

ESARDA

Advancing Nuclear Safeguards

Asia-Pacific Safeguards Network (APSN)
14th Annual Meeting, Bangkok, Thailand
2-3 November 2023

ESARDA is an association of European and other organisations formed to advance and harmonise research and development in the area of nuclear safeguards

Established in 1969 as a forum for the exchange of information and ideas between safeguards authorities, research institutes, nuclear facility operators and other entities involved in safeguards related R&D

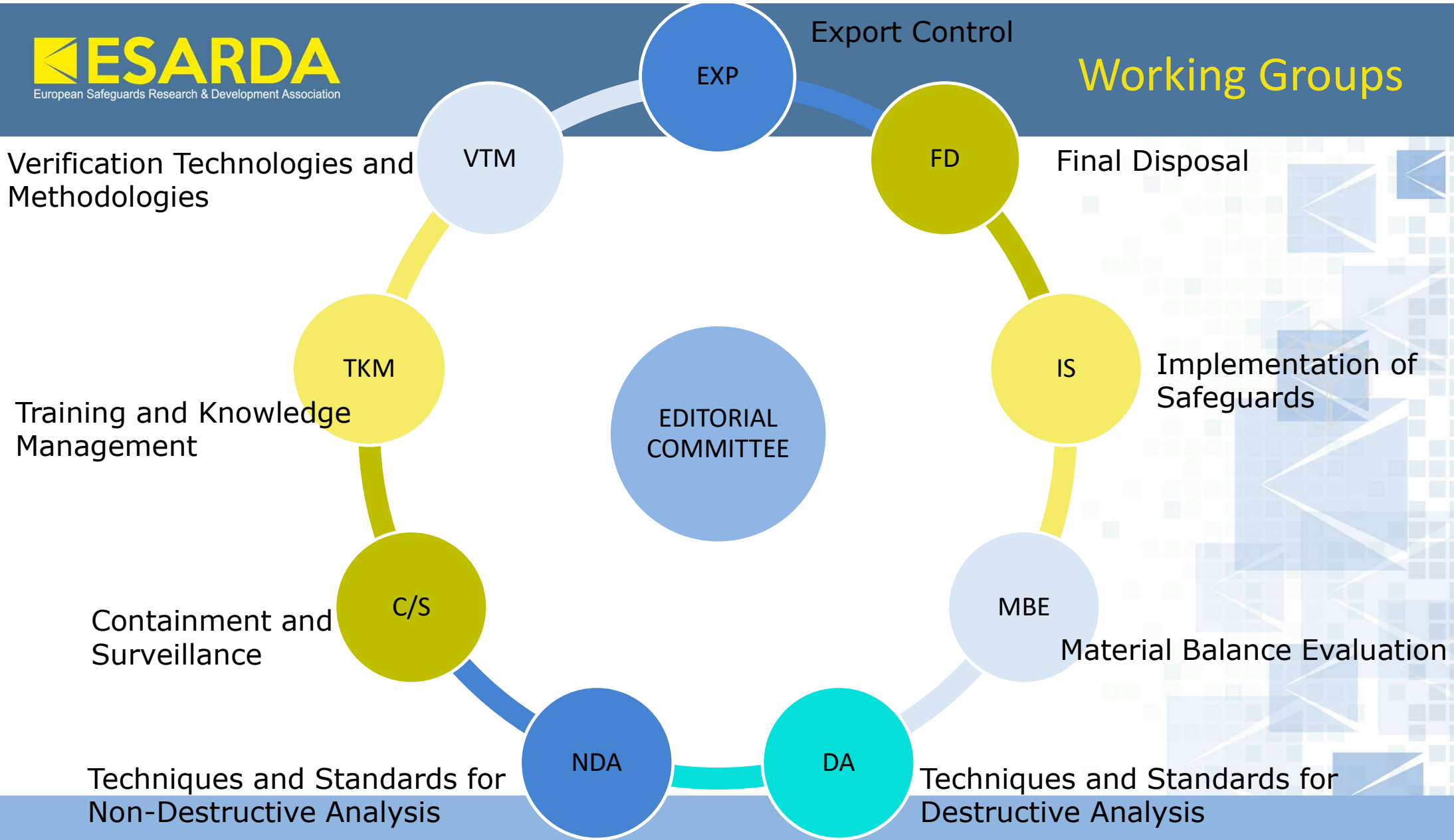
Community of Parties (36), Associate Parties (15) and Individual members (10)

