PARTICIPATING IN THE TURKISH RESEARCH AREA FROM ABROAD

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OUTLINE

- History of S&T System in TURKEY
- Background and recent statistics for TRA
- CURRENT tools for cooperation

Evolution of the Turkish S&T System

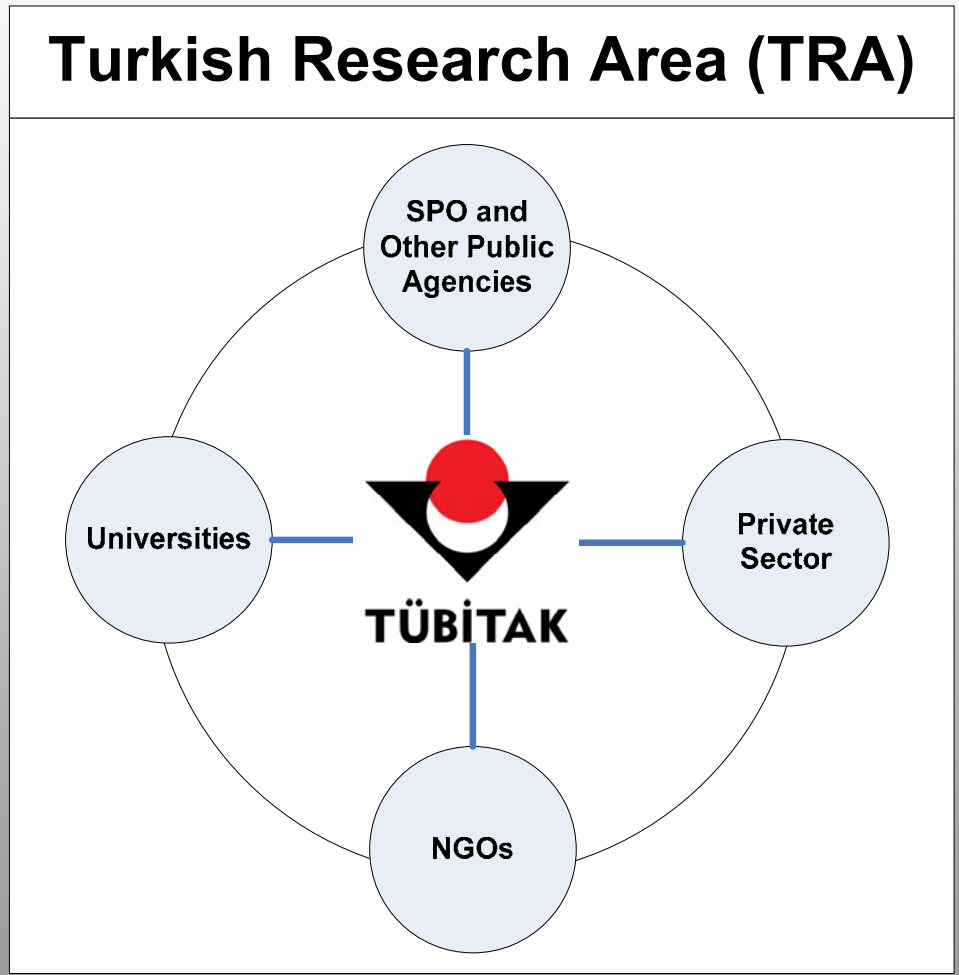
Stage	Milestones
1st Stage (1963-1982)	▫ 1963: Establishment of TUBITAK ▫ 1972: Establishment of Marmara Research Center ▫ 1973: 3rd Five-year Development Plan mentioning the first time the term “technology policy”
2nd Stage (1983-1992)	▫ 1983: First national science policy document ▫ 1983: SCTC (the Supreme Council of Science and Technology) was established ▫ 1990: First National Steering Meeting on Science and Technology with participation of the President and Prime Minister.

