GeoRepNet - The Geological Repository Network

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The disposal of waste, including nuclear waste (from the nuclear power industry and other nuclear applications) and carbon dioxide (to reduce carbon dioxide emissions and associated greenhouse warming) constitutes one of the major environmental technical challenges of the 21st Century. One way to address this challenge is to construct subsurface geological repositories in which this waste can be stored over long-term (>millennia) timescales. In the GeoRepNet network we are developing a three-year collaborative network to investigate and prioritise the major challenges involved in the design, construction and maintenance of geological repositories.

The overall objective of the GeoRepNet network is to: bring together a wide diversity of scientists and instrument designers to consider and prioritise the key scientific and technical challenges in understanding the geophysical, geochemical and biological processes that influence the establishment, operation and monitoring of geological repositories and to create a strong link with technology translation and instrument development.

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