Collaboration agreements with similar organisations (ABACC, AFCONE, APSN, ENEN, IAEA, INMM)

Members cover broad spectrum of organisations from the nuclear energy industry and lifecycle

Organisational structure and activities

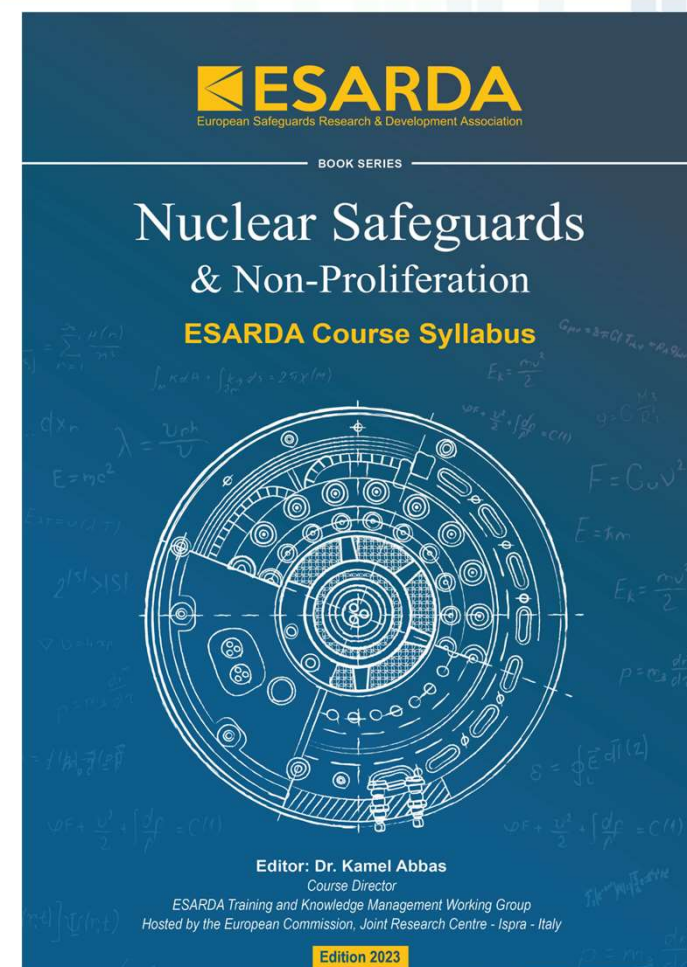
- Management (President, Vice-President, past President and Secretary)
- Editorial Committee and 9 Working Groups
- Steering Group and Executive Board meetings 1-2 per year
- Biennial Annual Meeting in Luxemburg alternating with open Annual Symposium
- Two Joint Annual Meetings organized with INMM, in 2021 virtual and in 2023 in Vienna



ESARDA Course on Nuclear Safeguards and Non-Proliferation

The 21st edition held in April 2023 (on-line)

- Featured a full five-days programme with lectures, group exercises and virtual visits of some JRC Ispra (Italy) research laboratories
- 27 distinguished lecturers
- 113 registrants
 - 42% Europe, 30% Africa, 20% Asia, 8% North and South America



INMM&ESARDA Joint Annual Meeting 22-25 May 2023 in Vienna, Austria



IMPLEMENTATION OF SAFEGUADS WORKING GROUP (IS)

Marko Hämäläinen (Chair) and Marianne Calvez (Vice-Chair)

Three WG meetings in 2023

May in connection with INMM-ESARDA annual meeting in Vienna

- organised jointly with INMM ISD (International Safeguards Technical Division)
- focused on e.g., the Safeguards by Design (SBD) and small modular reactors (SMR)
- about 60 participants attended this half-day meeting

