

**Workshop on
" International Workshop on Application of Advanced Plant Information
Systems for Nuclear Decommissioning and Life-cycle Management "**

**3 – 5 December 2018
Hotel Scandic Lillehammer, Norway**

Group Discussion Summary

Moderator: Richard Reid, EPRI

Topic 1: Sharing Experiences in the Development of Digital Tools

The initial focus of the group was a discussion of software products. There was a consensus opinion that off-the-shelf software should be used to the extent practicable, as opposed to development of new software modules. Further, it was noted there should be a preference on the use of open-source software when available. The group generally agreed that the necessary modules already existed, and that the required effort was mainly in identifying and integrating the different modules to develop digital tools tailored to decommissioning applications.

A follow-on discussion centered around development of a generic roadmap for integrating software modules. The discussion included considerations for funding such generic development, and for distributing the resultant guidance. The concept of starting a decommissioning software user's group came out of this discussion. The group then discussed who might organize such a group, with the IAEA, EPRI, NEA and the European Commission offered as potential leads. EPRI indicated they would be consider publication of general guidance for use of software tools during decommissioning, but didn't commit to organizing a user's group. The group agreed a user's group would be a good idea, and the idea should be discussed in future meetings.

The final sub-topic discussed was whether it was too late to start an initiative to develop guidance for use of software tools, including integration of commercially available modules, given that efforts were already underway within a number of organizations to develop their own approaches. The consensus was that it was not only not too late, but that there would be good value in capturing what has been done and encouraging standardization across the industry in the digital tools area.

Topic 2: Use of Internal versus External Resources for Decommissioning Planning and Execution

This topic was discussed only briefly due to time constraints. The consensus was that it was preferable to use primarily internal resources, but that use of some external resources with practical decommissioning experience would typically be necessary. A key area for development is on guidance for transitioning staff from plant operations to decommissioning tasks. This includes not only training in the conduct of new tasks, but changing from an operational to decommissioning safety culture and mindset.