

IEA / NEA Nuclear Technology Roadmap Update Asia Stakeholder Engagement Workshop

Venue: Hong Kong Convention and Exhibition Centre
Hong Kong
25 February 2014

Time	25 February 2014
8:30–9:00	Registration open
9:00–9:30	Welcome Technology Roadmap Overview and role of Nuclear in the IEA Scenarios Cecilia Tam, IEA
9:30–9:50	Focus of Nuclear Roadmap Update Henri Paillère NEA
9:50–10:30	Interactive Discussion: What role for nuclear in Asia? This discussion will focus on the role of nuclear in Asia and identify the critical issues which should be covered in the roadmap update, including security of energy supply, affordable electricity production, role of nuclear energy in climate change mitigation. Lessons learnt and best practices will also be included within the nuclear technology roadmap update. Moderator: Cecilia Tam, IEA
10:30–11:00	Coffee break
11:00–12:30	Session 1: Technology development needs for nuclear <u>1.a: Reactor technology</u> Presenter: Gu Guoxing, SNERDI – on developments by SNERDI Presenter: Xin Tianmin, CNNC/CNPE – on developments by CNNC Short presentation (10') followed by group discussion, focused on the following topics: <ul style="list-style-type: none"> • Current state of the market, Gen II and Gen III reactors • Enhanced safety features – lessons from the Fukushima Daiichi accident • Long term operation for existing fleet • Small Modular Reactors • Gen IV technologies • Other innovations Moderator: Henri Paillère, NEA <u>1.b: Fuel cycle and decommissioning</u> Presenter: Remy Autebert, AREVA Short presentation (10') followed by group discussion, focused on the following topics: <ul style="list-style-type: none"> • Front and back end of the fuel cycle - development of new fuels such as accident tolerant fuels, reprocessing options, storage and disposal of high level waste, intermediate and extended storage solutions, transport • Decommissioning Moderator: Anna Bryndza, UxC

13:00-14:00	Lunch (provided)
14:00-15:30	<p>Session 2: Breakout Discussion</p> <p>Two parallel sessions, with in each case a short presentation (10') followed by a group discussion.</p> <p>Group I: Financing nuclear This session will focus on today's reality for financing nuclear and the current economics of nuclear. Mechanisms such as government loan guarantees, vendor financing and role of export credit agencies will be discussed. Participants will be asked to share lessons learnt and current practices on financing nuclear as well as recommendations (if needed) for additional policy support or changes in technology development (e.g. SMR) which would facilitate greater deployment of nuclear technologies.</p> <p>Presenter: Paul Murphy, Milbank, Tweed, Hadley & McCloy LLP</p> <p>Moderator: Nadira Barkatullah, UAE Regulation and Supervision Bureau</p> <p>Group II: Nuclear regulation and safety This session will focus on regulatory needs for enhanced security and regulation for new build programmes, institutional development requirements for new nuclear countries. Safety research following the Fukushima Daiichi accident will also be discussed.</p> <p>Presenter: Vincent Nkong-Njock, IAEA, on IAEA approach and support to Member States on Nuclear Power infrastructure</p> <p>Moderator: Melissa Dubinsky, RIZZO</p>
15:30-16:00	Coffee break
16:00-17:15	<p>Session 3: Overcoming barriers to nuclear build out</p> <p>Presenter: Didier Cordero, EDF</p> <p>Short presentation followed by group discussion, focused on the following topics:</p> <ul style="list-style-type: none"> • Codes and standards • Licensing – harmonisation • Training and capacity development needs • Initiatives to facilitate introduction of new technologies (R&D, pre licensing, etc..) <p>Moderator: Henri Paillère</p>
17:15-17:45	<p>Discussion: Bringing it All Together</p> <p>Participants invited to share their views on recommendations and key messages for the nuclear roadmap. Cecilia Tam and Henri Paillère to summarise the discussions and inform participants on next steps and how to stay involved in the roadmap process.</p>
17: 45	Closing