

Nonproliferation Through Science Cooperation



International Science and Technology Center

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Who are we?



An intergovernmental nonproliferation organization acting through 'science cooperation'

Our core objectives:

- Help *integrate former WMD scientists* into the global scientific community
- Reinforce the *transition to the market* economy
- *Redirect* former WMD scientists of Commonwealth of Independent States (CIS)
- Contribute to *solving* national/global science & technology *problems*
- Support basic and applied *research*



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History of ISTC



- Founded in 1992 by the governments of the EU, Japan, the USA and Russia; operations began in 1994 in Moscow
- Norway, S. Korea, Canada, joined as Funding Parties (Switzerland is expected to join soon)
- Over 400 organizations (governmental and private) have become Funding Partners
- Headquarters in Moscow with Branch Offices in Armenia, Belarus, Georgia, Kazakhstan, Kyrgyz Republic, and Tajikistan

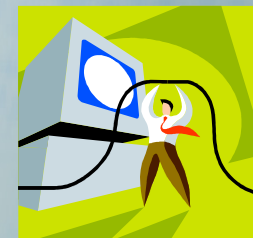
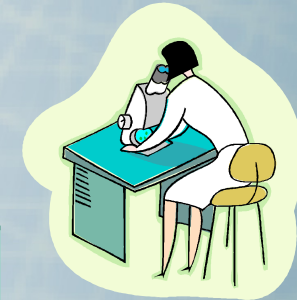


What do we do?



Fund and manage a variety of science-related projects & activities

- **Science R&D projects**
- Workshops/conferences
- Communications support
- Travel support
- Commercialization support



