



The Abdus Salam
International Centre
for Theoretical Physics



United Nations
Educational, Scientific and
Cultural Organization



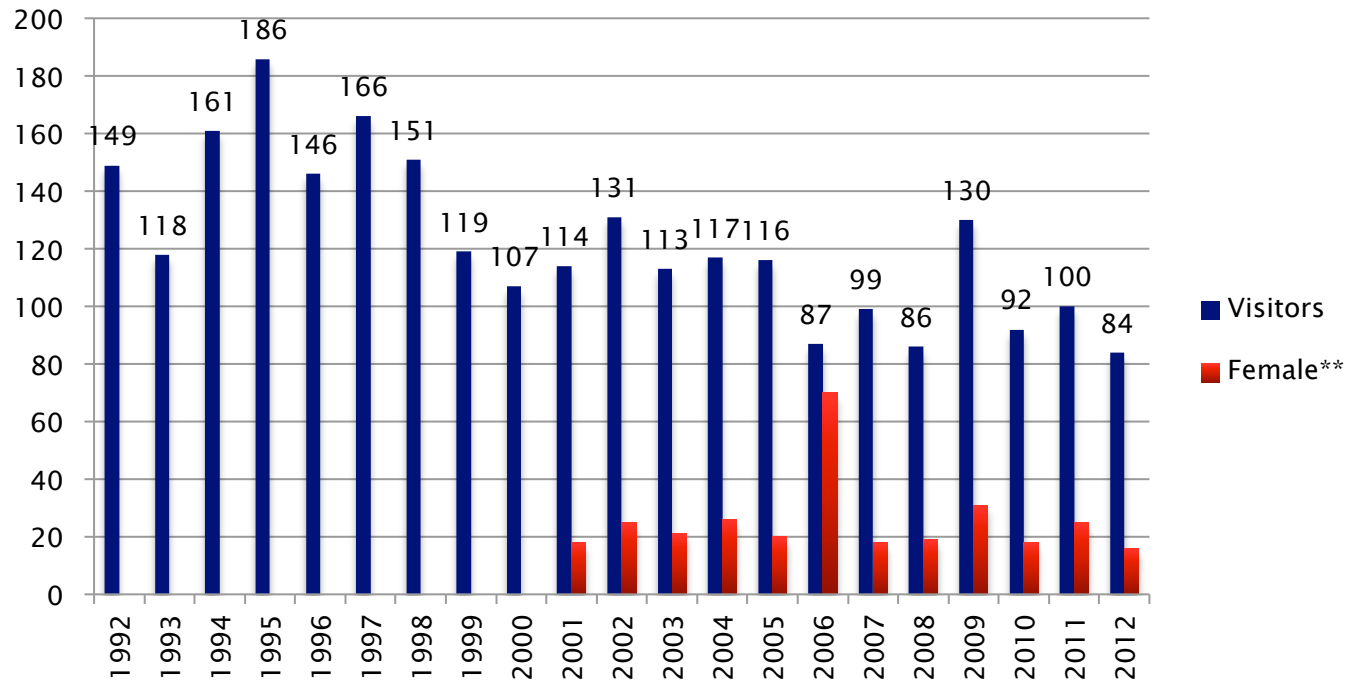
IAEA
International Atomic Energy Agency



Focus on Russia

Summary of ICTP activities
in support of science in
Russia

ICTP Visitors from Russia 1992–2012*



*For the period 1992–2012, 2572 visitors came from Russia;
Average presence of women since 2001 is 26% of total visits
from 2001–2012.

**Data on female visitors not available before 2001

Data before 1992, is available upon request.

Visitors Summary as of 2012

- ▶ Scientific visitors from Russia
 - 2572 (1970–2012)
 - 307 women since 2001 (26%)

- ▶ Russian participation in ICTP Programmes
 - 50 Affiliates from 14 Federated Institutes
 - 9 Associate Members (2 female)
 - 7 TRIL Fellows (1 female)
 - 3 ICTP–ELETTRA Students (1 female)



Russia at ICTP

Distinguished Guests

▶ Nobel Laureates

- Konstantin Novoselov, 2010
 - Visited ICTP in 2007 and 2008
- Alexei A. Abrikosov, 2003
- Vitaly L. Ginzburg, 2003
 - Visited ICTP in 1986 and 1987

▶ Field Medallists

- Stanislav Smirnov, 2010
 - ICTP Lecturer, 2008
- Vladimir Voevodsky, 2002
 - ICTP Lecturer, 2002
- Maxim Kontsevich, 1998
 - Visited ICTP in 1995



Russia at ICTP

Distinguished Guests

▶ (Field Medallists—continued)

