

## **New bedrock geological map and database of Finland 1:1 000 000**

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The new geological map of Finland in the scale 1:1 million is a printed map that is delivered together with a new 1:1 million bedrock database.

The printed map shows rock associations and their tectonic environments as well as structures and dyke swarms. The legend is based on a tectonic interpretation. It is designed to show large lithospheric units – tectonic provinces – and amalgamation of these provinces to form a continental crust at 1.9 Ga. A Guide book includes description of the tectonic provinces and their boundaries, as well as a plate tectonic model that spans from Neoproterozoic to Quaternary. The model focuses on Paleoproterozoic events: rifting of the Archean crust, opening of oceanic basins, and closing of the oceans during collisions.

The database includes information of each rock association like age, stratigraphy and tectonic setting. Thus the database serves as a tool for several different map interpretations.