Status of and challenges to chemical weapons destruction

Dr. Stephan Robinson Green Cross Legacy Programme St.Galler-Ring 9 CH-4055 Basel Tel./fax +41-6328 91 97 stephanrobinson@ greencrossch London, 27 February 2002

Toxicity of chemical weapons

- Two generations of chemical weapons (CWs)
 - Blister agents: mustard gas, lewisite
 - Attack the skin, relatively low lethality
 - Nerve agents: tabun, sarin, soman, VX
 - Attack the nervous system, high lethality











- Prohibits since April 1997 the development, production, stockpiling, and use of CWs
- Puts the destruction of CWs under international control
- Is a non-discriminatory treaty

- Provides regular on-site inspections and provisions for challenge inspections
- Has today 145 member states

Declared CW stockpiles

- Russia: 40'000 metric tons at 7 stockpiles
- U.S.: 31'500 metric tons at 9 stockpiles
- India: several thousand metric tons

- South Korea: several thousand metric tons
- Important groups of missing member states: Korean Peninsula, Middle Eastern States





American conditions (1)

- U.S. FY2002 budget for chemical weapons destruction in Russia: USD 50 million
- Conditions:

GREEN

 - "(1) information provided by Russia, that the United States assesses to be full and accurate, regarding the size of the chemical weapons stockpile of Russia;

- Bilateral discussions started on 26 February 2002
 "(2) a demonstrated annual commitment by Russia to allocate at least \$25,000,000 to chemical weapons elimination;
 - Russian expenditures 2001: USD 115 million, Russian FY2002 budget: USD 200 million



American conditions (3) - "(5) an agreement by Russia to destroy or convert its chemical weapons production facilities at Volgograd and Novocheboksark; and Russia has requested the OPCW to approve conversion of the former production facilities - "(6) a demonstrated commitment from the international community to fund and build infrastructure needed to support and operate the facility."

Foreign assistance to Russian CW destruction (1)

- Total costs of Russian CW destruction programme: USD 3.5-4 billion
- Committed

- USA: USD 888 million (Shchuch'ye)
- Germany: USD 31 million (Gorny)
- EU (TACIS): USD 16.3 million (Gorny, Dzershinsk, Shchuch'ye)
- UK: 11.4 Mio. USD (Shchuch'ye)
- The Netherlands: USD 10 million (Gorny)
- Italy: USD 6.9 million (Shchuch'ye)
- Norway: USD 2 million (Shchuch'ye)
- Sweden: 0.5 Mio. USD (Kambarka)
- Finland: 0.4 Mio. USD (Kambarka)
- Canada: USD 0.2 million (Shchuch'ye)



- Finland: USD 0.5 million
- Nuclear Threat Initiative: USD 1 million
- Total considered non-U.S. funds: approx. USD 40 million

Unresolved questions Endpoint of CW destruction Transport of CWs and their reaction mass across Russia Processing of final waste Poor public involvement Neglect of public health, environmental monitoring and emergency preparedness Additional interactional excitance

- Additional international assistance
- Coordination of international assistance