Workshop on
‘LTO Beyond 60 Years’

Organized by NRG in cooperation with OECD/NEA
27-28 February 2024, Petten

Robert Krivanek
International Ageing Management and
LTO Projects Manager
NRG, the Netherlands

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Ing. Robert Krivanek, Ph.D.

He received his master and doctor degrees in mechanical and nuclear engineering. He has more than 28 years of experience in nuclear industry. Since 1994 he was with CEZ in the Czech Republic in various positions in operations, engineering and nuclear safety. His main focus was on ageing management and preparation of NPPs for long term operation (LTO).

Since 2012 he served for the International Atomic Energy Agency (IAEA) in Vienna, Austria as an ageing management and LTO programme manager.

Since October 2021, he has been working for Nuclear Research and consultancy Group (NRG) in the Netherlands as a manager for international ageing management and LTO activities.

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Workshop background

This workshop is organized in cooperation with OECD/NEA as a part of project ‘LTO Beyond 60 Years’.
It also supports preparation of NIC2024 conference which will be hosted by NRG in cooperation with IAEA in Amsterdam on 5-6 June 2024.

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Workshop objectives

The event has the following primary objectives:

- To discuss the latest developments in preparations for long term operation (LTO) beyond 60 years of existing NPPs` fleet
- To discuss nuclear industry and regulatory authorities activities, plans, challenges and needs in preparation for safe LTO beyond 60 years
- To discuss the status, interim results and upcoming activities of OECD/NEA collaborative project ‘Status Report on LTO Beyond 60 Years’

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AGENDA	
Day 1, Tuesday, 27 February 2024	
09:00 09:30	00_Workshop opening - Mr. Frederic Blom, NRG 01_NRG introductory presentation, objectives, schedule - Mr. Robert Krivanek, NRG, the Netherlands
09:30 10:00	02_NRG activities in ageing management and LTO – Mr. Robert Krivanek, NRG
10:00 10:30	03_OECD/NEA LTO related activities – Ms. Keiko Chitose, OECD/NEA
Coffee break	
10:50 11:30	04_'LTO Beyond 60' Project progress – objectives, task team, time schedule, status of action items (report, questionnaire) – Ms. Corina Mocanu, NRG
11:30 12:15	05_'LTO Beyond 60' report – summary of sections 1, 2, 3, 4.1 – Ms. Corina Mocanu, NRG
Lunch break	
13:15 14:45	06_'LTO Beyond 60' report – summary of sections 4, 5 – Ms. Corina Mocanu, NRG
Coffee break	
15:15 15:35	07_'LTO Beyond 60' project tasks in 2024 – methodology for conclusions development, identification of gaps and proposals for solutions – Mr. Robert Krivanek, NRG
15:35 16:00	08_'LTO Beyond 60' project – examples of preliminary conclusions and proposals for solutions – Mr. Robert Krivanek, NRG
16:00 17:00	09_Work plan for 2024 and agreement on action items, discussion – Mr. Robert Krivanek/ Ms. Corina Mocanu, NRG

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Day 2, Wednesday, 28 February 2024	
09:00 09:30	01_Preparations and challenges for the restart of Kashiwazaki Kariwa Unit 7 after long term shutdown – Mr. Tadasuke Tanabe, TEPCO, Japan
09:30 10:00	02_ To Achieve Long-term Operation in TEPCO – Mr. Ryohei Endo, TEPCO, Japan
10:00 10:30	03_"LTO aspects in area of HR, Competence and Knowledge Management – challenges in LTO programmes implementation" - Ms. R. Kvetonova (IAEA)
Coffee break	
10:50 11:20	04_Presentation on potential areas of enhancement for Concrete containment– Ms Julia Tcherner, (Atkins Realis, Canada)
11:20 11:50	05_ EDF technical challenges for LTO beyond 60 years (R&D: Jean-Cristophe Huchard, Engineering: Sylvie Jayet-Gendrot)
11:50 12:15	06_ Ensuring Safe Long-Term Operation: Research challenges for Ageing of Critical Concrete Structures – Miguel Ferreira (VTT, Finland)
Lunch break	
13:15 13:45	07_Challenges for LTO beyond 60 years (containment steel liner and aging of reactor pressure vessel) – Mikael Hallen/ Robert Magnusson/ Johana Spals (Vattenfall)
13:45 14:15	08_ Challenges for LTO beyond 60 years in Class 1 piping – Martin Bjurman (Studsvik)
14:15 14:45	09_ "Challenges for LTO beyond 60 years on I&C systems including cables"– Alex Duchac (UJV)
Coffee break	
15:15 15:45	10_ OFFERR Project – support of LWRs sustainability – Mr. Jiri Zdarek, UJV Rez, Czech Republic
15:45 16:15	11_ Spare time slot
16:15 17:00	12_Questions and answers, discussion, further needs, conclusions – moderated by Mr. Robert Krivanek, NRG

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Logistics

- Coffee and water served during coffee breaks
- Lunch provided in NRG canteen – select food and drinks and pay at the cash desk, tables reserved on the right side
- Networking dinner (at your own costs) in Alkmaar on Tuesday, 27 February 2024 at 19:00 – walk through Alkmaar at 18:30 from Amrath hotel

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Introduction of participants

Please introduce yourself while you speak first time:

- Name, surname
- Company, country

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More information about workshop?

www.nuclearinnovationconference.eu

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