Joint WGRISK and Database Projects Expert Workshop on

Applicability and Applications of Operating Experience from the OECD/NEA Database Projects to Probabilistic Risk Assessment (PSA)

Garching bei München, Germany, 20 – 22 May 2026

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Hosted by the Gesellschaft für Anlagen- und Reaktorsicherheit (GRS), gGmbH, Garching bei München, Germany

Key Dates

13 February 2026	***Deadline for Abstract Submission***
27 February 2026	***Notification of Accepted Presentations***
17 April 2026	***Deadline for Attendance Registration***
4 May 2026	***Deadline for Presentation Submission***
20 – 22 May 2026	***Workshop***

General Information

This is the announcement and call for presentations for the *Joint WGRISK and Database Projects Expert Workshop on* ***"Applicability and Applications of Operating Experience from the OECD/NEA Database Projects to Probabilistic Risk Assessment (PSA)"*** being organized under the auspices of the OECD Nuclear Energy Agency (NEA) Committee on the Safety of Nuclear Installation (CSNI) Working Group on Risk Assessment (WGRISK) jointly with the Database Projects ICDE, FIRE and CODAP. The workshop will be hosted by the Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH at their premises in Garching, a suburb of Munich, Germany, from **20 to 22 May 2026**.

Working under the mandate of the CSNI, the main objectives of WGRISK are to maintain, assess, and advance the technical and scientific knowledge base of PSA methods, tools, data, and analysis practices; to strengthen the interfaces between PSA and the disciplines from which PSA draws; and to facilitate the use of risk assessment results in decision-making and in safety management programs.

Background

One important use of the data collected by the OECD/NEA Database Projects is to support PSA. The purpose of the workshop is to continue and extend the collaboration between WGRISK and the OECD/NEA Database Projects to further improve operating experience data sharing, analysis and risk assessment for nuclear installations. Currently, there are three OECD/NEA joint Database Projects ongoing within the scope of this activity:

- International Common Cause Failure Data Exchange (ICDE),
- Fire Incidents Record Exchange (FIRE) Project,
- Component Operational Experience, Degradation, and Ageing Programme (CODAP).

Accurate data are needed to ensure that PSA results realistically represent as-built and as-operated nuclear reactor and non-reactor installations. The OECD/NEA Database Projects can, in principle, support the collection, sharing and analysis of data being highly relevant to PSA, particularly in the areas of material degradation and ageing, common cause failures (CCFs), the risk from single as well as from combined hazards (e.g., fire) and component performance. The above-mentioned Database Projects collect qualitative information that can be useful in the development and review of extended and/or new PSA models.

Moreover, several of them include specific objectives to support quantification activities. The Database Projects objectives include, amongst others:

- for ICDE: generate quantitative insights and record event attributes to facilitate quantification of CCF frequencies in member countries; and e) use of ICDE data to estimate CCF parameters,
- for FIRE: facilitate fire risk analysis (Fire PSA), including the quantification of fire occurrence frequencies and fire suppression probabilities from member countries useful as input for applications in Fire PSA, so far mainly for nuclear reactor installations in WGRISK member countries,
- for CODAP: to facilitate the exchange of the operating experience on passive components as a way to improve the quality of decisions made about components material degradation, ageing management and operability determination. The database along with other relevant information collected is intended for applications of service

experience data with an emphasis on observed trends and-patterns, past and current degradation mechanism mitigation practices, and risk characterization of passive component failure.

Workshop Objectives

In collaboration with the OECD/NEA Database Projects ICDE, FIRE and CODAP, the workshop objectives are as follows:

- Identify, update, characterize and share current uses and applications of OECD/NEA Database Project products and data in support of nuclear installation safety assessment.
- Identify and characterize further emerging operating experience data needs for Probabilistic Safety Analysis (PSA).
- Estimate the value of Database Project products to PSA – not limited to nuclear power plants (NPPs) only but applicable to sites with different, even multiple nuclear sources (reactor facilities, fuel cycle and storage facilities) and continue to strengthen the coordination between Database Project activities and end users.

Note that access to detailed OECD/NEA Project data is generally limited to Project member countries. However, the Database Projects provide a variety of publications to the broad PSA community. In order to avoid an inappropriate release of Project data while facilitating task participation by the broader WGRISK community, this activity will focus on the applicability and most recent applications of Database Project products in PSA such as statistics and trending.

Suggested Topics

Participants are invited to present contributions on topics such as:

- Recent OECD/NEA Database Project activities from ICDE, FIRE and CODAP and intended data collection extensions
- Application examples of OECD/NEA Database Project data and products to PSA related issues
- Identification and correlation of operational events from nuclear installations and conditions associated with multiple Database Project areas
- Sharing of best practices and challenges associated with data collection, dissemination and analysis
- Future data needs from the operating experience and PSA expert communities, including new and emerging technologies (e.g., new and advanced reactor types, such as small modular reactors (SMRs) and advanced nuclear technologies (ANTs), passive components, probabilistic analyses for non-reactor facilities, etc.

The workshop will consider all scopes of PSA for as built and to be built nuclear power plants and other nuclear installations, the associated safety issues and the diverse decisions made by stakeholders including licensees and regulatory bodies.

