

# Westmorland Geological Society

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## Deep geological disposal of radioactive waste: The role of geoscience

**Dr Jonathan Turner, Radioactive Waste Management**  
**Wednesday 21 October 2020**

This lecture will be hosted live on Zoom, 19.15 for a 19.30 start  
email [westmorlandgeolsoc@gmail.com](mailto:westmorlandgeolsoc@gmail.com) to register

Britain has been accumulating radioactive waste for more than 70 years. RWM is engaged in delivering one of the largest environmental projects ever undertaken in Britain: a deep geological disposal facility (GDF) in which higher activity radioactive waste from England and Wales will be disposed of permanently. RWM will evolve to become a prime investor in the UK subsurface and GDF delivery creates attractive new career opportunities for a broad range of geoscience practitioners.

This presentation has two main aims: to give a flavour of the range of geoscience skills that will be needed to support the GDF programme; and provide an introduction to some of the 'whats' and 'whys' of radioactive waste disposal.

GDF delivery is one of the most challenging major infrastructure programmes with direct bearings on the current debate on our energy future. Its unique blend of science and technology, design and engineering, and science communication means that the GDF programme offers exciting possibilities for training and career development across the geoscience community.

Jonathan Turner is Chief Geologist for Radioactive Waste Management. Jonathan had a successful career in oil & gas exploration, working for major companies on some of the most technically and environmentally challenging projects in the world. He also led the graduate development programme for some 60 international exploration geoscientists in a large UK PLC. For fifteen years he was a lecturer and researcher at the University of Birmingham.



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