

## SNETP Forum 2024

### DRAFT PROGRAMME (*version: 28<sup>th</sup> March 2024*)

Day 1 - 17<sup>th</sup> April – SNETP Forum

9.00	<b>SNETP GENERAL ASSEMBLY MEETING</b> (restricted to SNETP members)
12.00	LUNCH
13.30	<b>Welcome and Opening of the SNETP FORUM 2024 :</b> B.Salha (President of SNETP), S. Monti (President of the Italian Nuclear Association)
14.00	<b>Italian Nuclear Landscape</b>  <b>Moderator: B.Salha, S. Monti</b> <ul style="list-style-type: none"> <li>- <b>Minister Pichetto-Fratin</b>, <i>MASE secretariat - tbc</i></li> <li>- <b>Mr Gilberto Dialuce</b>, President ENEA,</li> <li>- <b>Ms Daniela Gentile</b>, CEO Ansaldo Nucleare,</li> <li>- <b>Mr Franco Cotana</b>, President RSE,</li> <li>- <b>Mr Nicola Monti</b>, CEO Edison,</li> <li>- <b>Prof. Marco Ricotti</b>, President at Polimi/Cirten,</li> </ul>
15.30	Coffee break
16.00	<b>Technical parallels sessions:</b> <ul style="list-style-type: none"> <li>• <b>Business strategies for SMRs: coordinated approach to accelerate the deployment of SMRs - Increasing the bankability of Small Modular Reactors</b> <i>moderators: J. Sobolewski (NCBJ)</i> <ul style="list-style-type: none"> <li>○ <b>Jan Prasil</b>, Ministry of Industry and Trade of the Czech Republic, Experience of the Czech SMR Roadmap implementation</li> <li>○ <b>Fabrice Legendre</b>, CEA, France, Overview of France 2030</li> <li>○ <b>Guerric de Crombrughe</b>, Nuketech</li> <li>○ <b>Sandro Baldi</b>, EDF, Unlocking the potentials of the European SMR market</li> </ul> </li> <li>• <b>New NPPs (Lesson learned and how to improve) – moderators: S. Szabolcs (BZ), P. Kinnunen (VTT), P. Kral (UJV)</b> <ul style="list-style-type: none"> <li>○ <b>Dr. Attila Hugyecz</b>, Current status of the Paks II project.</li> <li>○ <b>Pavel Kral</b>, Building expertise for safety assessment of new build of PWR design in the Czech Republic. Comparison of VVER and PWR safety parameters.</li> <li>○ <b>Merja Airola</b>, VTT, Public acceptance of nuclear</li> <li>○ <b>Anne Kontula</b>, TVO, Experiences in OL3Andrei Goicea, nucleareurope</li> <li>○ <b>Marisa van der Walt</b> (NRG PALLAS), Experiences from licensing and construction in progress for the PALLAS reactor in the Netherlands.</li> </ul> </li> <li>• <b>Supply Chain (cross EU fertilization) – moderators: B.Pothen (Framatome), C.Schneidesch (Tractebel), M. Frignani (Ansaldo)</b> <ul style="list-style-type: none"> <li>○ <b>Mohamed Zouari</b>, Framatome, France, state of the French supply chain to support New Builds</li> <li>○ <b>Aarnio-Wihuri Leena</b>, Fortum, Finland - SMR pre-partnership WS4 (Supply Chain)</li> </ul> </li> </ul>

	<ul style="list-style-type: none"><li>○ <b>Marco Ricotti</b>, POLIMI, or <b>Michele Frignani</b>, Ansaldo Nucleare, Italy, Italian supply chain capabilities and capacity</li><li>○ <b>Charles Carpenter</b>, NAMRC, UK - NAMRC perspective on the supply chain</li><li>○ Commercial grade dedication (speaker to be confirmed)</li><li>○ Polish supply chain status (speaker to be confirmed)</li></ul>
18.00	End of the day