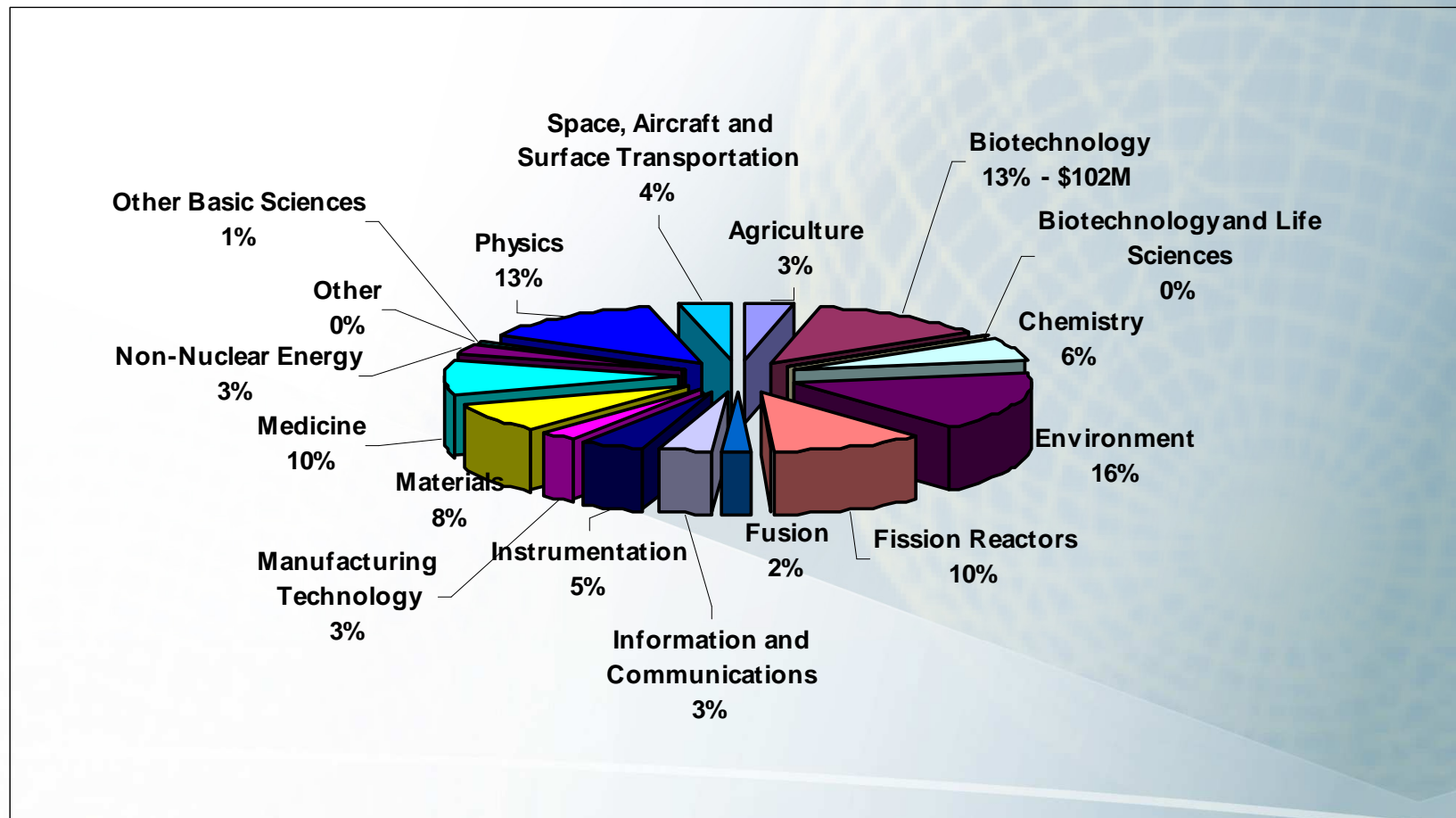
15 Years of Accomplishment



- ✓ **PROLIFIC** - > 75,000 scientists engaged in CIS, >2650 Projects, and > \$815 Million USD in funding over 15 years of operation
- ✓ **UNIQUE** - 39 nations engaged in cooperative technology development, and growing...
- ✓ **RESPECTED** - Intergovernmental organization with status of diplomatic mission
- ✓ **TRANSPARENT** - Legal, audited, effective, and transparent mechanism



Project Funding Since Inception: \$814.5 million USD

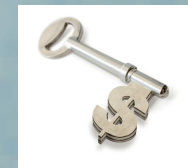


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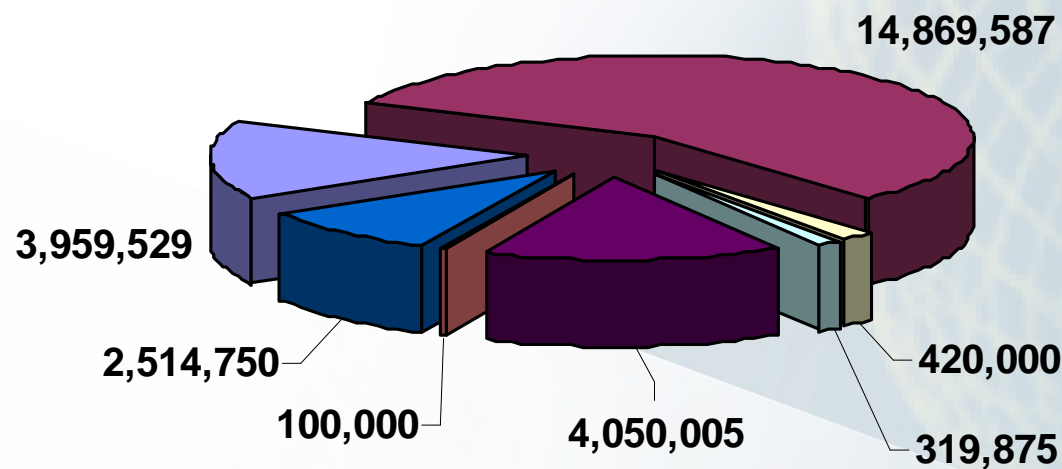
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Where Does the Funding Come From?

- Funding Parties, e.g.
 - Canada, European Union, Japan, United States
- Funding Partners, e. g.
 - Airbus
 - United States Department of Agriculture
 - United States Department of Health and Human Services



