

First Announcement



Workshop on Integrity Assessment of Main Structural Components Using Decommissioned Bohunice V1-NPP



Manor house Kočovce, Slovakia

6.- 10. February 2023



Funded by
the European Union

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We would like to invite you to a workshop in the field of long-term operation (LTO) of nuclear power plants (NPP), assessment of the integrity of the main structural components of NPP and materials of the decommissioned NPP Bohunice V1 which will be on 6th – 10th February 2023 in Kočovce, Slovakia. The workshop is organised by the French Embassy in Slovakia and the Slovak University of Technology in Bratislava within the DELISA-LTO project funded by the European Union. The main aim of the workshop is to spread knowledge from the field of PWR reactors, long-term operation, and material degradation to young professionals.

Important information:

- This workshop is intended for students and young professionals in the field of nuclear engineering under the age of 30.
- The lectures will be led by experts from practice and research institutes in Slovakia, the Czech Republic and France (EDF). All lectures will be in English.
- A technical visit to the decommissioned NPP V1 in Jaslovské Bohunice is planned.
- One afternoon will be reserved for a social program as possible - skiing in a nearby ski centre or a visit to the museum in Beckov.
- Organisation of the workshop with coffee breaks, technical visit of NPP V1, and social events as the welcome party and the farewell party will be covered by the organizers.

If you are interested in participating, please send a completed application to info@delisa-lto.eu up to 10.01.2023.

For more information, do not hesitate to contact us: info@delisa-lto.eu, or jana.veternikova@stuba.sk.

We look forward to your attendance.

Preliminary topics:

- Introduction to LTO and lifetime extending of PWR
- Economic Aspects of LTO for PWR
- Regulatory and legal requirements for LTO of PWR
- Degradative processes on primary loop materials of PWR
- Thermal ageing of primary circuit components and its monitoring at PWR
- Operational conditions and its influence on the PWR components' aging and integrity
- Operational failures and their impact on LTO of PWR
- Maintenance of components and its effect on LTO of PWR
- Regenerated Annealing of Reactor Pressure Vessel/ Components
- Replacement of the critical components of primary loop
- Calculation of Failure probabilities with increasing time for LTO
- Simulation and modelling of integrity critical components for LTO
- Integrity testing during the lifetime of the NPP

