

Canada's Global Partnership Progress and Programming at the Mid-Point

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Presentation Outline

- Achievements 2002-2007 in GP Priority Areas:
 - Nuclear and Radiological Security
 - Chemical Weapons Destruction
 - Re-employment of Former Weapon Scientists
 - Nuclear submarine dismantling
- Proposed 2008-2012 in GP Priority Areas:
 - Nuclear and Radiological Security
 - Chemical Weapons Destruction
 - Re-employment of former weapon scientists
 - Biological Non-Proliferation
 - Nuclear submarine dismantling



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Nuclear and Radiological Security Achievements 2002-2007

- Physical Protection
 - 5 Facilities Secured
- Radiological Security (RTGs)
 - RTG removal and infrastructure initiatives in collaboration with Norway, VNIITFA & US
- IAEA Nuclear Security Fund
- Ukraine Border Security
- Plutonium Disposition



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Chemical Weapons Destruction Achievements 2002-2007

- Shchuch'ye Site Projects:
 - Supply destruction process equipment (\$55M)
 - Supply catalytic reactors (\$14M)
 - Supply other destruction process lines and equipment packages
 - Infrastructure projects
 - Railway (\$33M) - completes December 2007
 - Inter-site communications system (\$10m)



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Re-employment of Former Weapon Scientists Achievements 2002-2007

- Partnerships with ISTC (2004) and STCU (2006)
 - 100+ research projects (\$26M), engaging nearly 2,600 former weapons scientists.
 - 20 Canadian-initiated S&T workshops to identify opportunities for collaborative research
 - Capacity-building workshops, training, and other sustainability-driven activities(\$12M)



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Biological Non-Proliferation Achievements 2002-2007

- Development of an International Bio-security and Bio-safety (BS&BS) Strategy
 - Guideline Translations/ Training initiatives/ Forming Associations/ Upgrade Assessments
- Biological Non-Proliferation Redirection Projects Support
 - 26 bio-specific projects through ISTC (~ \$6M US)
 - Redirecting > 600 former bio-weapons scientists
 - Projects in Russia, Kyrgyzstan, Kazakhstan, Georgia and Armenia



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Nuclear Submarine Dismantling Achievements 2002 - 2007

- 11 Victor Class NPS de-fuelled (22 reactors) and 1 Typhoon Class SSBN commencing preps for de-fuelling
- 8 Victor Class NPS fully dismantled and 3 NPS partially dismantled
- 20 Infrastructure projects completed
- Environmental management plan executed
 - Zvezdochka ISO 14001 compliant by December 2007
- Environmental Assessment of Russian Far East program (2008-2012) initiated



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SSBN 724 Arrival in FSUE SP Zvezdochka



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Nuclear and Radiological Security Intentions and Program 2008-2012

- The Nuclear and Radiological Security program will continue work in the following program areas, with the possibility of geographically expansion:
 - Physical Protection
 - Radiological Security
 - International Atomic Energy Agency Nuclear Security Fund
 - Plutonium Disposition



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Chemical Weapons Destruction Intentions and Program 2008-2012

- Partnership with UK and Russia
 - Completion and commissioning of Shchuch'ye Site
 - Establishing and commissioning the Kizner Chemical Weapons Destruction Facility
- Commencement of CW weapon destruction



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Re-employment of Former Weapon Scientists Intentions and Program 2008-2012 *

- Continued focus on re-employment of former weapons scientists toward sustainable, civilian employment, with the possibility of geographic expansion, through:
 - Continued partnerships with ISTC and STCU
 - Potential partnerships with other threat reduction programs
 - Research projects
 - Capacity-building workshops, training, and other sustainability-driven activities

* *Program subject to
final fiscal approval*



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Biological Non-Proliferation Intentions and Program 2008-2012 *

- Continued implementation of a international Bio-security and Bio-safety (BS&BS) Strategy
- Consolidation of dangerous pathogens
 - Canada prepared to commit ~\$40M/country to enhance comprehensive BS&BS, including through design & construction of a new Biosafety Level 3 biocontainment facility:
 - Kyrgyz Republic
 - Second priority country

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Nuclear Submarine Dismantling Intentions and Program 2008-2012*

- De-fuel a minimum of eight NPS
- Assist Russian Federation in establishing an operational rail line Bolshoi Kamen to Smolyaninovo to remove SNF from FSUE Zvezda
- Assist Russian Federation in transporting NPS from Kamchatka to Primorsky Kray
- Dismantle a minimum of seven NPS
 - Two in NW Russia
 - Five in Far East Russia
- Seek partners to fund additional NPS de-fuelling and dismantling

* *Program subject to final fiscal approval*



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Conclusions

- Canada is making substantive progress in all Global Partnership priority areas
- All Canadian Global Partnership initiatives are at their 'mid-point' with a range of new initiatives over the coming years
- Canada encourages all Global Partnership participants to fulfil their pledges and look at geographical expansion beyond 2012 to address worldwide WMMD threat



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