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

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| **Abstract Number: 13** | **Poster P9.1** |
| **Author:** Jozsef Fekete1, Arne Berckmans2, Martin Elias3, Ulrich Noseck4  *1 Public limited Company for Radioactive Waste Management (PURAM), Hungary*  *2 ONDRAF/NIRAS, Belgium*  *3 Radioactive Waste Repository authority (SÚRAO), Czech Republic*  *4 Gesellschaft für Anlagen- und Reaktorsicherheit (GRS)gGmbH, Germany*  e-mail: [fekete.jozsef@rhk.hu](mailto:fekete.jozsef@rhk.hu) | |
| **Abstract Title:**  Set of Essential Records (SER) - A mechanism to preserve essential information about a repository to future generations | |
| **Abstract (300-500 words):**  The concept of a set of essential records (SER) was developed to assist radioactive waste management professionals in the selection of records deemed essential to aid future generations to make informed decisions, aid repository post-closure generations in evaluating repository safety. The SER includes records related to repository characteristics, design and performance.  The procedure developed to identify and select the essential records from the vast number of records produced during a repository program has been applied to national programmes and experiences and lessons learnt have been compiled.  This poster demonstrates how the generic SER method can be implemented with respect to national regulations and specific needs. The poster will cover the following aspects:   * What is the SER? * Why consider the SER? * How to select records * Applications to national programmes or specific cases   + Belgium – ONDRAF/NIRAS   + Czech Republic - SÚRAO   + Germany – Konrad site   + Hungary – PURAM * Considerations about the SER process * SER’s contribution to the Safety Case * Conclusions and future perspectives   Complementing the oral presentation on “Experiences on the preservation of essential information, data and knowledge gathered throughout repository implementation and operation” at this conference the poster is providing more details about the SER concept and particularly about the experiences gained from first, very different applications by organisations from Belgium, Czech Republic, Germany, and Hungary. It will also discuss different perceptions of and different ideas to apply the SER concept as well as different responsibilities in national cases.  The Working Party Information Data and Knowledge Management (WP-IDKM), an initiative working under the auspices of IGSC, is continuing to further develop the SER concept in one of it's expert groups. Future work related to the SER includes research on using advanced technologies to support the selection of essential records. An outlook on the currently planned work will be given. | |