



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

**Anastasia Savidou
National Centre for Scientific Research "Demokritos"**

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

J. Feinhals, D. Kemp, A. Savidou, Disposal Facilities for Countries without Nuclear Power Programme, proceedings of the European Research Reactors Conference, pp. 52-61, Berlin, 13-17 March 2016.

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