**Day 2 - 18<sup>th</sup> April – SNETP Forum**

9.00	<p><b>Boosting Nuclear Innovation and Development</b></p> <p><b>Moderator: P. Baeten, R. Adinolfi</b></p> <ul style="list-style-type: none"> <li>- <b>Rosalinde Van Der Vlies</b>, DG RTD</li> <li>- <b>Willem Janssens</b>, DG JRC</li> <li>- <b>Zuzana Petrovicova</b>, DG ENER,</li> <li>- <b>Aline des Cloizeaux</b>, IAEA,</li> <li>- <b>Neil M. Wilmshurst</b>, Director EPRI</li> <li>- <b>Alessandro Dodaro</b>, Director at ENEA</li> <li>- <b>Michel Barthelemy</b>, OECD/NEA</li> </ul>
10.30	Coffee break
11.00	<p><b>Technical parallels sessions:</b></p> <ul style="list-style-type: none"> <li>• <b>Digitalisation (including Cybersecurity)</b> moderators: <i>E. Vesaoja (Fortum), F. Roelofs (NRG), E. Guillaut (ORANO)</i> <ul style="list-style-type: none"> <li>○ <b>Hervé Bury</b>, Framatome , The cybersecurity journey of critical nuclear assets</li> <li>○ <b>Szavai Szabolcs</b>, BZ , Application of AI and machine learning for evaluation of X-Ray inspection of welds</li> <li>○ <b>Niklas Hurmerinta</b>, Fortum, Application of Large Language Models in the Nuclear Field</li> <li>○ <b>Sofiane Benhamadouche</b>, EDF, Challenges and added value of High Performance Computing</li> <li>○ <b>Jean-Reynald Macé</b>, ORANO, Factory of Tomorrow</li> <li>○ <b>Cristina Corrales</b>, EPRI , Digital innovation study proposal overview and intent and current research on digital innovations</li> </ul> </li> <li>• <b>Market demand for non-electric energy products</b>, moderators: <i>M. Fütterer (JRC) , D. Hittner, J. Sobolewski (NCBJ)</i> <ul style="list-style-type: none"> <li>○ <b>Grzegorz Jóźwiak</b>, Process Heat (steam and other forms) (tbc)</li> <li>○ <b>Mariusz Ilnicki</b>, Synthos Green Energy, Hydrogen and hydrogen derivatives for the chemical industry, ammonia and synfuel,</li> <li>○ <b>Juhani Hyvärinen</b>, LUT, District heating and cooling, and other applications,</li> <li>○ <b>Maria Teresa Dominguez</b>, EAG, Seawater desalination,</li> </ul> </li> <li>• <b>LTO (innovative approaches)</b> moderators: <i>C. Varé (EDF), R. Krivanek (NRG)</i>, <ul style="list-style-type: none"> <li>○ <b>Robert Krivanek</b> (Manager for Ageing Management and LTO Projects), NRG, – OECD/NEA project ‘LTO Beyond 60 Years’</li> <li>○ <b>Michael Guillodo</b> (LTO Project manager), Framatome- “R&amp;D challenges for LTO beyond 60 years”</li> <li>○ <b>Marc Scibetta</b> (Deputy Institute Director Nuclear Energy and Technology (NET)) SCK-CEN, “RPV ageing and embrittlement in an LTO perspective – Enhanced Surveillance strategy”</li> <li>○ <b>Christophe Varé</b> (LTO Program Manager), EDF R&amp;D – “Beyond 60 years, EDF R&amp;D stakes”</li> <li>○ <b>Emma Wong</b>, OECD/NEA/EPRI, “Overview from NEA/EPRI workshop on the holistic and risk informed approaches to LTO”</li> <li>○ <b>Maksym Zarazovskii</b> (Chief Engineer), IPP-Centre (Ukraine) – "Open Issues in Justification of WWER-1000 Long-Term Operation"</li> </ul> </li> </ul>