Evolution of the Turkish S&T System

Stage	Milestones
3rd Stage (1994-2004)	▫ 1993: A revised version of 1983's Science Policy document was published ▫ 1995: TUBITAK launched the industrial R&D support programme ▫ 2002: Turkish foresight study has been started. ▫ 2003: Full participation to EU's 6th Framework Research Programme
4th Stage (2004-...)	▫ 2004: Establishment of Turkish Research Area ▫ 2004: Re-starting the regular meetings of SCTC ▫ 2004: Setting up S&T targets for 2010 in line with Vision 2023-National Foresight Strategy and EU's Lisbon Strategy ▫ 2005: Reconstructing the R&D Funding System

National Science-Technology-Innovation Initiative (2004)

- Aims
- Objectives
- Principles
- Priorities



- Solving problems
- Increasing quality of life
- Enhancing welfare
- Improving competitiveness

TRA was adopted at the 10th meeting of the SCST, 8 September 2004

7 specific TRA objectives

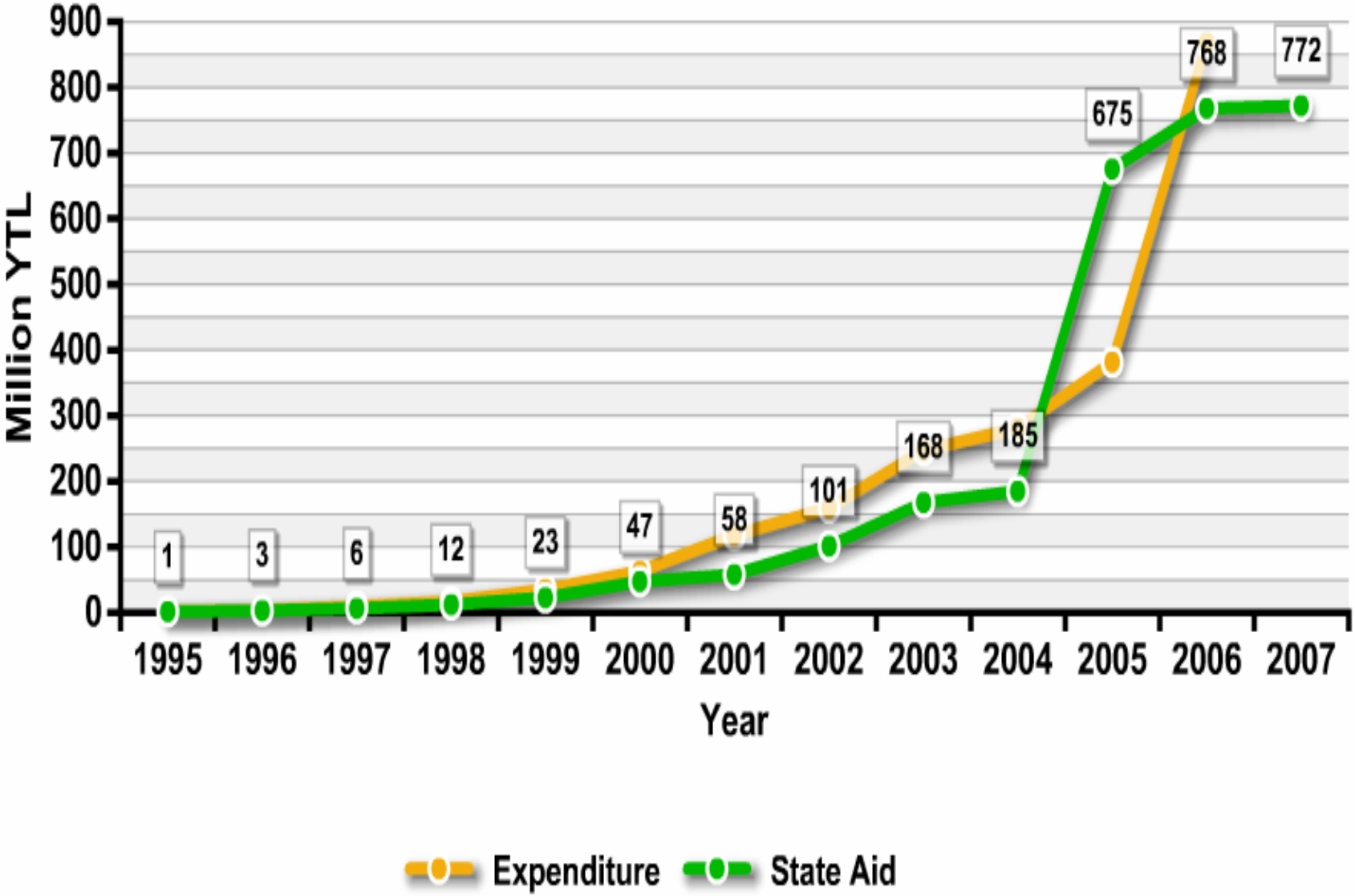
- Enhancing national awareness of science and technology
- Making national science and technology management more effective
- Increasing the number and quality of scientists/researchers
- Supporting outcome-oriented and qualified research
- Strengthening the R&D in private sector
- Improving research, environment and infrastructure
- Enhancing national and international linkage

