

# Nuclear Waste Management: Research Challenges for the Future

Cambridge, 28–29 September 2010



Management of the UK's nuclear waste presents a major challenge to current and future generations of scientists and technologists, and to existing infrastructure and institutional arrangements. Young researchers entering the field now and over the next four decades will need to build and communicate an integrated understanding of the multi-scale processes involved in the processing, packaging, disposal and regulation of a wide variety of materials designated as nuclear waste.



The dual focus of this meeting – on cutting edge research and the need to build communities to meet new skills needs – is intended to attract a diverse audience, especially those in the early stages of their careers, not only from universities and research institutes, but also from industry, government, regulators and other institutions.



## Themes

- Characterization of wastes
- Stabilization of high level wastes (glasses, ceramics)
- Long-term behaviour of engineered barriers (containers, buffers, backfills) in geological conditions
- Retention, retardation and reactive transport of radionuclides
- Total system performance, models and uncertainties
- Skills/training/careers
- Suggestions of other topics welcome



The meeting is being co-organized by the Geological Society and the Mineralogical Society.

The convenors are:

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Go to [www.minersoc.org/pages/meetings/nuclear/nuclear.html](http://www.minersoc.org/pages/meetings/nuclear/nuclear.html) for further information.

Registration will open on 3<sup>rd</sup> May 2010.

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