

## INTERNATIONAL WORKSHOP ON ADVANCED REACTOR SYSTEMS AND FUTURE ENERGY MARKET NEEDS

Wednesday 12 April 2017 (9.30 – 17.30)

OECD Conference Centre, Paris, France

- 9.30-9.45 Welcome by NEA DG W. Magwood or DDG D. Iracane
- 9.45-10.30 **Session 1. Towards a decarbonised world** (Chair: Kirsty Gogan, Energy for Humanity) (3x10' + 15' Q&A)
  - Decarbonisation scenarios/nuclear, K. Ben Naceur, IEA (10')
  - Nuclear post COP21, D. Shropshire, IAEA (10')
  - Mission Innovation, D. Brady NRCAN (10')
- 10.30-10.45 Coffee break
- 10.45-11.55 **Session 2. Electricity markets** (moderated by M. Baritaud, IEA) (5x10' + 20' Q&A)
  - EPRI, N. Wilmshurst (10')
  - EURELECTRIC: Alain Janssens (10')
  - CRE: Dominique Jamme (10')
  - ENTSOE, H. Urdal (10')
  - NEA: Jan Keppler (10')
- 11.55-12.30 **Session 3: Regulatory aspects** (moderated by A. Cohen/A. Finan, Nuclear Innovation Alliance, tbc) (3x10' +5' Q&A)
  - Regulatory aspects: NRC, A. Cabbage (10')
  - Environmental aspects: EDF tbc (10')
  - Codes & Standards: WNA Cordel (A. Wasyluk) (10')
- 12.30 – 14.00 Lunch

- 14.00 – 15.00 **Session 4a: Designs under development (Evolutionary LWR, LWR-based SMRs)** (4x10' + 20' Q&A, R. Ivens, FORATOM)
  - Atomenergoproekt (ASE, RF), D. Paramonov (tbc)
  - Westinghouse (US/JP)
  - EDF NM, J. de Toni (France)
  - NuSCALE, C. Colbert (US)
- 15h00 – 15h15 Coffee break
- 15h15 – 16h30 **Session 4b: Designs under development (Cont) (Gen IV and non LWR SMRs)** (moderator L. Edwards, ANSTO, AUS) (5x10' + 25')
  - Sodium fast reactor: H. Kamide (JAEA, Japan)
  - Lead fast reactor SMR: I. Hwang (SNU, Korea)
  - VHTR & cogeneration: M. Fuetterer (NC2I, EU)
  - Terrapower, C. Levesque (US)
  - MSR: Terrestrial Energy, D. LeBlanc (CAN)
- 16h30 – 17h20 **Session 5: Innovations in nuclear energy systems** (moderator E. Redmond, NEI/GNI, US) (4x10' + 10' Q&A)
  - Nuclear Innovation 2050, F. Rayment (NNL, UK)
  - French nuclear society's views on innovation, V. Faudon, SFEN (France)
  - Nuclear Innovation Alliance, A. Cohen or A. Finan (US)
  - Generation IV International Forum, F. Gauché (CEA, France)
- 17h20 – 17h45 **Wrap up session (chairs & moderators)**