Avaliable Funding Mechanisms

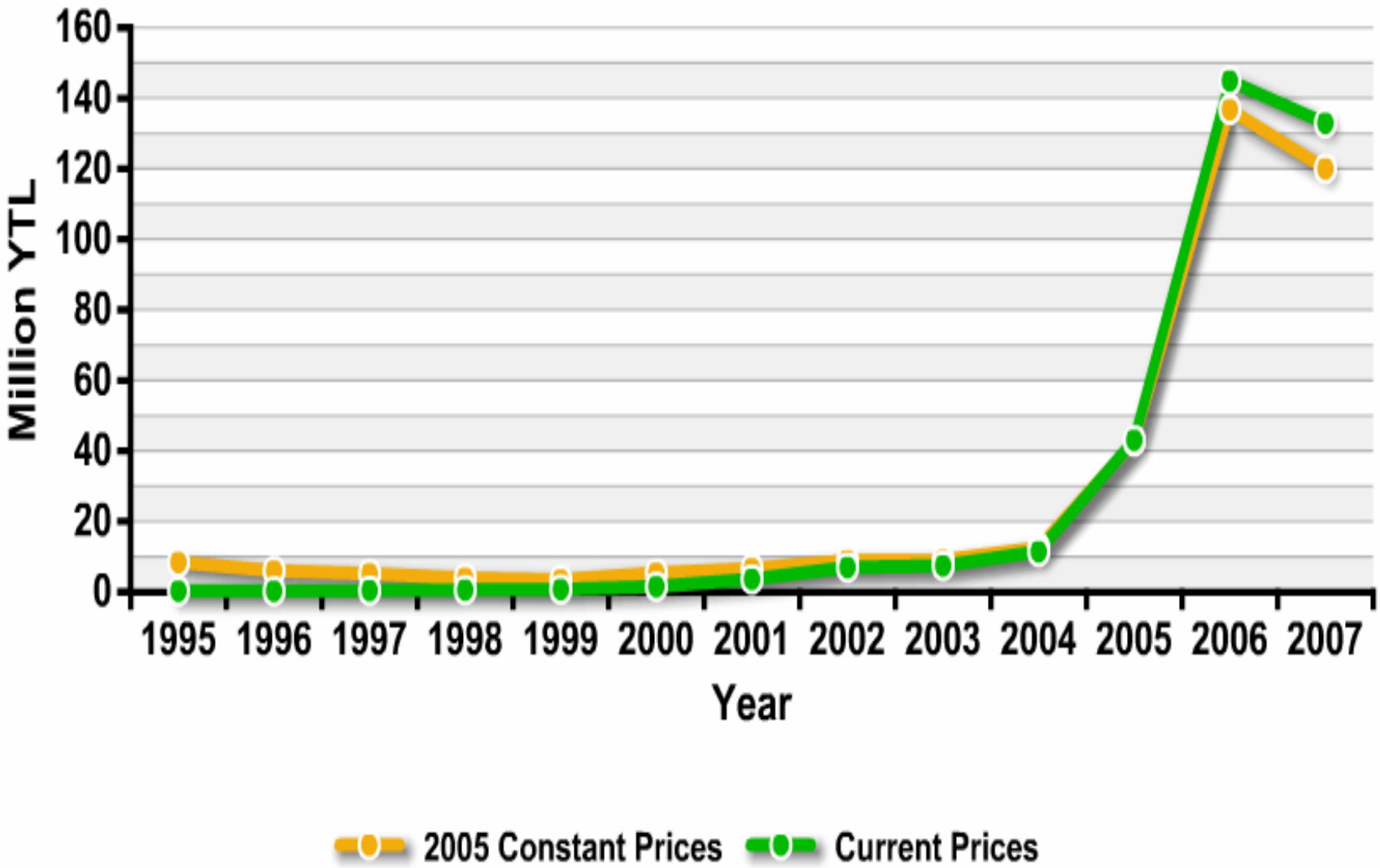
- Academic R&D support
- Industrial R&D support
- Public R&D support
- Scientist Research Training Support
- Bilateral/Multilateral Agreements

