**Integration Group for the Safety Case (IGSC) Symposium 2024**  
*MOVING TOWARDS THE CONSTRUCTION OF A SAFE DGR – GETTING REAL*

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| **Abstract Title:** **The IDKM Working Party: History, Results to Date and Future Plans** | |
| **Abstract (300-500 words):**  The Information, Data and Knowledge Management (IDKM) Working Party (WP) was formed at the start of 2020 to coordinate Nuclear Energy Agency’s (NEA) activities related to IDKM for radioactive waste. The WP lies under the Radioactive Waste Management Committee (RWMC) under the NEA committee structure and is administered by the NEA Radioactive Waste Management Division (RWMD). The WP acted as successor to three related former NEA work items:   * *The Records, Knowledge and Memory (RK&M) project* which explored how records, knowledge and memory may be preserved over the long-timescales associated with geological disposal; * *The Repository Metadata (RepMet)* *initiative* which explored how metadata could be used to facilitate improved data and information management for radioactive waste management and disposal; and * *The Expert Group on Waste Inventorying and Reporting Methodology* (EGIRM) which developed an approach for countries with different waste types and classification schemes to present their inventory data using a common format.   A workshop on the IDKM-related future needs for radioactive waste management was held in Paris in 2019 and led to the formation of a roadmap listing outstanding questions and associated work items. This roadmap was passed to the WP to take forward and use to inform its Programme of Work.  In its inaugural meeting in 2020, WP members established a number of expert groups under the WP to deliver detailed elements of the technical work. As of October 2024, these are:   * The Expert Group on a Data and Information Management Strategy for the Safety Case (EGSSC); * The Expert Group on Knowledge Management for Radioactive Waste Management Programmes and Decommissioning (EGKM); and * The Expert Group on Archiving and Awareness Preservation (EGAAP).   A key motivation for the WP was to provide a *holistic* treatment of IDKM issues related to radioactive waste management. Here holistic means that consideration should be given to developing an integrated treatment considering all users, whether technical or non-technical, and over all repository timescales of relevance. This has led to a diverse programme of work which covers topics from working with safety case authors and regulators to begin to develop the concept of a *digital safety case* and associated change management approaches, to knowledge retention approaches as the nuclear workforce ages, to archiving large volumes to technical and interrelated data across multiple disciplines, to long-term preservation of the awareness of a geological repository to future unknown societies.  In this presentation, an overview of the IDKM WP and it’s EG’s will be presented. This will include a history of the working party (including signposts to past projects and their outputs), work currently underway by the WP and its EG’s, together with outputs and conclusions developed to date, and a summary of future work set into a long-term IDKM vision. | |