

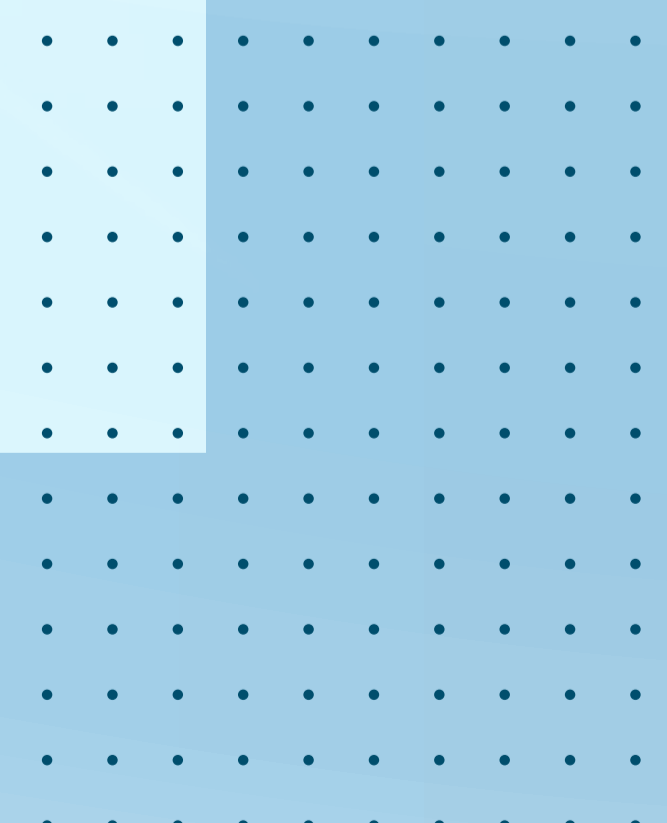
JULY 2023

The second meeting of the HARMONISE stakeholder network took place in Celje, Slovenia on 20 and 21 June 2023 with the participation of representatives from international organizations as well as the HARMONISE, ECC-Smart, ELSMOR and McSAFER projects. The physical meeting was held in Celje and attended by forty three participants while the event allowed for virtual participation with twenty four attendees.

The event was entitled “Workshop on the Safety of Small Modular, Advanced and Fusion Reactors” and organized by HARMONISE in cooperation with ECC-Smart and support from ELSMOR and McSAFER. During the two-day workshop the participants had the opportunity to confer on the specifics of identifying and formulating the technical approaches, methods and criteria needed for developing safety cases of future nuclear facilities.

Presenters from the four Euratom-funded projects outlined the technical idiosyncrasies characterizing the projects they have been participating, while a synopsis regarding ALFRED, a lead-cooled fast reactor demonstrator, was also delineated. The workshop was enriched with insightful input provided by guest speakers having experience in international organizations (i.e., ENSREG, IAEA, OECD/NEA, EUROfusion and EASA) handling nuclear and non-nuclear safety cases and regulations.

To this end, the EU-SMR pre-partnership activities were sketched with an emphasis on how to establish a pre-licensing process based on commonly accepted safety assessments, whilst an introduction was offered to the NEA Small Modular Reactor Dashboard. Furthermore, an overview was given on the IAEA activities on new technologies safety and regulation as well as the nuclear harmonization and standardization initiative. With regard to fusion facilities, the safety approach for ITER and DEMO was shown, whereas in a non-nuclear domain the principles of civil aviation safety regulation in Europe were presented and discussed.



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