Direct Public Funds

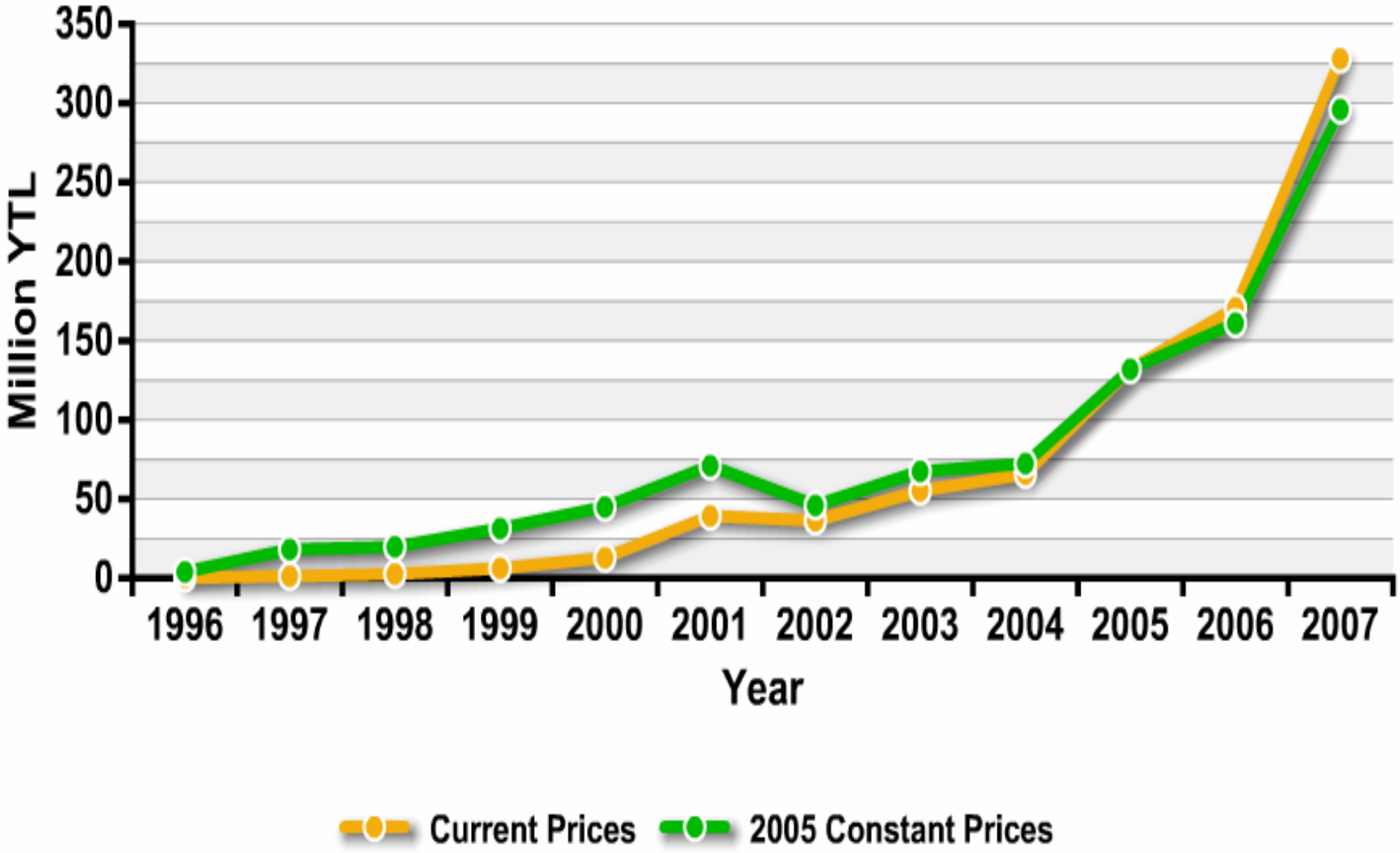
TUBITAK Grants



TUBITAK Academic R&D Grants

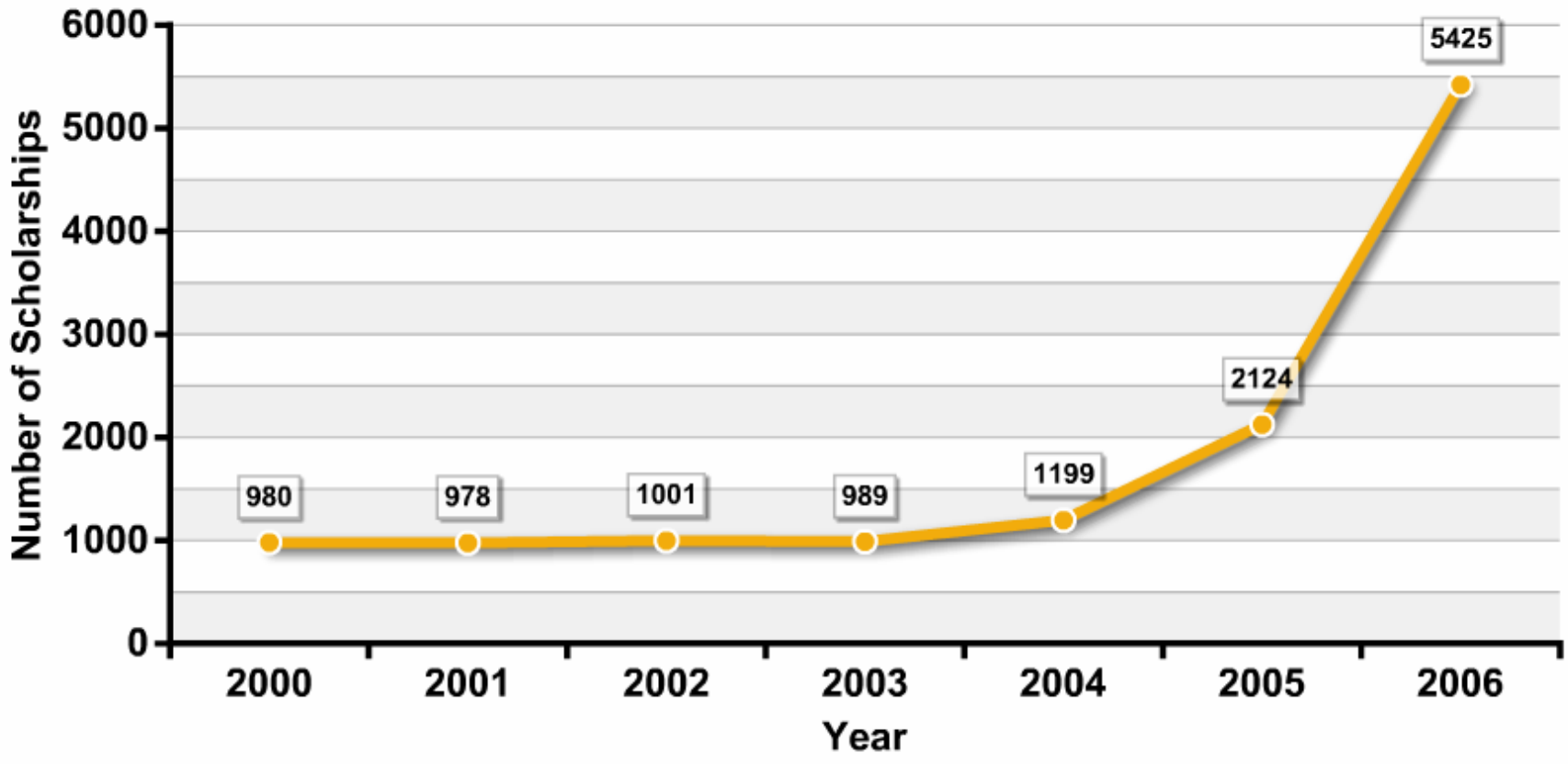


Industrial R&D Support



Support for Research Training

- Programs for Secondary & High School Students
- Programs for Graduate Students
- Programs for Postdoctoral Work & for Visiting Scientists
- Scientific Exchange Programmes
- Scientific Awards



International Cooperation

- Bilateral cooperation,
  - 220 Agreements with 80 Countries
- Cooperation with Regional and International Institutions,
  - Membership to 43 International Institutions
- Cooperation with the European Union (FP7, COST, EUREKA etc)

7 specific TRA objectives

- Enhancing national awareness of science and technology
- Supporting outcome-oriented and qualified research
- Making national science and technology management more effective
- Strengthening the R&D in private sector
- Improving research, environment and infrastructure
- **Increasing the number and quality of scientists/researchers**
