

CNSC Staff Located Across Canada

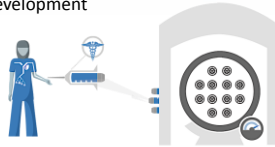
- 22 Nuclear Power Reactors on 5 Sites
- 8 Research Reactors
- 6 active uranium mines/mills in Northern Saskatchewan provide significant portion of world supply
- 20+ historic waste sites, including Port Hope
- 3,300 Licences



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Canada has over five decades of experience...

- Nuclear reactor pioneer
 - First country outside US to operate a reactor
 - On-going research and development
- Uranium mining
- Medical isotopes

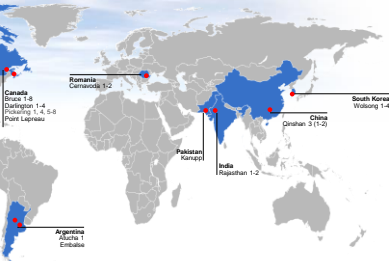


...on the international nuclear scene

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31 operating CANDU reactors around the world

- Argentina: 1
- Canada: 19
- China: 2
- India: 2
- Romania: 2
- South Korea: 4
- Pakistan: 1



All using natural uranium - pretty good safety record

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CNSC international cooperation

- ⦿ International Atomic Energy Agency (IAEA)
- ⦿ Nuclear Energy Agency (NEA)
- ⦿ Multinational Design Evaluation Program (MDEP)
- ⦿ International Nuclear Regulators Association (INRA)
- ⦿ International Commission on Radiological Protection (ICRP)
- ⦿ CANDU Senior Regulators

Regulatory collaboration and support

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Canada's commitment to non-proliferation...

- ⦿ World's 2nd biggest uranium producer
- ⦿ 28 Nuclear Cooperation Agreements and 22 Administrative Arrangements with 45 countries, including EURATOM
 - Canada – India negotiations important 2012 development
- ⦿ U.S. origin HEU repatriation



...remains as strong as ever

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Fukushima was an eye-opener

- ⦿ Continuous improvement to safety and refurbishment meant Canada's nuclear industry was well-prepared to respond
- ⦿ Fukushima Lessons Learned
 - Strengthening defence-in-depth
 - Enhancing emergency preparedness / response
 - Improving our regulatory framework
 - Improving communication



Our commitment to safety has never wavered

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Leadership must start at the top

- ⊙ More aggressive IAEA / WANO
 - Whistle blowing on non-performing countries/regulators/operators
 - Transparent peer reviews (IRRS)
 - Clarify evacuation and post-accident recovery requirements
- ⊙ Integrated safety, security and safeguards
- ⊙ Consistent messaging from international bodies
- ⊙ Vendors' responsibility
- ⊙ Operators sharing off-site resources

Collective responsibility to address accountability gaps

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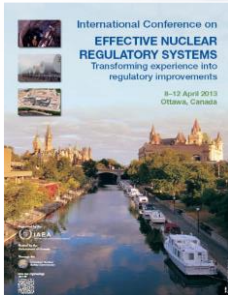
Transparency and communications...

- ⊙ Public concerns
- ⊙ 24/7 media
- ⊙ Dealing with misinformation
 - Public hearings / engagement
 - Web presence, social media, plain language
- ⊙ Public Hearings and Webcasting
 - DGR
 - Port Hope
 - Darlington new build
 - Pickering refurbishment
 - Uranium mines



...essential to winning public trust

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**Canada hosting IAEA
International Conference on
Effective Nuclear Regulatory
Systems in Ottawa,
April 8-12, 2013**

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*We Will Never
Compromise Safety...*

... It's In Our DNA!

nuclearsafety.gc.ca

Canada / Québec
Sûreté nucléaire
Commission canadienne
de sûreté nucléaire

Canada