The workshop is expected to provide useful feedback to the Database Projects regarding applicability and potential new applications of the collected data, which could be considered to further enhance and extend data collection activities. This activity may also help to increase support to the various OECD/NEA Database Projects by highlighting the use and benefits of these activities to potential end-users.

Format

In line with the aforementioned topics of interest, the workshop will include topical sessions and, in addition, a facilitated plenary and wrap-up session. Active participation in the discussions and in the formulation of conclusions and recommendations is expected. Information obtained as a result of the workshop will provide for better understanding and improved interpretation of subjects, topics, and issues related to the application and applicability of products from the OECD/NEA Database Projects ICDE, FIRE and CODAP within risk assessment of and risk-informed decision-making for nuclear installations.

The workshop will be an in-person event only; online participation is not foreseen.

Presentations

Participants intending to present a contribution related to the workshop topics are requested to submit an abstract (between 300 and 500 words) that provides a brief overview of the content of their proposed presentation. All **abstracts** should be submitted by **13 February 2026**; see the submission form on the WS event page. The Organizing Committee will review the abstracts and notify the speakers by 27 February 2026 on the acceptance of their presentations.

Presenters will be requested to upload their presentations prior to the workshop – instructions will be available at the WS event page.

Language

All presentations and discussions will be in English; translation will not be provided.

Task Report

The Task Report from the workshop will be published by the OECD NEA and will include objectives and important insights provided during the workshop, workshop presentation summaries, conclusions and recommendations provided during the discussions, as well as new or emerging areas of interest identified. A specific part of the report will be dedicated to the discussion of experiences from the application of Database products for PSA.

Participation in the Workshop and Logistics

Participants

The organizers kindly invite experts from nuclear industry, regulatory authorities, technical support and research organizations, designers of nuclear installations and vendors, safety analysis practitioners and consultants involved in the probabilistic safety assessment of nuclear installations or the associated decision-making from the WGRISK and Database Projects member countries, and strategic partners, to contribute and participate.

Registration

Registration is required for all participants. Nominations should be made through the NEA Secretariat. To support effective planning, please register early, but at latest by the deadline **17 April 2026**. Please register using the **Registration Form** on the WS event page.

Registration Fee and Payment

The registration fee for the workshop is 250 € per participant and will cover the costs for meeting room including presentation equipment and internet, the entire seminar contributions on electronic media, lunches and refreshments during the meeting days and a workshop dinner event for participants.

All costs incurred by participants for travel, accommodation and daily expenses are the responsibility of the participants and are neither borne by NEA nor by GRS gGmbH.

An invoice for the seminar fees will be sent to each participant after receipt of the registration form. Full payment must be received by **30 April 2026.** Registration cannot be accepted or processed without full and correct payment.

Payment must be in Euro (€). Bank costs, including interim banks, are for the account of the participant. Bank transfer of the amount is due to:

Account holder:
Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH
Postfach 10 15 64
50455 Köln
Germany

Bank account:
Commerzbank AG
Bank account number:188515100
IBAN: DE84 3708 0040 0367 3030 00
SWIFT/BIC Code: DRESDEFF370

Please, clearly quote: **WGRISK Workshop 2026** and your **Name**

Workshop Location and Recommendations for Accommodation

The workshop will be hosted by the Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH, at its premises in Garching, suburb of Munich, Germany. The venue address is:

GRS gGmbH
Forschungszentrum, Boltzmannstraße 14, 85748 Garching bei München

Special rates have been negotiated, and rooms have been pre-reserved for 19 to 23 May 2026 at the following hotels (please book by email referring to **GRS**):

- Hotel König Ludwig II., Bürgerplatz 3, 85748 Garching, phone: +49 (0) 89- 329310, E-mail: hotel@hkl.de,for the special GRS room rate of 114,- € / 124,- € for a normal single room or 154,- € in the more luxury rooms with coffee maker, etc. per night, both rates incl. breakfast buffet, WIFI and taxes. More details on the hotel can be found on the hotel website: https://hkl.de.
- Hotel Hoyacker Hof, Freisinger Landstraße 9a, 85748 Garching, phone: +49 (0) 89-3269900, E-mail: info@hoyackerhof.de, for the special GRS room rate of 115,- € per

night, incl. breakfast buffet, WIFI, parking and taxes. More details on the hotel can be found on the hotel website: www.hoyackerhof.de.

Please be aware that early booking until end March 2026 is necessary. Cost-free cancellations are possible until one week before arrival.

For more **practical travel information**, see the WS event page.

Workshop Contacts

NEA Secretariat:

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Workshop Organizing Committee

Marina Röwekamp (Workshop Chair, WGRISK, FIRE)	GRS	Germany
Laima Kuriene (FIRE)	ANVS	Netherlands
Hayat Chatri (ICDE)	CNSC	Canada
Amsha Proag (FIRE)	ENSI	Switzerland
Fernando Ferrante (WGRISK)	EPRI	USA
Jan Stiller (ICDE)	GRS	Germany
Bengt Lydell (CODAP)	SIGMA	USA
Markus Beilmann	OECD NEA	France
Yuji Kumagai	OECD NEA	France

Key Dates and Deadlines

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Workshop	***20 – 22 May 2026***

Please refer to the WS event page for

- guidance for the abstracts and instructions for their submission,
- how to register and practical information for participants, and
- the latest information and updates on the workshop.