2008 Project Funding (\$) By Source



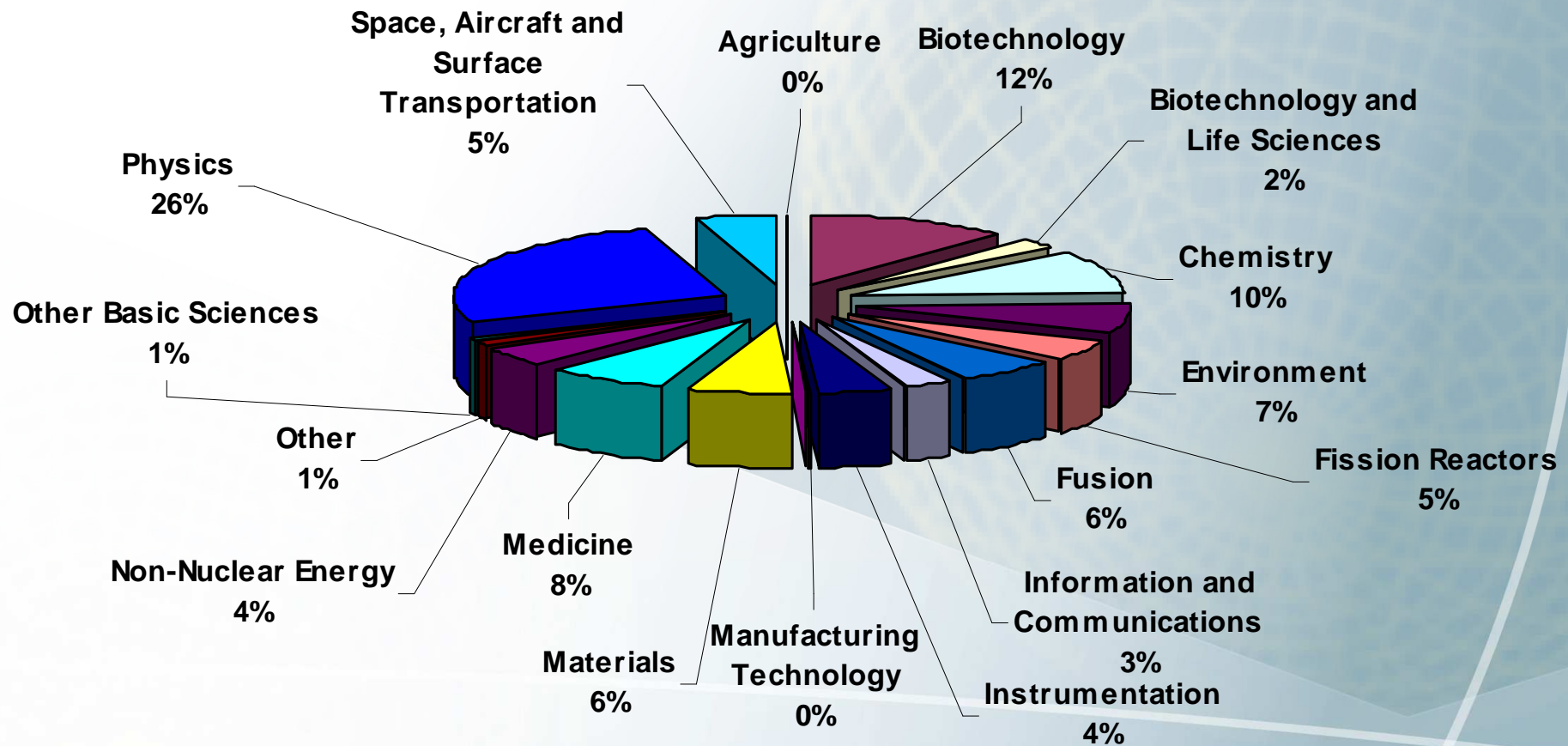
- Canada
- EU
- Korea
- USA
- US Partners
- Japan Partners
- EU Partners