◦ Grigori Margulis, 1978

- Also Wolf Prize in Mathematics, 2005
- ICTP Lecturer at ICTP School and Workshop on Dynamical Systems, 2001

▶ Abel Prize

◦ Mikhail L. Gromov, 2009

- Visited ICTP in 1985

▶ AGU Award

◦ Ismail-Zadeh, 2009

- ICTP lecturer and researcher, ICTP SAND Group, 1994

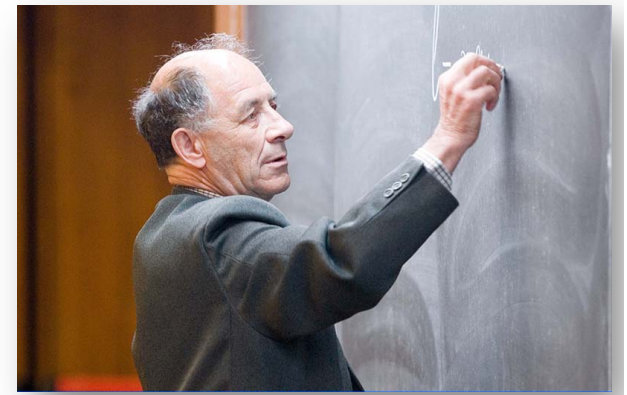


Russia at ICTP

Distinguished Guests

▶ Wolf Prize in Mathematics

- Vladimir I. Arnol'd, 2001; *(1937–2010)*
 - Visiting Scientist 2006–2009
 - Organizer of College on Singularity Theory in 1991
- Mikhail Gromov, 1993
 - Visited ICTP in 1985
- Izrail M. Gelfand, 1978
 - Visited ICTP in 1996
 - Wolf Prize in Physics
- Vitaly L. Ginzburg, 1994–1995



Russia at ICTP

Distinguished Guests

- ▶ **Beno Gutenberg Medal, 2002**
 - Tatyana Yanovskaya, St. Petersburg State University
 - Collaborated with ICTP–SAND Group since 1990
- ▶ **Primo Rovis Prize 2002**
 - Evgeny Pavlovic Velikhov, Russian Academy of Sciences
 - Visited ICTP in 2007, G8 UNESCO Forum
 - Dmitry V. Rundqvist, Russian Academy of Sciences
 - Collaborated with ICTP–SAND group since 1993
- ▶ **Lewis Frey Richardson Medal, 1999**
 - Vladimir Keilis–Borok, Russian Academy of Sciences
 - Collaborated with ICTP SAND group since 1987



Russia at ICTP

Russian awardees, ICTP Prizes and Awards

▶ Dirac Medal

- Alexander Zamolodchikov, 2011
- Vladimir E. Zakharov, 2003
- Andrei Linde, 2002
- Nikolai N. Bogolubov, 1992
- Yakov G. Sinai, 1992
- Ludwig D. Faddeev, 1990
- Efim S. Fradkin, 1988
- Alexander Polyakov, 1986
- Yakov Zeldovich, 1985



Russia at ICTP—VIP visits

- ▶ Evgeny Pavlovich Velikhov
 - President of Russian Research Centre, Kurchatov Institute
- ▶ Dmitry V. Livanov
 - Rector of State Technological University
- Visited ICTP in 2007, G8–UNESCO World Forum on Education, Research and Innovation: New Partnership for Sustainable Development'



Russia at ICTP

Notable Scientists

▶ Roald Sagdeev

- Distinguished Professor at University of Maryland
 - ICTP Speaker, Guest Lecturer of Plasma physics training activities
 - Alexei Starobinsky
- Workshop on Eternal Inflation, Speaker
 - Visited ICTP in 2009

▶ Viktor Antonovich Sadovnichy

- Rector of Lomonosov Moscow State University
 - Visited ICTP in 2006

▶ Inessa Vorobieva

- Collaborated with ICTP SAND group since 1994



Russia at ICTP

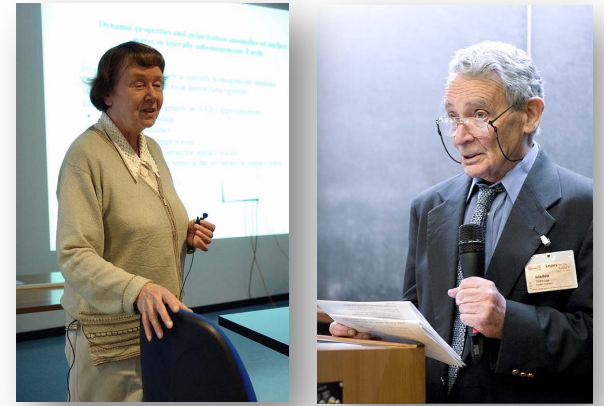
Notable Scientists

▶ Tatyana Yanovskaya

- Collaborated with ICTP SAND group since 1990
- Awarded the Beno Gutenberg Medal, 2002
 - European Geophysical Society

