

Nonproliferation Through Science Cooperation

The ISTC and the G-8 Global Partnership

Moscow, 24 April 2004



I S T C



М Н Т Ц

Nonproliferation Through Science Cooperation

ISTC Parties

- *GB Members:* Canada, European Union, Japan, Russian Federation, United States of America
- *Other:* Norway, Republic of Korea
- *CIS:* Armenia, Belarus, Georgia, Kazakhstan, Kyrgyz Republic, Tajikistan



Redirection of Weapons' Scientists

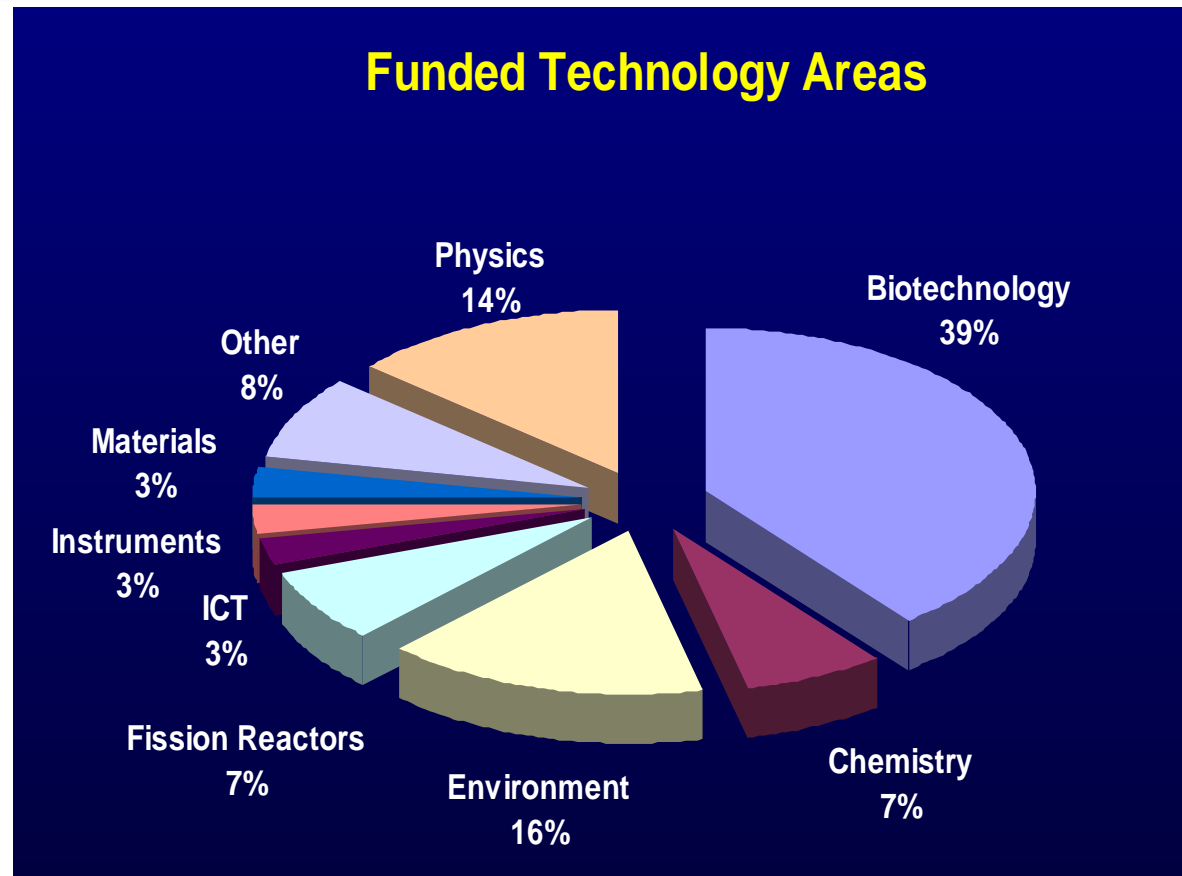
- *To date, ISTC has funded projects at almost 700 Russian institutes with grants to more than 52,000 scientists*
- *ISTC-funded scientists use their expertise to solve international technical problems*
- *The ISTC is more than just a funding source; the Center often plays the role of advisor, problem-solver, and mediator for individuals*

Russia's "Closed Cities"

Through ISTC support, formerly isolated scientists have gained invaluable experience in open research, accountability, and participation in international conferences. With this experience, ISTC-funded scientists serve as models of civil conversion for the whole of Russia's network of closed cities. ISTC has never once been denied access to any site, including closed cities.



ISTC Technology Areas



- *Since 1994, \$590 Million in funding at 765 institutes*
- *In 2003, Partner funding (\$30.8 million) represented 42% of all new project funding*



Relevant Work of the ISTC

■ **Submarine decommissioning**

ISTC involvement ranges from new technologies for dismantlement to oceanic radio-nuclide databases

■ **Chemical weapons destruction**

Technological approaches include blast furnaces and transmutation into commercial products

■ **Disposition of fissile materials**

Research on reactor types and new fuels includes feasibility and safety studies

■ **Bio-safety and bio-security**

Bio is one of ISTC's strongest areas; accounting for 39% of new funding and 25% of new projects



Redirection of Weapons' Scientists

- *Main ISTC activities:*

Project funding, partnering programs, commercialization support, workshops/seminars, conference participation

- *Renewed focus on sustainability and programmatic approach provides Russian/CIS institutes and individuals with long-term viability*



ISTC Advantages

- *ISTC has established programs and methods for success that can be utilized by interested parties in and outside G-8*
- *History of working with CIS*
- *Relationships: ISTC knows and has the trust of key institutes and individuals*
- *Experience of partnering with private and governmental agencies and firms*

The Action Plan of the G-8 Global Partnership calls for greater collective involvement in non-proliferation in Russia. ISTC programs provide an opportunity for such integrated engagement