

EURAD-2 WP02 KNOWLEDGE MANAGEMENT

Call for Authorship Info meeting – 07/05/2025
DI documents

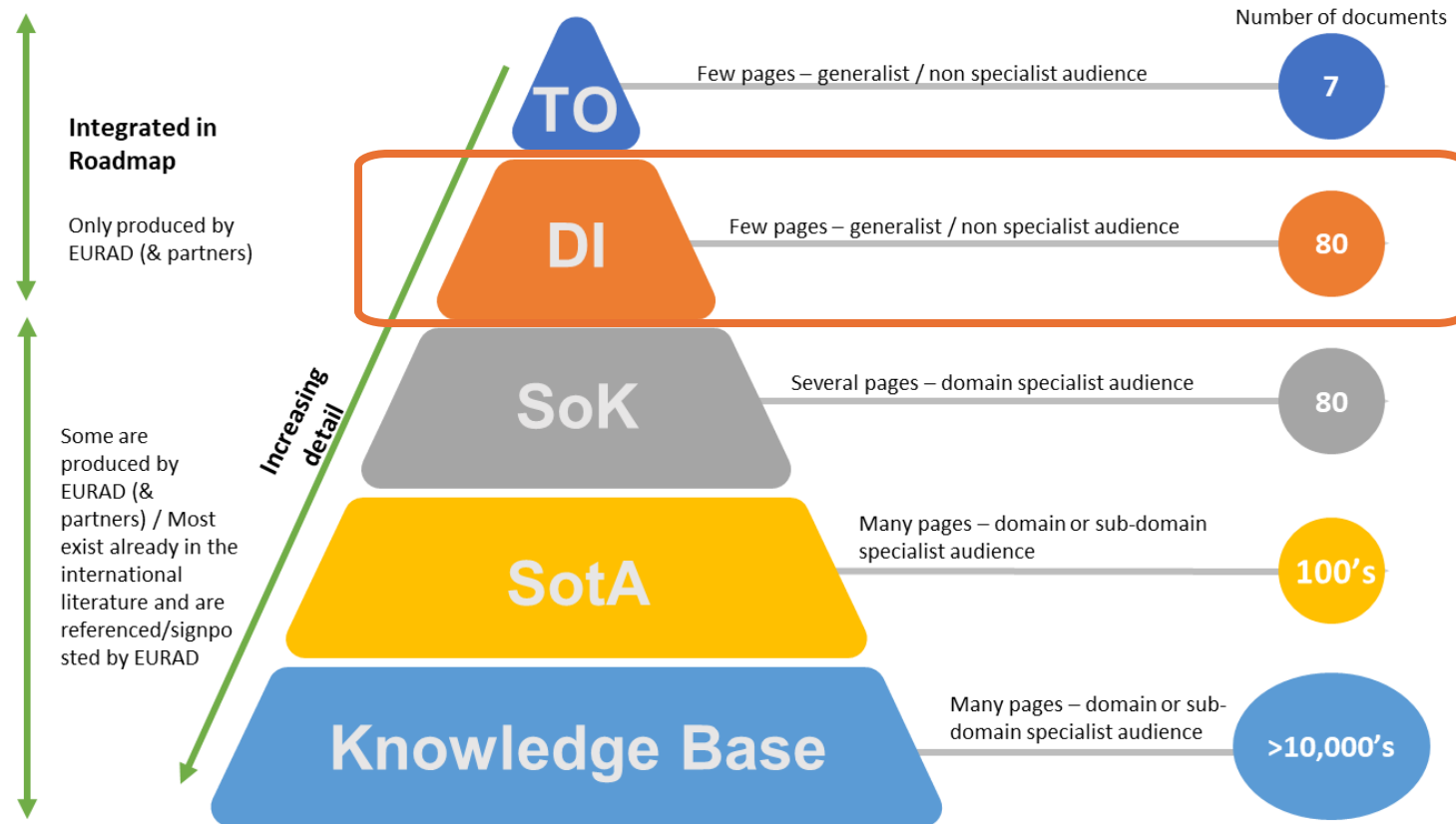


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TASK 2 – CALL FOR AUTHORSHIP – DOMAIN INSIGHT (DI) PRODUCTION

Focus on DI:

- **Concise** documents (10-20 pages)
- Information about **safety and implementation goals** of the domain
- **NO scientific journal articles**
- **Well-understandable** by non-specialised readers (new starters in the field)
- ~ **40 hours** workload (incl. revision)
- Publication on [EURAD Roadmap](#), [Wiki](#) and [INIS](#) (e.g., [DI 3.1.3 Cemented LL-ILW](#))



