

British Geological Survey

### Gateway to the Earth

# Updates to the eruption source parameter database

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## Progress

- The eruption source parameter dataset as it currently stands has been converted into an SQL queriable database
- Efforts are underway to update the information in the database:
  - A working group comprising scientists from around the world with expertise in the assignment of source parameters and modelling ash dispersion has been developed to discuss and inform an updated database
  - The VAACs were surveyed to identify their current use of the database, and their requirements for such a database
  - Statistical evaluation of the VAAs to:
    - **1.** Validate information in the database
    - 2. Understand trends in eruptive activity
    - 3. Investigate relation between parameters defined by analysis of deposits and requirements of VAACs
  - Once the database is updated, it will take approx. two weeks to build the online platform based around the current LaMEVE database

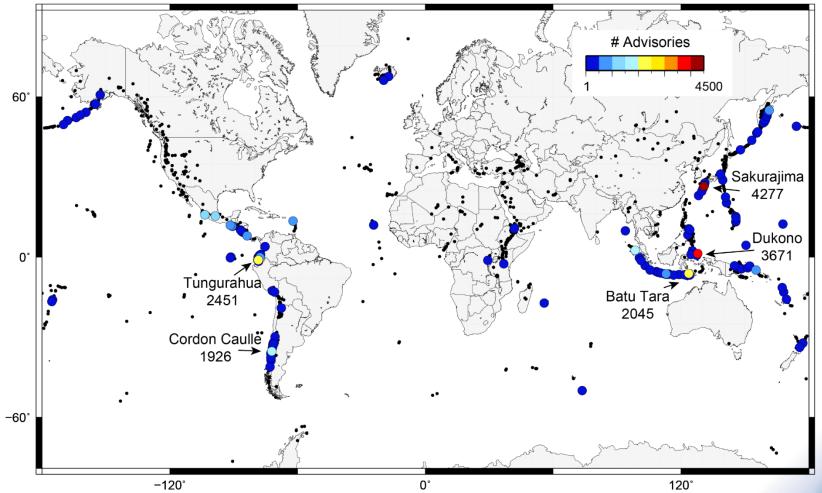


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### Analysis of VAAs



 Advisories from 132 volcanoes, of which 28 noted as 'insufficient information to characterise' in the ESP database, and 7 from volcanoes with no historical observations of eruptive behaviour



### Analysis of VAAs

