Welcome from the International Atomic Energy Agency

Janos Eiler Shanghai, 13 October 2015







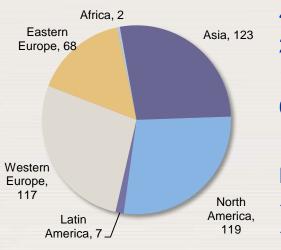


Global nuclear power outlook



Global nuclear power situation

Geographical distribution

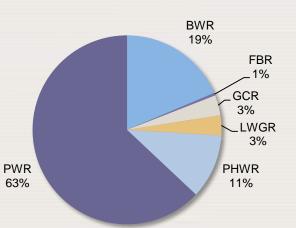


438 reactors in operation (379 GWe)
2 reactors in long-term shutdown
156 reactors in permanent shutdown
68 reactors under construction As of October 2015

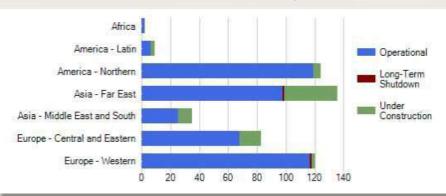
Latest connections to the grid:✤ Five 1000 MW(e), PWR, China

SHIN-WOLSONG-2, 960 MW(e), PWR, Korea

Reactor capacity by type



Website: http://www.iaea.org/pris/



Regional Distribution of Nuclear Power Plants

Newcomers with 1st NPP under construction

UAE – Unit 1, July 2012 Unit 2, May 2013

Belarus – Unit 1, Nov 2013

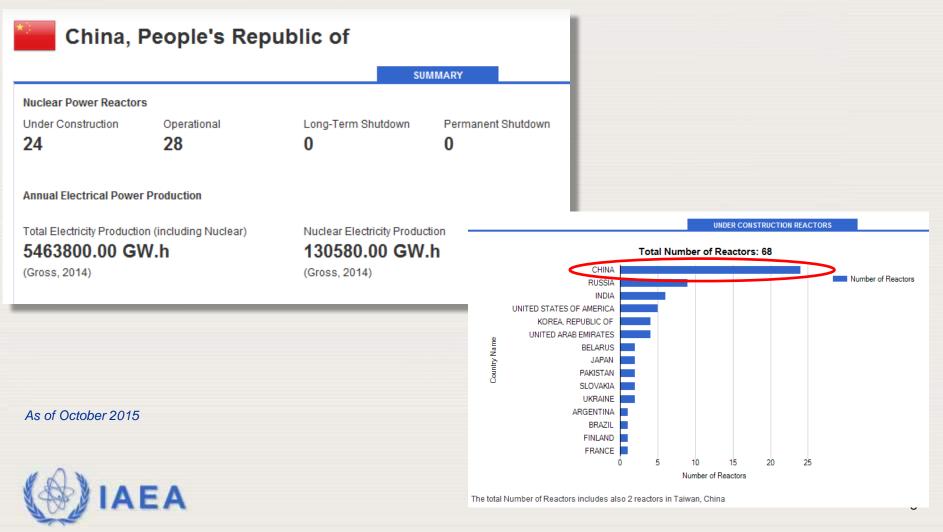


As many as 5 countries may have their first reactors under construction in the next 5 years



Status in China

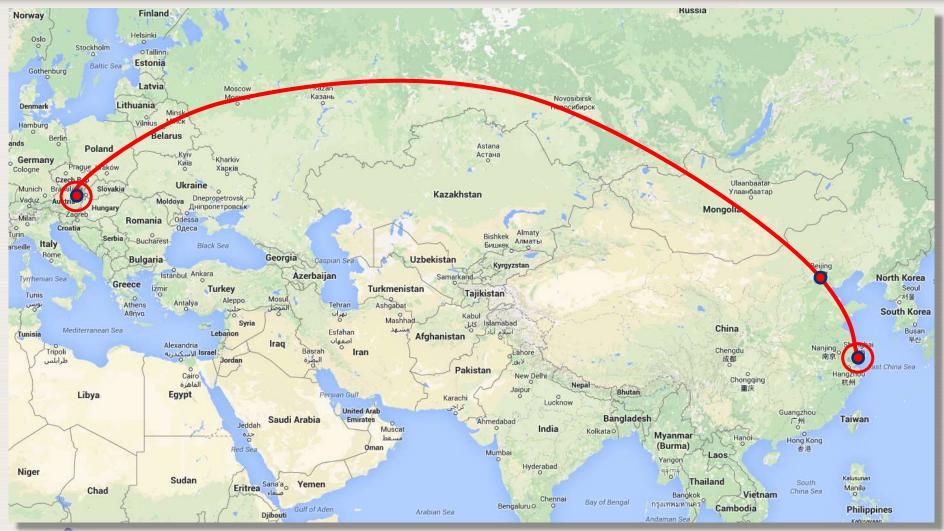
• Electricity production share in 2014: 2.39% nuclear



