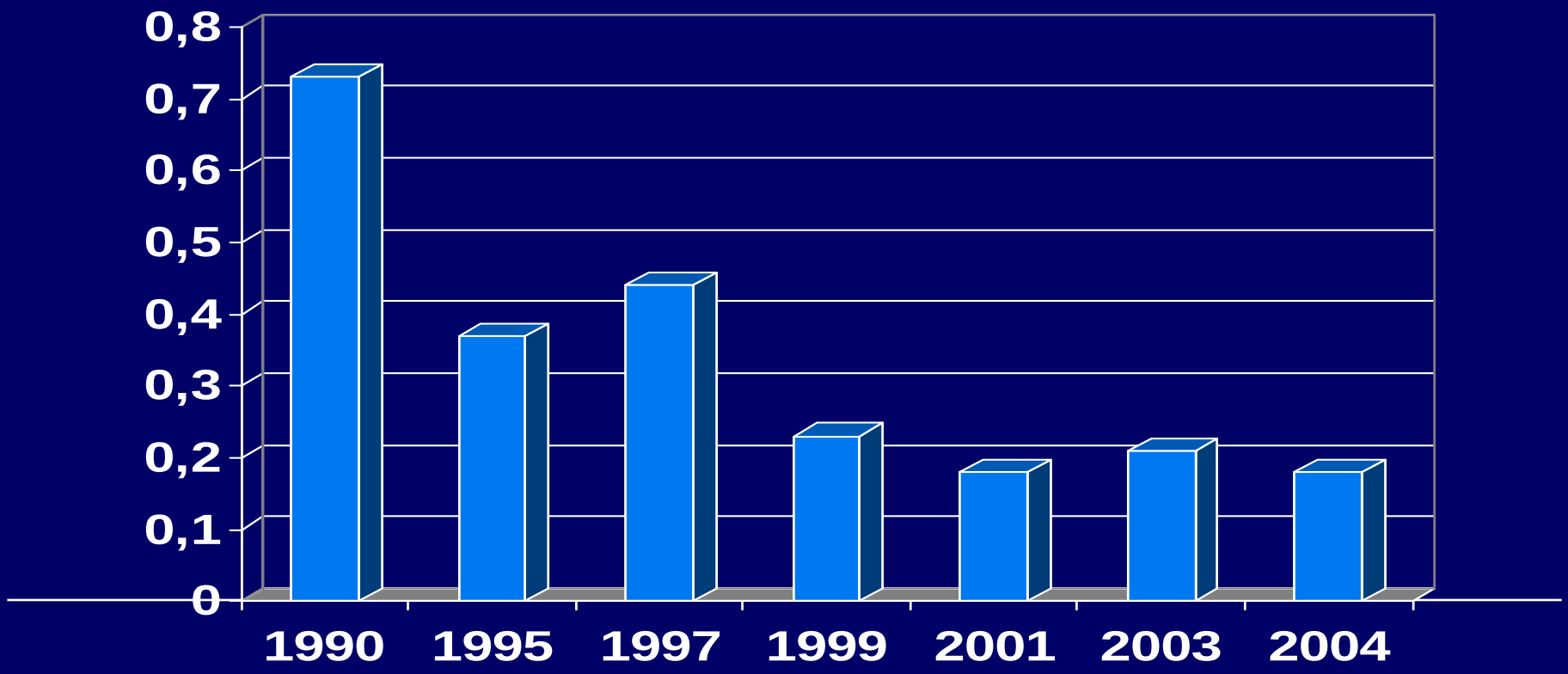
Strengthening of International Scientific Cooperation for Gradual Integration in European Research Area: Achievements and Perspectives of Republic of Moldova

