



## **SCREENING CHAPTER 25 SCIENCE AND RESEARCH**

### **AGENDA ITEM 3:**

## **INTERNATIONAL SCIENTIFIC AND TECHNOLOGICAL COOPERATION**

**Country Session: The Republic of TURKEY  
14 November 2005**



## International Cooperation Agreements of Turkey and of the EU on S&T with third countries and overlapping governmental and institutional agreements of Turkey

TUBITAK is given the responsibility of representing Turkey in international scientific and technological events. The international cooperation dimension therefore gains importance in its entire activities.

Within the framework of the agreements:

- Some joint research projects are funded and monitored,
- Activities such as scientific meetings,
- Exchange of experts,
- Scientific visits etc. are financially supported.



The purposes of the agreements are as follows,

- To encourage and support co-operation in the fields of science and technology between their affiliated research entities according to the provisions of the agreements and current legislation of each country. Expected results from these agreements vary according to the scientific and technological development level of the counterpart country
- To strengthen and develop scientific and technological cooperation by joint research projects, joint meetings, exchange of scientists, scientific and technological information and documentation
- To provide basis for funding



According to its founding law, TUBITAK has the following functions:

- To assist the Government in the preparation and negotiation of scientific and technological aid and cooperation agreements to which Turkey is party and to take part in the implementation and follow-up of these agreements
- To take part in all forms of scientific and technical cooperation with domestic and foreign institutions and researchers within the scope of its activity
- To become a member of these institutions, if necessary
- To take part in international agreements on behalf of Turkey
- To support, organize and participate in scientific meetings such as national and international congresses, seminars and colloquia on subjects within the field of its activity.



## Agreements/Protocols and Memberships of S&T related institutions of Turkey

- TUBITAK,
- TAEA (Turkish Atomic Energy Authority)
- Ministry of Agriculture and Rural Affairs
- Ministry of Industry and Trade



## **I. Bilateral Co-operations**

## **II. Co-operation with Regional and International Organisations**

## **III. Co-operation with the European Community**



## I. Bilateral Co-operations

There are around 220 scientific and technological bilateral cooperation agreements with 80 countries at inter-governmental and inter-institutional level. 15 of those are directly related to the supporting of joint projects.

- NSF - USA
- Academy of Sciences - Belarus
- Academy of Sciences - Bulgaria
- DFG and Jülich Research Centre - Germany
- CNRS and Ministry of Foreign Affairs - France
- CSIR - India
- CNR - Italy
- NKTH - Hungary
- Ministry of Education and Science - Macedonia
- Ministry of Science and Technology - Pakistan
- Academy of Sciences - Slovakia
- Ministry of Higher Education, Science and Technology - Slovenia
- Ministry of Higher Education, Science and Technology - Tunisia
- Academy of Sciences and Ministry of Education and Science - Ukraine
- GSRT - Greece



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	<b>Number of Countries</b>	<b>No. of countries with which Turkey has bilateral S&amp;T agreements</b>	<b>No. of countries with which Turkey has project-based S&amp;T bilateral agreements</b>
<b>EU Members</b>	25	21	7
<b>EU Candidates</b>	3	3	1
<b>European Countries-Non EU</b>	6	4	1
<b>Other Countries</b>	57	52	6
<b>TOTAL</b>		80	15





## II. Cooperation with Regional and International Organisations

- Turkey participates actively in various European research schemes such as COST, EUREKA, ESA, ESF and EMBC.
- Regional organisations such as BSEC (Black Sea Economic Cooperation) and ECO (Economic Cooperation Organisation), as well as international bodies such as NATO, OECD, UNESCO, ICSU, TWAS etc.
- Participation of Turkish scientists in the activities organised by those organisations is supported and monitored by TUBITAK.



### **III. Co-operation with the European Community**

- **Memorandum of Understanding Between The European Community and The Republic of Turkey on Turkey's Association with the Sixth Framework Programme of the European Community for Research, Technological Development and Demonstration Activities, Contributing to the Creation of The European Research Area and to Innovation (2002-2006)** 29 October 2002, Brussels. OJ: 9 January 2003, No: 24988. Law/Decision No: 2002/5096
- **Framework Agreement Between The European Community and the Republic of Turkey on the General Principles for the Participation of The Republic of Turkey in Community Programmes.** 26 February 2002, Brussels. OJ: 1 September 2002, No: 24863. Law/Decision No:2002/4615