13.00	LUNCH
14.00	<p><b>How can nuclear contribute to achieve decarbonization in an efficient way?</b></p> <p><b>Moderator: John Stairmand (Jacobs), Marco Ricotti (CIRTEN)</b></p> <ul style="list-style-type: none"> <li>- <b>Xavier Ursat</b>, EDF</li> <li>- <b>Lorenzo Mottura</b>, Director EDISON,</li> <li>- <b>Francesca Ferrazza</b>, Head of ENI,</li> <li>- <b>Waclaw Gudowski</b>, Orlen Synthos Green Energy (OSGE)</li> <li>- <b>Ana Birchall</b>, SN Nuclearelectrica SA, the Romanian perspective,</li> <li>- <b>Anders Wik</b>, Vattenfall</li> </ul>
15.30	Coffee break
16.00	<p><b>Technical parallels sessions:</b></p> <ul style="list-style-type: none"> <li>• <b>Business strategies for SMRs: coordinated approach to accelerate the deployment of SMRs – The SMR industrial alliance</b> - moderators: <i>S. Sarrade (CEA)</i>, <ul style="list-style-type: none"> <li>○ <b>A. Al Mazouzi</b> or <b>A. Goicea</b> (tbc), The SMR Industrial Alliance</li> <li>○ <b>K. Lauwers</b> and <b>J.L. Alexandre</b>, Joint presentation Thorizon and Naarea</li> <li>○ <b>R. Adinolfi</b>, EU industry</li> <li>○ <b>N. Sobecki</b>, EDF</li> </ul> </li> <li>• <b>Nuclear solutions to non-electric energy demand</b>, moderators: <i>M. Fütterer (JRC), D. Hittner, J. Sobolewski (NCBJ)</i> <ul style="list-style-type: none"> <li>○ <b>Steve Chengelis</b>, EPRI, Status of development in the US including fuel availability</li> <li>○ <b>Mariusz Dąbrowski</b>, NCBJ, HTGR Pola and industrial projects in Poland,</li> <li>○ <b>Paul Nevitt</b>, NNL, UK perspectives,</li> <li>○ <b>Michel Pasquet, Canet Serin</b>, Euratom projects on nuclear cogeneration and H2 production,</li> </ul> </li> <li>• <b>Decommissioning and Dismantling (including waste management) moderators:</b> <i>N.Cherubini (ENEA), E.Holt (VTT), A. Banford (NNL)</i> <ul style="list-style-type: none"> <li>○ LANDSCAPE INTRODUCTION (Chairperson Anthony Banford and Euratom perspectives from Seif Ben Hadj Hassine)</li> <li>○ DECOMMISSIONING &amp; BACK END <ul style="list-style-type: none"> <li>▪ Garigliano NPP: Dismantling of Reactor Vessel Internals &amp; Management of ILW and LLW – SOGIN (Italy, Luca Savino &amp; Francesca Onofrio)</li> <li>▪ Innovation Opportunities at the Intersection of AI, Data, and Robotics Technologies in the Nuclear Back-End. – IFE (Norway, Istvan Szoke )</li> <li>▪ Future GenIV reactors or back-end issues – ORANO (France) - tbc</li> </ul> </li> <li>○ WASTE HANDLING <ul style="list-style-type: none"> <li>▪ Management of radioactive waste resulting from non-nuclear energy related applications– ENEA (Italy – Alessandro Dodaro, Director of ENEA Nuclear Department)</li> <li>▪ Recycling/processing of medical industry wastes – PanTera (Belgium, CEO Sven Van den Berghe)</li> <li>▪ Best practices from 30 years in the clearance and recycling of contaminated metals - <b>Cyclife</b> (France, Nathalie Christ)</li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>▪ SMR future waste needs/challenges – NAAREA (France, Head of Fuel Cycle David Lambertin, )</li> <li>○ DISCUSSION/Q&amp;A Panel (i.e. Erika as co-chairpersons to lead)</li> </ul>
	End of the day

**Gala Diner – 19h30**

**Palazzo Rospigliosi, Via Ventiquattro Maggio, 43.**

**SNETP Innovation Award and I4N Italy competition**

**Day 3 - 19<sup>th</sup> April – SNETP Forum**

9.00	<p><b>Fuel Cycle</b> <b>Moderators: Marjorie Bertolus (chair NUGENIA TA7)+ ??</b></p> <ul style="list-style-type: none"> <li>- <b>Paul Nevitt</b>, VP Science &amp; Technology, NNL (UK)</li> <li>- <b>Alain Frichet</b>, VP of Fuel Products and Technologies, Framatome</li> <li>- <b>Philippe Valbuena</b>, Strategic Marketing Manager, Orano</li> <li>- <b>Jean-Michel Marin</b>, Fuel Cycle Technical Director, Newcleo</li> </ul>
10.00	<p><b>SNETP Stakeholders</b> <b>Moderators: Ch. Schneidesch (Tractebel – ENGIE) and R.Garbil (EC – DG RTD)</b></p> <ul style="list-style-type: none"> <li>- <b>Yves Desbazeille</b>, nucleareurope</li> <li>- <b>Valérie Faudon</b>, President SFEN</li> <li>- <b>Didier Schmitt, Jamila Mansouri</b>, ESA - <i>tbc</i></li> <li>- <b>Amparo Soler, WiN Global</b>, President of WiN Spain</li> <li>- <b>Jadwiga Najder</b>, ENS, Engaging and waking passion in nuclear professionals for progress of nuclear sector</li> </ul>
11.00	Coffee break
11.30	<b>Wrap up of the Parallels sessions</b>
13.00	End of the SNETP Forum 2024

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