Acad. Gheorghe DUCA

30 March 2007

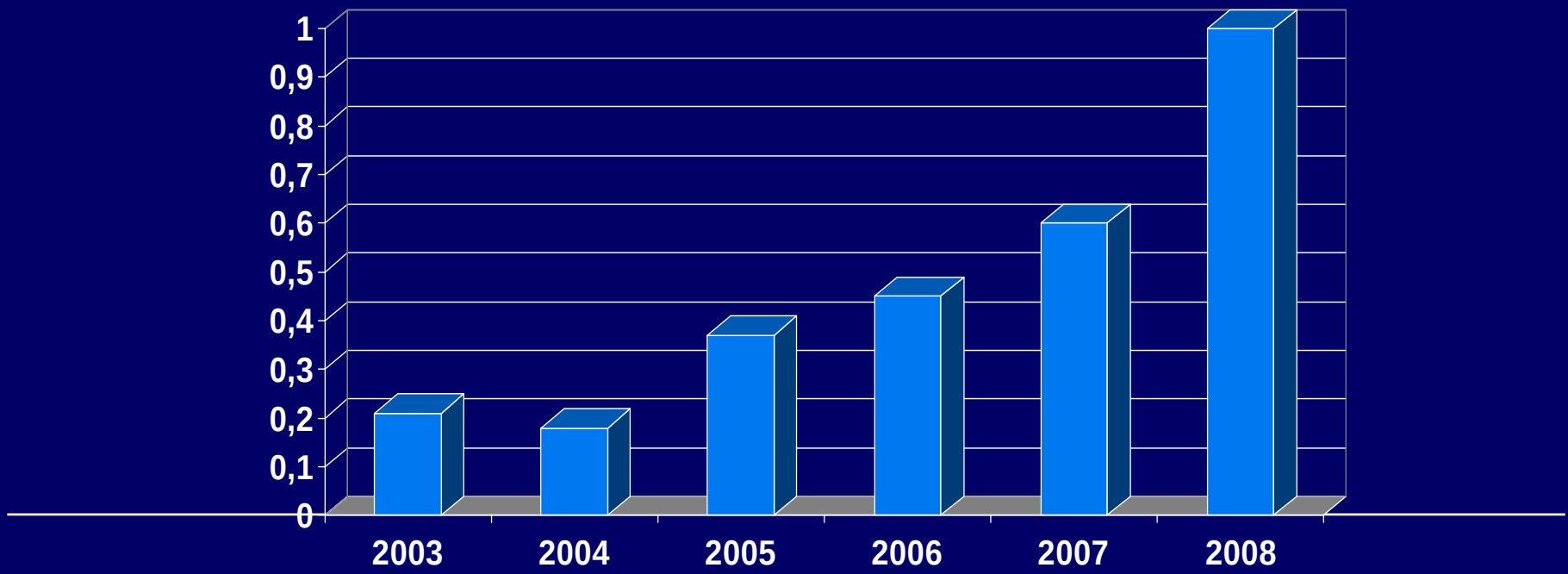
Science financing of Moldova in 1990-2004 (% of GDP)



Law on Science and Innovation of the Republic of Moldova

approved by Parliament on 15.07.2004

PROVIDES FOR ANNUAL GROWTH OF SCIENCE FINANCING (% of GDP)



RESEARCHES FUNDING

- Beginning with 2004, after the **Law on Science and Innovation** was approved, all researches are funded on the base of competition:
  - *Institutional Researches;*
  - *Projects within State Programmes;*
  - *Technological Transfer Projects;*
  - *Grants for equipment purchasing;*
  - *Grants for young scientists.*

INTERNATIONAL COLLABORATION
Agreements with Academies of Sciences

- Academy of Sciences of Poland
- Academy of Sciences of Hungary
- Bulgarian Academy of Sciences
- National Academy of Sciences of Belarus
- Academy of Sciences of Russia
- Romanian Academy
- National Academy of Sciences of Ukraine
- Academy of Sciences and Arts of Montenegro
- Academy of Agricultural and Forestry Sciences of Romania
- Academy of Agricultural Sciences of Ukraine

COLLABORATION WITH INTERNATIONAL ORGANIZATIONS

- Moldovan Research and Development Association (MRDA)
- Civilian Research and Development Foundation (CRDF)
- INTAS
- Science and Technology Center in Ukraine (STCU)
- Russian Foundation for Basic Researches (RFBR)
- Russian Scientific Humanitarian Foundation (RSHF)
- NATO – Scientific Committee
- International Atomic Energy Agency (IAEA)
- International Center for Black Sea Studies (ICBSS)
- Center for European Constitutional Law (CECL)

COOPERATION WITH MRDA / CRDF

Closed programmes (2000-2006)

- CGP
- BGP 1, 2, 3
- LTTGP & MTFP 1,2,3
- ISCS 1, 2
- CERIM & NGP
- ETGP&PRDS
- STEP/BPP
- MERL

Open programmes (MRDA / CRDF)

