

## **IAEA Global Support of Decommissioning Implementation with a Focus on Advanced Technologies**

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Recently there are about 140 power reactors in decommissioning phase worldwide excluding 17<sup>+</sup> that might be considered as decommissioned. In addition, more than 400 other nuclear facilities, such as research reactors or nuclear fuel cycle facilities, have been shutdown for decommissioning, have been undergoing active decommissioning or have already been fully dismantled.

The IAEA provides various kind of support for Member States including publication of safety and technical reports providing guidance, recommendations, experiences, good practices and lessons learned covering the preparatory and implementation decommissioning phases. Many training courses, workshops, seminars etc. were organized to support sharing of good practices among specialists and organizations involved. In line with the non-technical aspects, such as decommissioning planning, costing, managerial approaches etc., there are also presented and discussed technical solutions often with a focus on the advanced technologies to be considered. Several completed and ongoing IAEA initiatives partially or fully address the advanced approaches and techniques to support safe and effective implementation of decommissioning projects.

The presentation will provide an overview of relevant activities organized so far and perspectives of the IAEA on advanced technologies for decommissioning.