▶ Vladimir I. Keilis–Borok

- ICTP Course Director of ICTP training activities on Earthquake Prediction since 1983
- Awarded the Lewis Frey Richardson Medal, 1999
 - European Geophysical Society



Russia at ICTP

ICTP Scientific Council Members

- ▶ Valeri A. Rubakov, 2010–present
- ▶ Vladimir Lebedev, 2004
- ▶ Alexander F. Andreev, 1996–2003
- ▶ Isaac M. Khalatnikov, 1993
- ▶ Sagdeev Roald Z., 1989
- ▶ Markov M.A., 1975–1987
- ▶ Kadomtsev Boris, 1972–1975
- ▶ Soloviev Vadim Georgievich, 1964–1970
- ▶ Abragam Anatole, 1964



Russia at ICTP

Notable Scientific Staff

▶ Vladimir Kravtsov

- Head of ICTP CMSP Section, 2002–present
- CMSP Staff Member, 1998
- Staff Associate, 1995
- Visiting Scientist, 1993

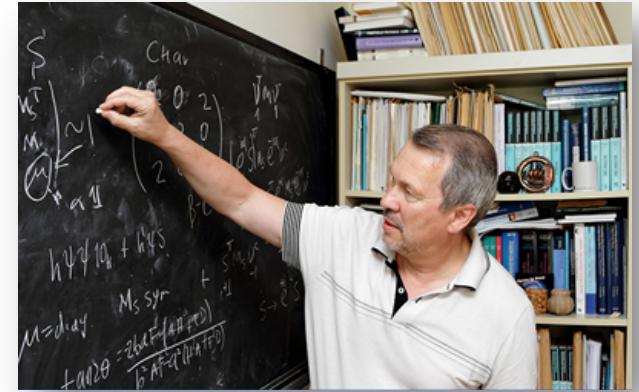


Russia at ICTP

Notable Scientific Staff

▶ Alexei Smirnov

- ICTP Principal Research Scientist, HECAP Section
- ICTP Staff Associate, 1994–1996
 - 2008 – The Sakurai prize of the American Physical Society with S. P. Mikheyev
 - 2008 – The Markov prize of the Russian Academy of Sciences with S. P. Mikheyev
 - 2007 – Schroedinger guest professor, Vienna
 - 2005 – The International Bruno Pontecorvo Prize with S. P. Mikheyev and L. Wolfenstein
 - 2004 – The Humboldt Research Award
 - 2004 – Award of Japan Society for the Promotion of science
 - 2002 – The Biedenharn endowed chair in physics, Univ. of Texas



Russia at ICTP

Notable Scientific Staff

- ▶ **Boris Altshuler**
 - Consultant, Guest Speaker, CMSP Section, 1987–present
- ▶ **Alexei Andreanov**
 - Postdoc, CMSP Section, 2009–2012
- ▶ **Mikhail Kiselev**
 - Research Scientists, CMSP Section, 2007–present
- ▶ **Vladimir Gribkov**
 - Staff Associate, Multidisciplinary Lab, 2010–2013
- ▶ **Vladimir Yudson**
 - Staff Associate, CMSP Section 2010–present



ICTP in Russia

Support by ICTP's Office of External Activities

▶ 4 Scientific Meetings

- International conference on differential equations, function space, approximation theory, Novosibirsk, 5–12 October 2008
- Fourth international symposium on experimental gravitation, Kazan, Tatarstan, 25 June 2 July 2005
- Annual international school "Volga", Kazan, Tatarstan, 22 June–4 July 2005
- First international A.D. Sakharov commemorative conference on physics, Moscow, 27–31 May 1991



ICTP Financial Support to Russia

- ▶ The amounts shown on the following pages give a lower-bound estimate of the financial support ICTP has provided to Russian science during the period 1996 to 2012.



ICTP Financial Support to Russia

ICTP programmes	Financial support in Euro
ICTP ELETTRA Programme*	4,000
OEA Programme	6,500
Associate Programme	29,000
Federation Programme	35,000
Postdoctoral Fellows	62,700
Research Group Visitors	76,000
TRIL Programme	180,100
Conference Participants	559,200
Total	952,500

*Less than 1%

ICTP financial support to Russia
Share by programme, 1996-2012