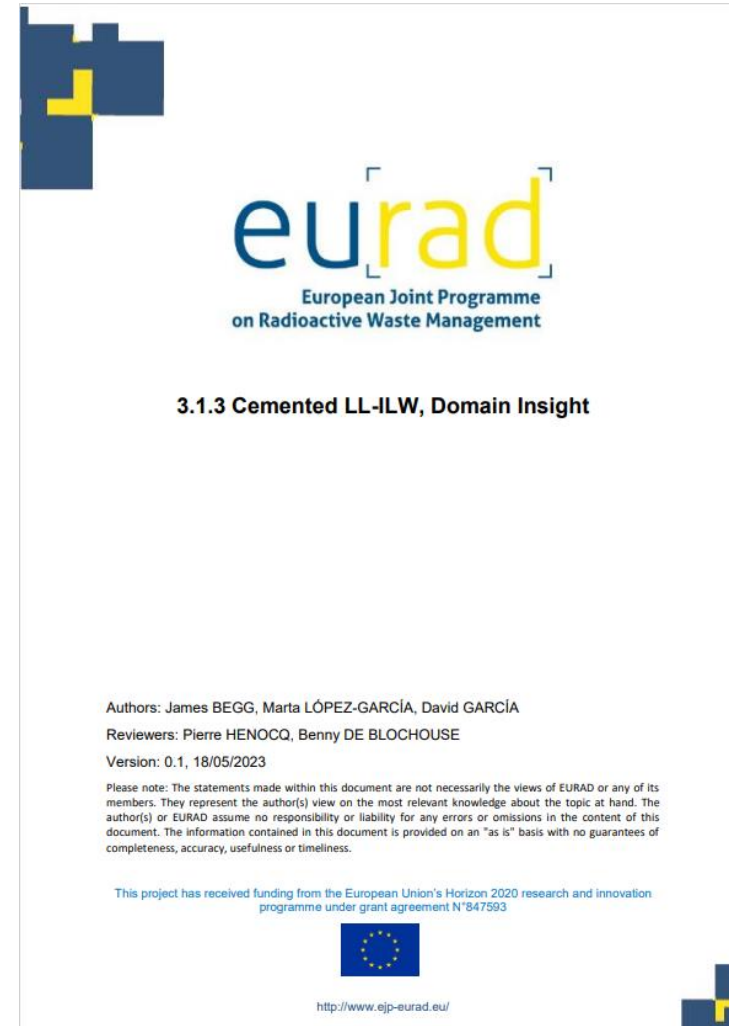
Knuuti T., Tatomir A., Göbel A., et al. (2022) Capturing the state-of-knowledge in EURAD knowledge management, EPJ Nuclear Sci. Technol. 8, 37, <https://doi.org/10.1051/epjn/2022030>.

Call for Authorship

TASK 2 – CALL FOR AUTHORSHIP – DOMAIN INSIGHT (DI) PRODUCTION

Production process:

