Quality Assurance Catalogue of Icelandic Volcanoes – Eruption Search (data content)

V 1.0

The Catalogue of Icelandic Volcanoes (CIV; www.icelandicvolcanoes.is) has two main features (shown in red boxes on Figure 1). The **Volcanoes** feature provides background knowledge on known behaviour and hazards of 33 active volcanic systems in the country. Each volcanic system has a dedicated chapter written by the scientist(s) with the best knowledge on individual systems. The **Eruption Search** feature is an open access eruption dataset provided in Excel format, containing volcanological observations and information on individual eruptions (e.g. eruption type and composition, different eruption source parameters and impact of eruption). The aim of the database is to create an initial data access source for researchers and stakeholders, facilitating the search for data, such as input data for different types of models, by Volcano Observatories, Volcano Research Institutions and other operational institutes. The data in CIV can be updated as often as needed.

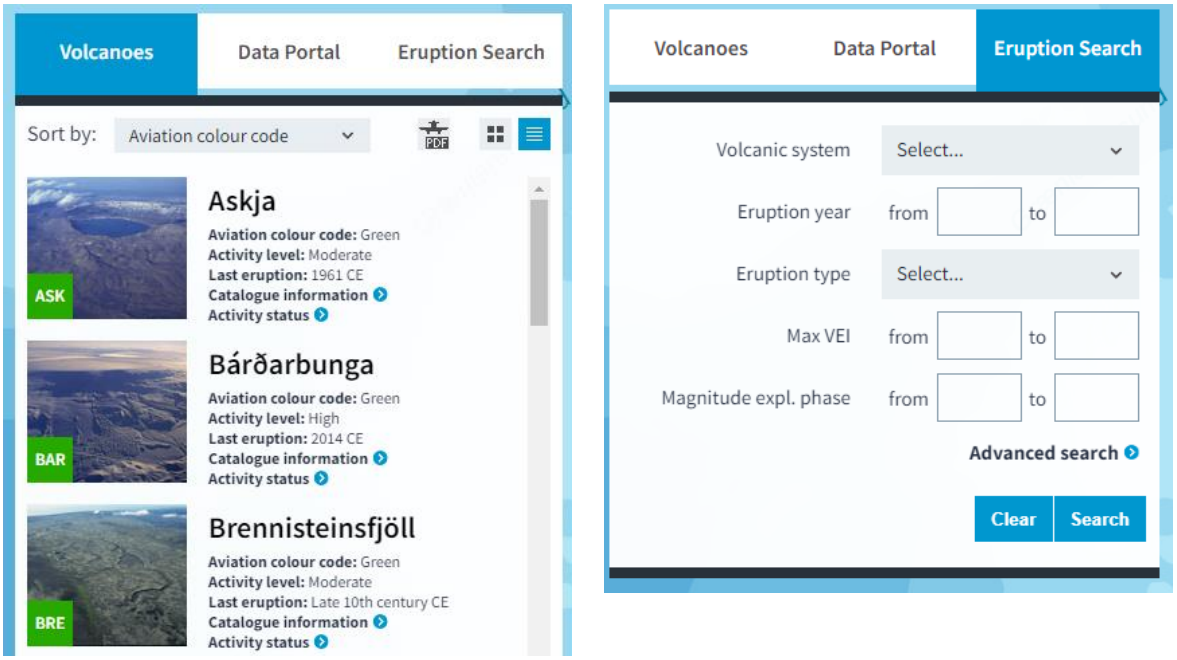

Figure 1: The two main functions of the CIV, Volcano list (left) and Eruption Search (rigt)

The **Eruption Search** Excel table includes 77 columns containing background information on the volcano producing the eruption under consideration, event information (start, end, ect.), eruption type, eruptive products, eruption impact and data quality. The EUROVOLC deliverable report D4.3 https://eurovolc.eu/wp-content/uploads/2021/08/D-4.3-af-ecas.pdf gives further guidelines on the exact type of information that should be included in each column of the data table and the collected material. The data table is filled in by specialists on individual volcanoes and eruptions, preferably using material from peer review published articles, but sometimes unpublished material is used. References for all columns in the data table are included in one cell per eruption.