“Promoting Excellence at National Level”

ERC 2009 TURKEY CONFERENCE

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“Excellence”

sounds good as a word, but in research landscape specifying “Excellence” is not very easy.

It may vary from case to case.

“Promoting the Quality”

is more descriptive, since it lets us to have a relative outlook with the past and current situation.
According to The New Lisbon Strategy:

In terms of economic growth, **R&D** is one of the “two most effective targets” along with **employment**.
Europe’s Knowledge Triangle

Research
(HEI, Industry, Public Research Organizations)

Education
(HEI)

Europe’s Knowledge Triangle

Innovation
(Industry, HEI, Public Research Organizations)
Science and Technology Strategy

Goal 1:
Increasing the share of R&D expenditures in GDP to reach 2%

Goal 2:
Increasing the quantity and the quality of HRST to reach the target of 150,000 FTE R&D Personnel by 2013

R&D indicators and statistics about Turkey have already been explained by TUBITAK President Prof. Nuket Yetis. In this presentation the role of TUBITAK’s funds in attaining these goals will be explained.
Established: 1963

Main Functions

• Determining the ST and Innovation policy of Turkey

• Doing Research
  – Institutes (MAM, GEBI, SAGE, UME, UEKAE, .....)

• Providing Grants, Fellowships and R&D Fundings
  – Academic R&D Supports (Research)
    • ACADEMIC RESEARCH FUNDING PROGRAMMES DIRECTORATE
  – Human Resources Funding: Grants and Fellowships (Education)
    • DEPT. OF SCIENCE FELLOWSHIPS AND GRANT PROGRAMMES
  – Tech. And Inov. Funding: Industrial R&D Supports (Innovation)
    • TECHN. AND INNOVATION FUNDING PROGRAMMES DIRECTORATE
Academic Research Funding

- 8 different funding programs are running
- These programs are in general aimed at promoting *capacity building* of research infrastructure through skill enhancement, or general upgrading of research performance ability.
- The current funding policy is mainly encouraging bottom up research incentive.
Proposed and Supported Projects

PROPOSED AND SUPPORTED PROJECTS BETWEEN 2000-2008

*Public projects excluded.
Ongoing Projects

*Public projects excluded.
## Academic Research Funding

<table>
<thead>
<tr>
<th></th>
<th>2002</th>
<th>2008</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Projects Proposals</td>
<td>1.198</td>
<td>4.944</td>
<td>4 times</td>
</tr>
<tr>
<td>Number of Supported Projects</td>
<td>548</td>
<td>1.188</td>
<td>2 times</td>
</tr>
<tr>
<td>Total Support Budget (MTL)*</td>
<td>13.4</td>
<td>327.5</td>
<td>24 times</td>
</tr>
<tr>
<td>Support per Project (x1000TL)*</td>
<td>24</td>
<td>276</td>
<td>12 times</td>
</tr>
</tbody>
</table>

*2008 constant prices
26 different grants and fellowship programs are running that cover a wide range of supports for all scientists from primary school students to senior (post-doctoral) scholars.
The number includes in the numbers of scientists started to be supported in the relevant year, and other scientists continued to be supported from the previous years.
Support for PhD Students

Source: The Council of Higher Education of the Republic of Turkey
## Human Resources Funding

<table>
<thead>
<tr>
<th></th>
<th>2003</th>
<th>2008</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Applications</td>
<td>18.315</td>
<td>34.072</td>
<td>2 times</td>
</tr>
<tr>
<td>No. of Scientists Supported each year</td>
<td>989</td>
<td>10.505</td>
<td>11 times</td>
</tr>
<tr>
<td>Total Support* (No. of Scientists)</td>
<td>1.527</td>
<td>15.882</td>
<td>10 times</td>
</tr>
<tr>
<td>Realized Expenditure (MTL)**</td>
<td>3.9</td>
<td>62.9</td>
<td>20 times</td>
</tr>
</tbody>
</table>

* The number includes the numbers of scientist started to be supported in the relevant year, and other scientists continued to be supported from the previous years.

** 2008 constant prices
Five different funding programs are running that aim at promoting technology and innovation through supporting projects proposed by industrial companies.
## Technology and Innovation Funding

<table>
<thead>
<tr>
<th></th>
<th>2002</th>
<th>2008</th>
<th>Relative size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Project Proposals</td>
<td>374</td>
<td>2.285</td>
<td>6 times</td>
</tr>
<tr>
<td>Number of Projects Decided to</td>
<td>286</td>
<td>1.199</td>
<td>4 times</td>
</tr>
<tr>
<td>be Supported</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Companies</td>
<td>269</td>
<td>1.679</td>
<td>6 times</td>
</tr>
<tr>
<td>Total Grant Support Budget</td>
<td>46.1</td>
<td>239</td>
<td>5 times</td>
</tr>
<tr>
<td>(MTL)*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Supported Projects</td>
<td>371</td>
<td>1.098</td>
<td>3 times</td>
</tr>
<tr>
<td>Grant Support Budget per</td>
<td>0.12</td>
<td>0.22</td>
<td>~2 times</td>
</tr>
<tr>
<td>Project (MTL)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*2008 constant prices
For the first time in 2007, the share of industry has passed the share of government.

Source: Turkstat
Grants for Patent Applications

In 2006 TUBITAK started a new program that provides funding to cover the patent applications.
From 2002 to 2007 the number of domestic patent filings and grants increased to 4.4 folds.

Source: Turkish Patent Institute
From 2002 to 2007 the number of PCT applications increased to 4.2 folds.

Source: Turkish Patent Institute and WIPO
Thank you....

www.tubitak.gov.tr