



# Radioactive Waste Management

## National Geological Screening

### Public consultation response

When complete, please email to [NGSconsultation@nda.gov.uk](mailto:NGSconsultation@nda.gov.uk) or send by post to: National Geological Screening Consultation, Radioactive Waste Management, Building 587, Curie Avenue, Harwell, Didcot OX11 0RH.

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#### Question 1:

To what extent do you think our proposed approach to providing national-scale existing information about geology relevant to long-term safety is appropriate? Please give your reasons.

I think your approach is appropriate, however I think the geological map needs to be re-coloured using a more user friendly legend. In my eyes the legend should consist of 4 colours: one for higher strength rocks, one for evaporites, one for lower strength sedimentary rocks and one for all other rock types.

At the workshop in Belfast was some discussion that members of the public could interpret this as providing processed information. My thoughts are that each geology map is an interpretation of the available information incorporating the professional skill and expertise of the geologist(s) producing the map. A geology map at 1:10,000 scale will look very different to a geology map at 1:625,000 scale (the proposed scale for the national screening), as certain rock unites have to be grouped together and simplified.

#### Question 2:

To what extent do you think that the proposed national information sources are appropriate and sufficient for this exercise? Please give your reasons.

To the best of my knowledge not all information listed is available in Northern Ireland. For example the BGS baseline chemistry and dominant geochemical processes report series.

During the workshop it was noted that a national earthquake map would be useful.

**Question 3:**

To what extent do you agree or disagree with the proposed form of the outputs from geological screening? What additional outputs would you find useful?

An interactive map viewer where layers can be switched on and off would be useful. It would be useful if the map viewer could also display 3-D sections in an intuitive way. For example a section line is shown on the 2-D map – the two halves of the map move apart and upwards thus showing the section of the underground.

**Question 4:**

Do you have any other views on the matters presented in the draft Guidance?

No.