- **Enhancing national and international linkage**

Reaching out to the scientific diaspora

- not much has been done as yet.
- a difficult issue.

But

- a strong determination is available.
- there is a committment to establish a strategy.

Integration of the Expatriate Scientists to TRA

First exemplary effort:

- Two TASSA-TÜBİTAK workshops have been organized in 2006.
- This collaborative effort has been a good starting point for integration.
- There is a learning process and it must ensue.

Current Opportunities for Integration

- 1001 Academic R&D Program
- 1007 Public R&D Program
- Universal Researcher Program
- International Agreements
  - EU 7th Framework Program
  - EMBO Installation Grants

Academic & Public Research

- 1001 Academic R&D Program

Curiosity based research for academic research training

Max budget ~400 000 YTL (36 months)

- 1007 Public R&D Program

Outcome oriented research for public benefit

No strict budget limitation ~ (48 months)

The Universal Researcher Program

An attactive instrument for expatriate researchers to visit home and establish collaboration

Proposals must offer a critical knowledge transfer and/or a research training in an area in which the country is inferior in competency

The Universal Researcher Program

- Development and submission of a proposal by a national research institution
  - in collaboration with Researcher(s) abroad
- Residence of expatriate researchers at the national research institution

The Universal Researcher Program

- Allows a researcher abroad to take part in a research at home with a critical mission of knowledge transfer and/or research training
- Offers a compensation to the researcher proportionate with his/her income abroad
- Support for national student visits to foreign lab
- A cautious start for those who intend to strengten their ties with home
- Missionary satisfaction to share and deliver scientific experience

NATIONAL BENEFIT

- Upgrades the quality of the research level and enhances the research training at home