**A LIST OF  
BILATERAL AND MULTILATERAL  
COOPERATION AGREEMENTS / PROTOCOLS  
SIGNED  
IN THE FIELDS OF SCIENCE AND TECHNOLOGY  
IS ANNEXED**



# INTERNATIONAL MEMBERSHIPS OF TUBITAK



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INSTITUTION	Year of Membership	Level of Membership
<b>NATO</b> North Atlantic Treaty Organization	<b>1952</b> Science Programme: 1958 Committee on the Challenges of Modern Society- CCMS: 1969	<b>Governmental</b>
<b>COST</b> European Cooperation in the Field of Scientific and Technical Research	<b>1971</b>	<b>Governmental</b>
<b>OECD</b> Global Science Forum	<b>1992</b>	<b>Governmental</b>
<b>EMBC</b> European Molecular Biology Conference	<b>1993</b>	<b>Governmental</b>
<b>ICGEB</b> International Center for Genetic Engineering and Biotechnology	<b>1987</b>	<b>Governmental</b>
<b>COMSTECH/INOC</b> Inter-Islamic Science and Technology Network on Oceanography	<b>1987</b>	<b>Governmental</b>



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INSTITUTION	Year of Membership	Level of Membership
<b>COMSTECH / INWRDAM</b> Inter-Islamic Network on Water Resources Development and Management	1987	Governmental
<b>ESF</b> European Science Foundation	1977	Institutional
<b>ICSU</b> International Council for Science	1968	Institutional
<b>ICSU/SCOR</b> Scientific Committee on Oceanic Research	1968	Institutional
<b>ICSU/COSPAR</b> Committee on Space Research	1996	Institutional
<b>ICSU/IUPAP</b> International Union of Pure and Applied Physics	1982	Institutional
<b>ICO</b> International Commission for Optics	1997	Membership of Turkish Committee on Optics is supported by TUBITAK.
<b>ICSU/URSI</b> International Union of Radio Science	1993	Institutional
<b>ICSU/IUPAC</b> International Union of Pure and Applied Chemistry	1993	Membership of Turkish Association of Chemistry is supported by TUBITAK.
<b>ICSU/IMU</b> International Mathematical Union	1993	Membership of Turkish Association of Mathematics is supported by TUBITAK.



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INSTITUTION	Year of Membership	Level of Membership
<b>ICSU/IAU</b> International Astronomical Union	1993	Institutional
<b>TAFTIE</b> The Association for Technology, Implementation in Europe	1995	Institutional
<b>WAITRO</b> World Association of Industrial and Technological Research Organizations	1971	Institutional
<b>NAM S&amp;T Industry Network</b> Center for Science & Technology of the Non-Alligned and Other Developing Countries	2002	Institutional
<b>EUREKA</b>	1985	Governmental
<b>INTAS</b> The international Association for the Promotion of Co-operation With Scientist from the New Independent States of the former Soviet Union	2002	
<b>IEA/CERT</b> (Committee on Energy Research and Technology)		
<b>TWAS</b> (The Academy of Sciences for the Developing World)		Institutional



# INTERNATIONAL MEMBERSHIPS OF TUBITAK'S INSTITUTIONS AND CENTERS





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INSTITUTION	MEMBERSHIP DATE	LEVEL OF MEMBERSHIP
<b>National Metrology Institute (UME)</b>		
CGPM (Conference Generale de Poids et Mesures) and BIPM/CIPM	1975	Governmental
EUROMET (European Collaboration in Measurement Standarts)	1998	Institutional
IMEKO (International Measurement Confederation)	1994	Institutional
EURACHEM (a Focus for Analytical Chemistry in Europe)	1998	Institutional



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<b>Information Technologies &amp; Electronics Research Institute (BİLTEN)</b>		
EUROPRACTICE	1998	Institutional
<b>National Academic Network &amp; Information Center (ULAKBİM)</b>		
TERENA(Trans-European Research and Education Networking Association)	1997	Institutional
GEANT(Multi-Gigabit European Academic Network)	GEANT 06/2003, GEANT2- 03/08/2004	Institutional
RIPE NCC (Reseaux IP Europeens Network Coordination Center)	01/12/1998, 21/09/2004 (re- signed)	Institutional
CEENet (Central and Eastern Networking Association)	04.08.2000	Institutional



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<b>Marmara Research Center (MAM) Energy Institute</b>		
Turkish National Committee of World Energy Council	1997	Institutional
<b>MAM Food Institute</b>		
IIR (International Institute of Refrigeration)	First membership: 1983, 15/04/2005	Institutional
AAFFO STI (Afro-Asian Federation of food Science Technology Institutions)	20.06.98	Institutional
CCFRA (Campden& Chorleywood Research Association)	01.04.05	Institutional
IARW/WFLO (International Association of Refrigerated Warehouse/World Food Logistics Organisation)	1999	Institutional
(EAFS)-SAFECONSORTIUM (European Association for food safety)	15.04.05	Institutional