- ETGP
- PRDS
- MERL
- YSSP
- GAP
- PDE

COOPERATION WITH MRDA/CRDF

PRDS PROGRAMME RESEARCH PRIORITIES

- Medicine and pharmaceutics
- Ecological chemistry
- Environmental risk assessment
- Ecological agriculture
- Nanotechnology, materials science, and new production technologies
- Renewable energy

MERL PROGRAMME RESEARCH PRIORITIES

- Electronic engineering
- Biophysics and biochemistry
- Agriculture and food security
- Biomedicine

COOPERATION WITH MRDA/CRDF

BUDGET – 2000-2006

CRDF – 54 projects
2 485 500 $USD

MRDA – 136 projects
3 723 200 $USD

6 208 700 $USD

COOPERATION WITH MRDA/CRDF

ASM / MRDA announced JOINT CALLS for 2008

GRANTS FOR EQUIPMENT PURCHASING

4 project – 400 000 $USD (100 000 $USD / per project)

45% MRDA / 45% ASM / 10% applied institution

GRANTS FOR YOUNG SCIENTISTS

8 project – 60 000 $USD (7 500 $USD / per project)

2/3 – MRDA / 1/3 – ASM

COOPERATION WITH MRDA/CRDF

SCIENTIFIC INFRASTRUCTURE DEVELOPMENT SUPPORT

National Center for Materials Study and Testing in Mechanics, TUM
Support from MRDA/CRDF – 400 000 $USD

Center of Advanced Biological Technologies, IGPP, ASM
Support from MRDA/CRDF – 400 000 $USD

Center for Education and Research in Moldova, MSU
Support from MRDA/CRDF – 300 000 $USD

Regional Center for Research and Development of Electronic Instruments for Civil Use based on New Materials and Technologies, ELIRI
Support from MRDA/CRDF – 400 000 $USD

Central Library and Center for Information Resources and Networks, ASM
Support from MRDA/CRDF – 200 000 $MRDA

COOPERATION WITH INTAS

UNDER CONVENTION OF COOPERATION BETWEEN INTAS AND ASM IN 2006-2007

Joint Call for Research Projects

55 projects

Joint Call Young Scientific Fellowships

13 projects

COOPERATION WITH INTAS

RESEARCH AREAS
OF THE INTAS-MOLDOVA COLLABORATIVE CALLS:

- Efficient use of natural resources
- Biomedicine for human health
- Energetic security
- Nanotechnologies, new materials
- Information technology
- Molecular biotechnology and creation of plants varieties and hybrids
- Citizens and governance in a knowledge based society

COOPERATION WITH INTAS

BUDGET OF JOINT CALLS – 2006-2007



COOPERATION WITH STCU

PROJECTS, accepted by STCU in 2006

Development of random lasers based on porous semiconductor compounds for photonic applications – 94 362 Euro

Informational tools for assistance of sonographic examinations – 172 997 Euro

COOPERATION WITH STCU

ASM / STCU JOINT PROJECTS for 2008

RESEARCH PROJECTS

BUDGET – 300 000 $USD

50% STCU / 50% ASM

COOPERATION WITH RFBR & RSHF

ASM / RFBR JOINT PROJECTS IN 2006-2007 – 44 projects

BUDGET – ~ 1 mln $USD

70% RFBR / 30% ASM

ASM / RSHF JOINT PROJECTS IN 2006-2007 - 5 projects

BUDGET – 100 000 $USD

70% RSHF / 30% ASM

RESEARCH PROJECTS SUPPORTED BY OTHER INTERNATIONAL ORGANIZATIONS

- National Foundation for Science from Switzerland – 11 projects
- World Federation of Researchers from Switzerland – 15 scholarships
- NATO – 8 projects
- IAEA – 7 projects
- Marie Curie – 4 projects
- PC6 – 65 projects presented , 17 projects – approved for financing

INTERNATIONAL PROJECT CENTER

Its creation was stipulated in the Law of Science and Innovation

THE MAIN GOAL OF THE INTERNATIONAL PROJECT CENTER

- **coordination,**
- **promotion**
- **implementation**

of the mechanisms for integrating he scientific community from the Republic of Moldova in the international research and innovation area

THANK YOU
FOR YOUR ATTENTION!