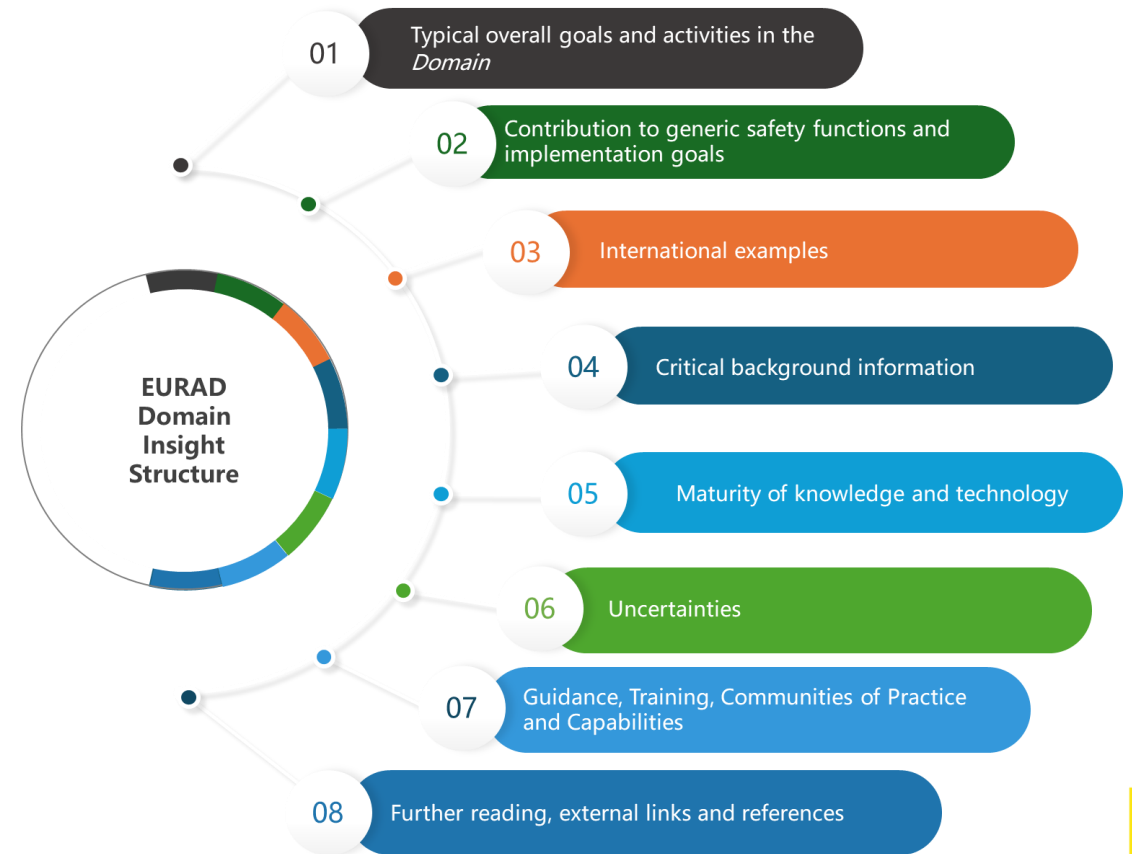
1. **Receive invitation** to author DI together with supporting documents
2. Please let WP 02 contact person know the **approximate timeframe** (first draft expected for review)
3. Please **send** WP 02 contact person **draft** so we can forward it to reviewer and do a formal review ourselves
4. You receive review for **revision**
5. **Send revision** to WP 02 contact person (minor review comments: last formal check by WP02 Task 2, major review comments: back to reviewer for approval)
6. Receive **final draft for approval** before publication



TASK 2 – CALL FOR AUTHORSHIP – DOMAIN INSIGHT (DI) PRODUCTION

Supporting documents:

- **DI document template with instructions:** DI documents have certain structure – authors encouraged to follow it BUT it is important that the expert's view is accurately represented (template can be adjusted to individual needs in agreement with WP02 contact person)
- **List of safety and implementation goals** (useful for e.g. chapter 2 of the DI).
- **Authors Guide:** Deliverable D11.8
- **Goals breakdown structure table:** overview of the domains of the roadmap, to be linked/referenced (relevant for chapter 4.1 of the DI)



TASK 2 – CALL FOR AUTHORSHIP – DOMAIN INSIGHT (DI) PRODUCTION

Who can apply? Experts in the field addressed by respective DI document **within EURAD-2 partners** (beneficiaries and affiliated entities)

What to apply to? List of 14 DI topics prioritised by WP02 KM Task 2

How to apply? Fill in **EUSurvey application form** stating your expertise and timeframe (making sure to author the DI in EURAD-2 Year 1) **by May 21st** (link will be provided after the meeting)

Who makes decisions? Decision-making board composed of WP02 Leader, WP 02 Task 2 representative, PMO representative and EURAD-2 Scientific Officer (criteria: qualification, availability, diversity)

TASK 2 – CALL FOR AUTHORSHIP – DOMAIN INSIGHT (DI) PRODUCTION

Who pays for work?

- Reimbursement for **40 h**
- **100%** direct cost **reimburesment**
- **Extra budget** (compared to institute existing EURAD-2 budget)
- **Cost declaration in annual financial report** on WP02 Task 2

TASK 2 – CALL FOR AUTHORSHIP – DOMAIN INSIGHT (DI) PRODUCTION – CURRENT DI LISTING FOR PRODUCTION (YEAR 1-2)