June: on-line focusing on State Level Approaches (SLA)

September: hybrid two-day meeting hosted by STUK in its premises in Finland

- More than 40 persons attending either in-person or virtually
- focused on current safeguards topics and approaches in Finland, especially related to final disposal of spent nuclear fuel, decommissioning of VTT FIR1 research reactor and status of two Finnish SMR projects

Agreed upcoming meetings

- May 2024 in connection of annual meeting in Luxemburg and in autumn in Switzerland
- Spring 2025 in connection of annual meeting in Belgium and in autumn in Netherlands



Participants of IS WG meeting had the possibility to continue to Final Disposal WG meeting in Olkiluoto and visit ONKALO, the soon operating deep geological repository for spent nuclear fuel

FINAL DISPOSAL WORKING GROUP (FD)

Second WG meeting on 20-21 September, 2023 Olkiluoto, Finland

- 33 attendees from Europe and US
- Presentations of progress in construction of the deep geological repository installations in Finland and installing technical infrastructure for safeguards application designed by Euratom and IAEA
- Presentations and progress reports around Europe and US

Klaas van der Meer (SCK CEN) handing over chairing to Mentor Murtezi (EC), working group is now looking for a new Vice-Chair



TRAINING AND KNOWLEDGE MANAGEMENT WORKING GROUP (TKM)

Riccardo Rossa (Chair) and Pierre Funk (Vice-Chair)

The ESARDA TKM Working Group met with the INMM Education and Training (ETC) committee on Friday, May 26th after the 2023 INMM/ESARDA Joint Annual Meeting

- About 20 participants
- During the first part a series of presentations described the activities of the ESARDA TKM WG, INMM ETC, and IAEA Safeguards Training Section
- During the second part a discussion was held on current and future needs to Education & Training. In particular the participants focused on five topics: format, audience, content, effectiveness, and budget

In August 2023 the second edition of the First Level **Specializing Master on Nuclear Safeguards**, organized by the Politecnico di Milano and the European Nuclear Education Network (ENEN) in the frame of the SATE project (<https://www.nuclearsafeguards.polimi.it/>) was announced. The second edition is scheduled **from November 2023 until January 2025**

ESARDA's next open symposium in 2025 in Belgium



| | | |
|--|--|--|
| <p>2024 Jan. - Feb. 29-01</p> | <p>29th January - 1st February 2024 ESARDA Management & WG Meetings Joint Research Centre of the European Commission, Geel, Belgium ESARDA is hosting the in person annual Working Group meetings and the Steering Committee and Executive Board meetings at the JRC in Geel. [Read more]</p> |  <p>Management & Working Group Meetings</p> |
| <p>2024 April 15-19</p> | <p>15th - 19th April 2024 22nd ESARDA Course Joint Research Centre of the European Commission, Ispra (VA), Italy The JRC announces the 22nd ESARDA COURSE on Nuclear Safeguards and Non Proliferation to be held in spring 2024. Organised by the Training, Knowledge Management Working Group. [Read more]</p> |  <p>ESARDA Course</p> |
| <p>2024 May 13-16</p> | <p>13th - 16th May 2024 ESARDA 46th Annual Meeting Luxembourg Congress Conference Centre, Luxembourg The 2024 ESARDA Annual Meeting is planned to be held at the Luxembourg Congress Conference Centre, Luxembourg, from 6-9 May 2024. This annual meeting is a closed meeting reserved to ESARDA Steering Committee, Executive Board and Working Groups' members, [Read more]</p> |  <p>Annual Meeting</p> |
| <p>2024 July 21-25</p> | <p>21st - 25th July 2024 2024 INMM Annual Meeting Portland Marriott, Downtown Waterfront, USA Join INMM in July for the 65th Annual Meeting. The INMM 65th Annual Meeting will discuss topics on Nuclear Materials Management. [Read more]</p> |  <p>INMM INSTITUTE OF NUCLEAR MATERIALS MANAGEMENT</p> |