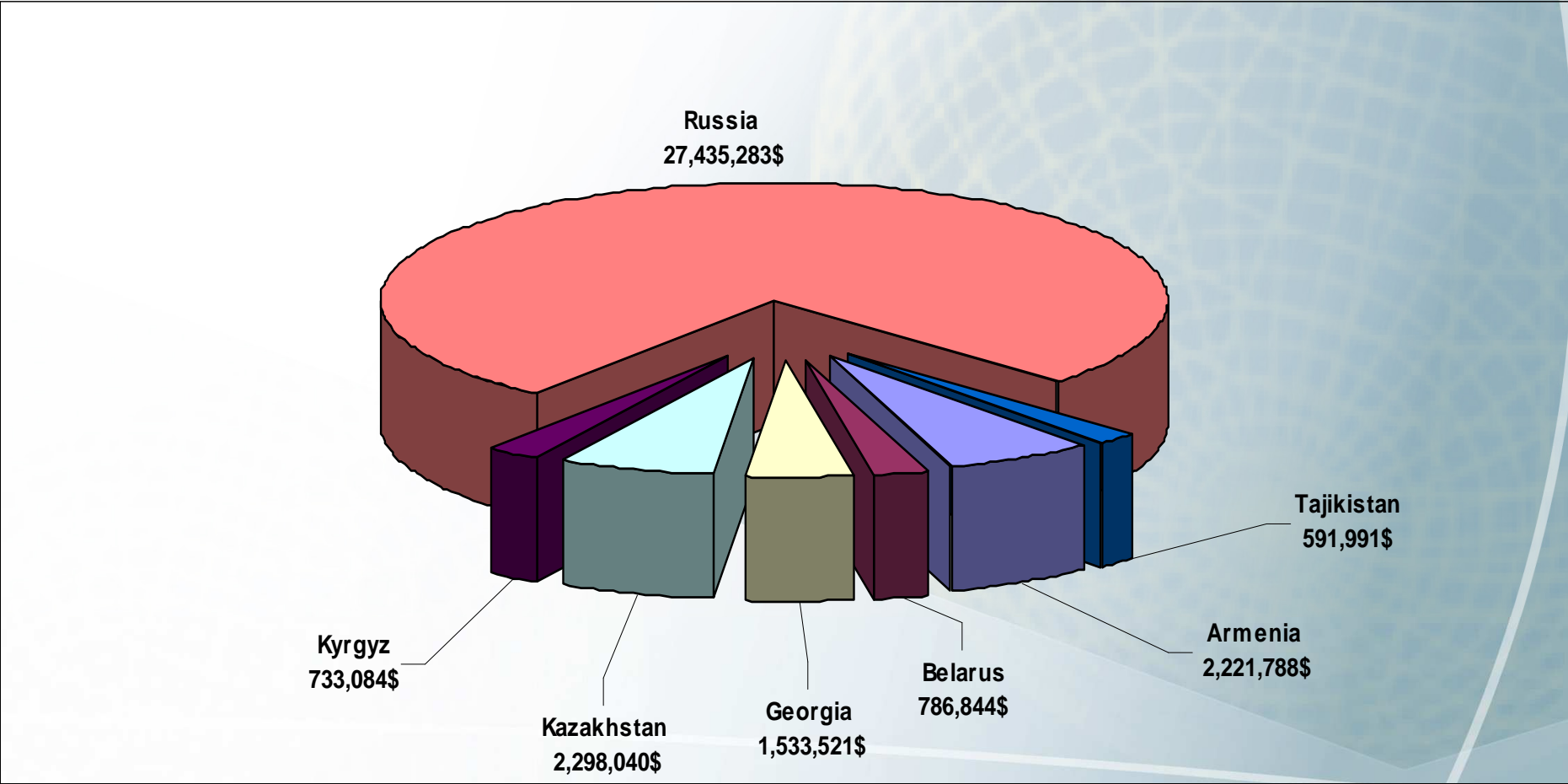
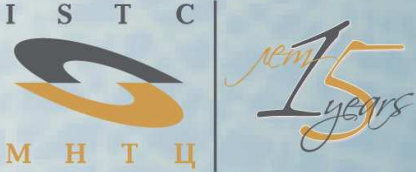
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2008 Project Funding: \$26.2 Million USD



Grants Paid in 2008 by ISTC to CIS Beneficiary Scientists



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Evolution of ISTC Mission



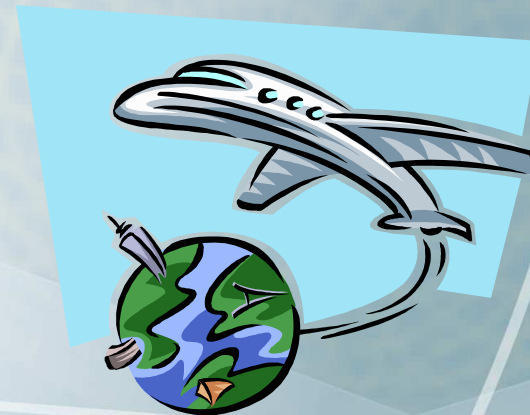
Initial mission:

- “stop-gap” measure to gainfully employ former weapons scientists
- forum for international community to engage CIS countries on nonproliferation and science issues



Fifteen years later:

- catalyst for innovation and technology development
- integration of CIS scientists into global initiatives
- science that is truly “in demand”
- greater emphasis on sustainability



Global Security Activities



In 2005, ISTC established the Department of Global Security and Strategic Planning

The focus was on redirection of former weapons scientists, but utilizing their scientific expertise to address global security issues with respect to CBRN in terms of:

- Safety & security of facilities and materials
- Transportation and containment technologies
- Destruction and conversion technologies
- Materials and process controls
- Detection and law enforcement technologies



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GS Funding by Thematic Area



DESTRUCTION AND CONVERSION	\$ 20,195,857
DETECTION AND ENFORCEMENT	\$ 19,222,401
PHYSICAL SAFETY AND SECURITY	\$ 22,248,819
MATERIAL AND PROCESS CONTROL	\$ 1,865,997
TRANSPORTATION AND CONTAINER SECURITY	\$ 1,612,315
PUBLIC HEALTH SAFETY & SECURITY	\$ 18,803,683
Total	\$ 83,949,072



Summary: ISTC = Vehicle for Scientific Collaboration



- Proven mechanism for implementing projects
- Rich technical resources with 165 Moscow-based staff
- Unique source of valuable skills training, information and “matchmaking”
- Synergies of 39 nations, 400+ Partners, and thousands of science collaborators working together



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