- 3.3.1 Buffer components under storage and disposal conditions (**Buffers**)
- 3.3.2 Backfill components under storage and disposal conditions (**Backfills**)
- 3.4.2 Confirm that interactions between different EBS materials in disposal areas for different waste types do not compromise the performance of the disposal system (**Co-disposal**)
- 4.1.1 Develop a model of the host rock and surrounding geological environment, including distributions of rock types, geometry and properties of structural features, geotechnical properties and the hydrogeological and hydrogeochemical environment (**Site descriptive model**)
- 4.1.2 Describe **bedrock transport properties** (aqueous and gas transport, advection/dispersion, diffusion) including retention (sorption, matrix diffusion) of different geological materials
- 4.3.1 Assess the expected geological and tectonic evolution and the potential for natural disruptive events and their impacts on the stability of the natural barrier (**Geological and tectonic evolution**)
- 4.4.1 Provide commented tables with key data, key figures (conceptual models) and comments on the interrelationships of site characteristics, perturbations and long-term evolution (**stability**). This report should contain the so-called Geo-Datasets for long-term safety analyses and repository concepts (layout and construction) for each licensing phase.

TASK 2 – CALL FOR AUTHORSHIP – DOMAIN INSIGHT (DI) PRODUCTION – CURRENT DI LISTING FOR PRODUCTION (YEAR 1-2)

- 5.1.2 Based on the design requirements, perform layout calculations to define detailed specifications for the design of the underground facilities (**Design specifications, facility-scale**)
- 5.1.3 Based on the design requirements and safety assessments, define detailed specifications for the design of the geotechnical barrier system (**Design specifications, component-scale**)
- 5.2.1 Develop, adapt and/or buy the technology and systems required to be able to construct and then commission the facility (**Pilot-scale, full-scale testing, and active commissioning**)
- 5.2.3 Establish reliable manufacturing routes to produce facility barriers and components, and inspections plans for how to test for unacceptable defects, and overall quality assurance against specified design tolerances and industry standards (**Manufacture, inspection and testing**)
- 5.2.4 Utilise available robotics and remote handling technology - all reliably tested beforehand - to optimise facility construction and operations (**Robotics**)
- 7.1.2 Establish safety indicators to complement dose and risk, defined relative to overall safety requirements (**Performance indicators**)
- 7.3.1 Quantify how the facility and its components behave and evolve to provide continuing safety (**Performance assessment and system models**)

TASK 2 – CALL FOR AUTHORSHIP – DOMAIN INSIGHT (DI) PRODUCTION

Next steps:

- Please check example of [DI 3.1.3](#)
- Please review [author guideline](#) to ensure you are qualified and able to author the DI
- Please complete application:
 - **Application** submission: **07/05 - 21/05/2025**
 - **Decision** by board until **06/06/2025**
 - **E-mail invitation** to authors **until 11/06/2025** (receiving all information needed for DI production)
 - **DI document production** in EURAD-2 Year 1 (Deadline **09/2025**)

EURAD-2 Call for Authorship for Domain Insight documents - Year 1

Fields marked with * are mandatory.

• Name (First and last name)

MR

• E-mail address

MR

• Organisation & country

BGE, GER

• Role in EURAD-2

- ☒ Partner
☐ End-user
☐ Stakeholder
☐ Associated Partner (outside of Euratom funding)*

• College

- ☒ WMO
☐ RE
☐ TSO
☐ Other

• DI document of interest

Maximum 1 selection(s)

- ☒ 3.3.1 Buffer components under storage and disposal conditions (Buffers)
☐ 3.3.2 Backfill components under storage and disposal conditions (Backfills)
☐ 3.4.2 Confirm that interactions between different EBS materials in disposal areas for different waste types do not compromise the performance of the disposal system (Co-disposal)
☐ 4.1.1 Develop a model of the host rock and surrounding geological environment, including distributions of rock types, geometry and properties of structural features, geotechnical properties and the hydrogeological and hydrogeochemical environment (Site descriptive model)

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Q&A:

1. It is possible to work in a team with co-authors. If you already have someone in mind, please indicate the name and institution in the comments section at the end of the EU survey and encourage the expert to also apply via the survey and indicate your name in the comments section.
2. Slides and survey link will be shared with everyone in EURAD-2 and can be further distributed. Please feel free to share slides/links etc with everyone who might be interested.
3. If not enough time to author, please feel free to apply to review DI (add a note in the comment section of EUSurvey form).
4. More DI topics will be rolled out next year.
5. Reimbursement unfortunately only for Euratom-Partners.
6. Everything initiated earlier regarding the DI production by R&D and StSt WPs is still valid! This is a new and independent approach and the DI topics covered by the WPs are not included to the list of this Call for Authorship.

Further questions? Please contact alexandru.tatormir@bge.de and milena.schoenhofen-romer@bge.de