- Help integrate the researchers to the TRA

International Agreement : EU 7th Framework Program

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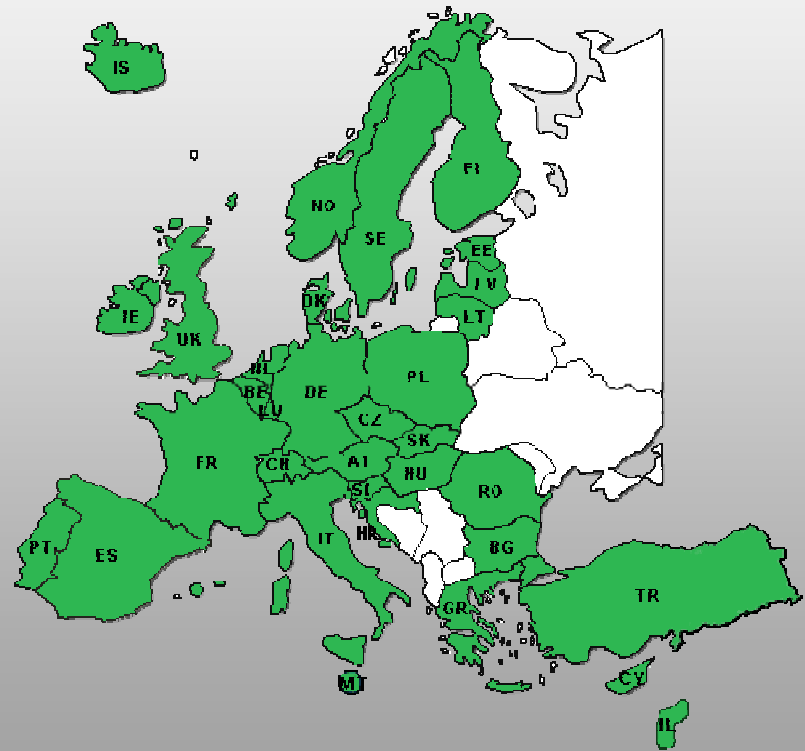
Reintegration by “People”



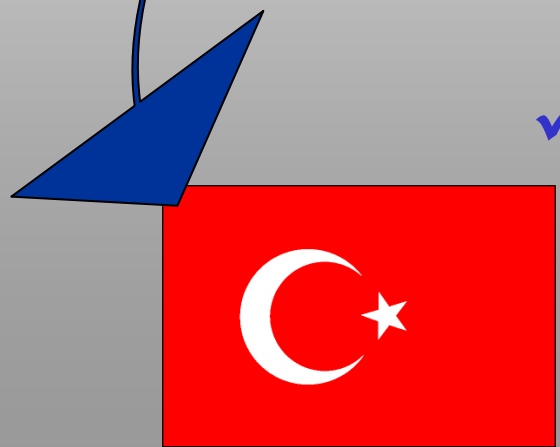
Research by “Ideas”

EU Framework Program: International Reintegration Grants

FP7-PEOPLE-2007-4-3-IRG
Continuous call, first deadline: 25th April, 07

- For TR researchers who have studied in USA at least 3 years

- TR reseachers in USA have the chance to reintegrate to TR with a research project funded by EC



- All domains of research
- 24 – 48 months

ERC Starting Grant
"*For Young Researchers*"

There are two streams of activity:

1) ERC Starting Independent Researcher Grant scheme (ERC Starting Grant)

- **Budget**

€100,000 - €400,000 grant per project per year

- **Eligibility**

– *Principal Investigator*
  - 2 to 9 years after completion of PhD

** Calls for both streams will annually be announced annually*

TÜBİTAK

2) ERC Advanced Investigator Researcher Grant scheme (ERC Advanced Grant)

- **Budget**
  - **€100,000 - €500,000** grant per project per year

European Molecular Biology Organization
IG Grants

- 50,000 Euros/ year for 5 years
- %20 for salary
- Offered by national funds
- Review and Evaluation by EMBO
- 15 Applications in 2006
- 2 Applications awarded (to Bogazici and Sabanci)

Thank you...