Introduction to the IAEA



Vienna - Shanghai









The IAEA and its mission

- President Dwight D.
 Eisenhower's Atoms for Peace speech to the UN General Assembly in New York on December 8, 1953
- IAEA is the UN's scientific forum for cooperation in the nuclear field
- Maximizing the contribution of nuclear technology to the world, while verifying its peaceful





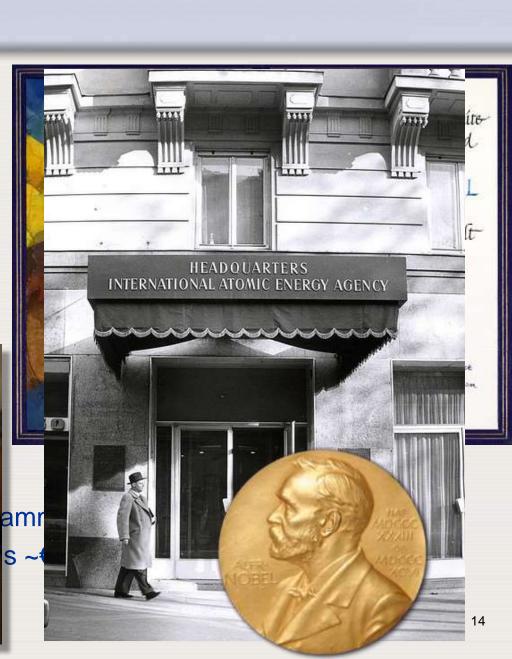
IAEA at a glance

- Founded in 1957
- 165 member states
- New members in 2015
 - Djibouti, Guyana and Republic of Vanuatu
- 2398 staff
- Nobel Peace Drize 2005

XINHUA/AFP

- Annual but
 - Regular l
 - Technica
 - Extra-buc

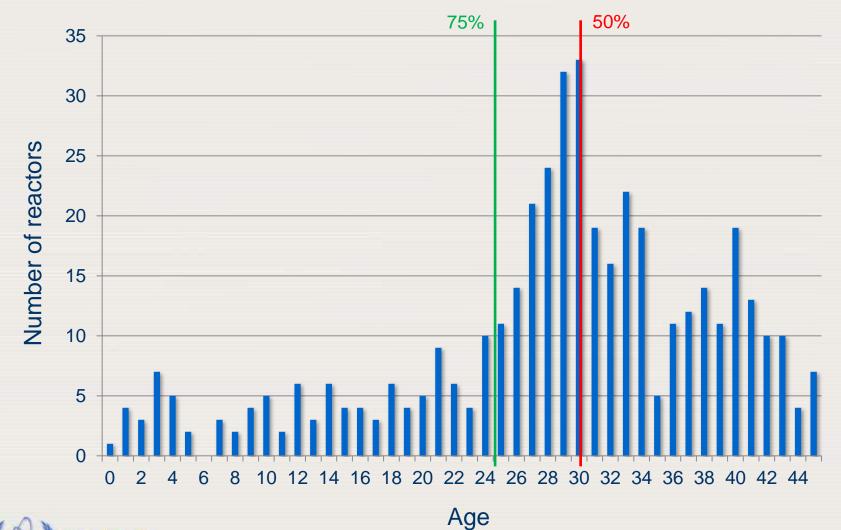




Location of the IAEA



Age of operating reactors





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Support for operation, expansion and newcomers



IAEA assistance to global nuclear power

- Meetings, workshops and conferences
 - Consultants' Meetings
 - Technical Meetings
 - Technical Cooperation Workshops / Training Courses / Expert missions
 - International Conferences and Symposia
 - International Expert's Meetings (new)
- Review missions
- Coordinated research projects
- Technical Cooperation (TC) projects
- Publications (standards, guidance, and other documents)
- Mobilization of international experts



IAEA response to the Fukushima accident



IAEA draft report on FPGAs

IAEA NUCLEAR ENERGY SERIES No. D-NP-T-3.17

APPLICATION OF FIELD PROGRAMMABLE GATE ARRAYS IN INSTRUMENTATION AND CONTROL SYSTEMS OF NUCLEAR POWER PLANTS

INTERNATIONAL ATOMIC ENERGY AGENCY VIENNA, 2015



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Thank you for your attention!

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I wish all of you a very successful workshop