

Weidenfeller, Michael; Eberts, Andreas; Schmidt, Bernd; Riße, Andreas

Integrated geological map of the East Eifel Volcanic Field (EEVF)

Landesamt für Geologie und Bergbau Rheinland-Pfalz, Deutschland;
michael.weidenfeller@lgb-rlp.de

The Quaternary East Eifel Volcanic Field (EEVF) is an area that is subject to a wide variety of land use and economic interests. Many of these, such as the search for drinking water, CO₂-extraction and mineral mining, rely on the availability of precise geological information about both the shallow subsurface and the deeper underground. In addition, several upcoming research projects in the area of the EEVF focus on scientific and applied geological questions for which detailed knowledge of the regional geology is an important prerequisite. To meet these requirements, we prepare a new and integrated geological map of the EEVF including a total of 9 geological cross-sections of the subsurface. We not only focus on geology and tectonics but also on issues such as seismicity and volcanic gas geochemistry to yield insights on potentially active magmatic processes in the EEVF.

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