5. EUROVOLC tool will allow visualizing on a map the data in which the users are interested in, that can be selected by region/country, by recording time, or by type of event

6. Users will be able to download the data which they have selected