

GEOLOGICAL MODELLING OF THE NEAR-SURFACE IN SUPPORT OF UNDERGROUND URBAN PLANNING. GEOLOGICAL SURVEY OF SWEDEN.

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The purpose of SGU's 3D models for urban areas is to better provide society with geological data for infrastructure projects and underground planning. The visualization and modelling strategies vary, depending on the regional geology and available data. However, they are all based on the collection, digitalization, harmonization and interpretation of external information which, together with SGU's existing data, is integrated into a 3D model. Currently the Survey has focus on Stockholm, Göteborg and Malmö. The presentation will include examples of the various datasets, how they are visualized and made available to potential users. The models are only at a very early stage of development and will never be considered 'finished'. To be useful, they will require continuous upgrading to improve both the content and level of detail.