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## FCC subsurface investigations into areas of geological uncertainty

*Wednesday 7 June 2023 14:30 (30 minutes)*

This presentation will give an update on the subsurface site investigations planned for 2024 and 2025 in the areas of highest geological uncertainty on the proposed future alignment of the FCC.

Beginning briefly by presenting why having a robust 3D geological subsurface model is essential for civil engineering studies, it will go on to describe the level of detail and certainty in the current models as well as highlight where the most uncertainties lie. It will then introduce the types of subsurface investigations planned and present a summary of each of the eight individual sectors describing what CERN is hoping to achieve by carrying out investigations in these areas. The presentation will conclude by describing how results from the investigations will be incorporated into the civil engineering cost and schedule update and will briefly outline the next steps for subsequent future investigations.

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