Countries without NPPs needs convincing solutions for the safe and affordable disposal of RW

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Highlights

- In countries like Austria, Denmark, Greece, Portugal, Serbia, the wastes arise from medicine, industry and research as well as the operation and decommissioning of nuclear research facilities like research reactors.

- Usually the spent fuel is returned to the manufacturer.

- The amount of LILW-LL (possibly not appropriate for near surface disposal) is less than a few hundred tons.

- Is the solution a multinational disposal facility? There are many political problems and it seems difficult.

- These countries need a small scale Geological Disposal facility for ILW (IAEA SSS No. GSG-1).

- Possibly extension of the generic borehole disposal concept.

- Countries with a high progress in geological disposal projects possibly should take over, during the future Euratom projects, a lighthouse function for those countries.

Some thoughts

- This solution is easier to be implemented than a DGD. Which will be the benefits in case this solution is implemented in the next decades in some European countries?
- Will this solution be interesting also for countries with NPPs?
- Is there worldwide interest for such a solution?
- There is research staff in the countries without nuclear power program, with relevant know-how which can undertake the research for their own case