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<b>DNA/Cell Bank and Gene Research Laboratory</b>		
ISBER (International Society for Biological and Environmental Respositories)	-	-
Consortium of Public Population Project in Genomics	2005	-



# **INTERNATIONAL S&T COOPERATION AGREEMENTS IN THE FIELD OF AGRICULTURE**



## Membership and S&T Cooperation Agreements with

- FAO (Food and Agriculture Organization) -1943
- CIHEAM-ICAMAS (International Centre for Advanced Mediterranean Agronomic Studies) -1962
- COI (International Olive Oil Council) -Spain and Turkey-1963
- CIMMYT (International Wheat and Maize Centre) -Mexico
- ICARDA (International Centre for Agricultural Research in the Dryland Areas) - Syria
- ICRISAT (International Centre for Agricultural Research in Semi-Drought Areas)
- CIAT (International Centre for Sub-tropical Agriculture)



- IRRI (International Rice Research Institute – Manila)
- CIP (International Potato Centre) - Peru
- Approving to be a party in “Cartegena Protocol on Biosafety to the Convention on Biological Diversity”-2003 (Passed from The National Parliament on 17 June 2003; Law Nr:4898)
- IPGRI (International Plant Genetic Resources Institute)
- Memorandum of Understanding for S&T Cooperation in the field of agriculture between Turkey and Bulgaria -2004
- CGIAR (Consultative Group for International Agricultural Research) Membership Agreement -2004
- UPOV (International Union for the Protection of New Plant Varieties) -2005



## MULTILATERAL AGREEMENTS ON ATOMIC AND NUCLEAR ENERGY

	NAME OF THE AGREEMENT	SIGNING DATE	RATIFICATION DATE	OFFICIAL GAZETTE DATE AND NUMBER
1	<b>Treaty on the Non-proliferation of Nuclear Weapons</b>	28.01.1969	24.09.1979	28.11.1979-16823
2	<b>Treaty Banning Nuclear Weapons Tests in the Atmosphere, in Outer Space and Under Water</b>	05.08.1963	02.04.1965	13.05.1965-11997
3	<b>Convention for the Protection of the Mediterranean Sea Against Pollution Arbitration</b>	16.02.1976	07.12.1980	12.06.1981-17368
4	<b>Protocol for the Protection of the Mediterranean Sea Against Pollution From Land-based Sources</b>	17.05.1980	18.02.1987	18.03.1987-19404
5	<b>Agreement Between the Government of the Republic of Turkey and the IAEA for the Application of Safeguards in Connection with NPT</b>	30.06.1981	20.08.1981	20.10.1981-17490
6	<b>Convention on Long-Range Transboundary Air Pollution</b>	13.11.1979	21.01.1983	23.03.1983-17996
7	<b>The International Convention on Railway Transportation</b>	21.03.1985	08.05.1985	01.06.1985-18771





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8	<b>Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency</b>	28.09.1986	08.06.1990	03.09.1990-20624
9	<b>Convention on Early Notification of a Nuclear Accident</b>	28.09.1986	08.06.1990	03.09.1990-20624
10	<b>Convention on the Protection of the Black Sea Against Pollution (Bucharest Convention)</b>	21.04.1992	07.12.1993	06.03.1994-21869
11	<b>The Antarctic Treaty</b>	1959	03.08.1995	18.09.1995-22408
12	<b>Convention on the Cooperation in the Atomic Energy Field Between the NATO Members and Its Amendment</b>	22.06.1955	01.09.1956	10.09.1956-9403
13	<b>International Labor Conference Convention Number 115 Concerning the Protection of Workers Against Ionising Radiations</b>	17.06.1962	07.03.1968	23.03.1968-12856
14	<b>Convention on Nuclear Safety</b>	24.09.1994	15.12.1994	14.01.1995-22171
15	<b>Comprehensive Nuclear Test Ban Treaty</b>	03.11.1999	30.11.1999	26.12.1999-23918
16	<b>Convention on The Physical Protection of Nuclear Material</b>	23.08.1983	24.06.1986	07.08.1986-19188
17	<b>Paris Convention (1960 Paris Convention on Third Party Liability in the Field of Nuclear Energy)</b>	29.07.1960	08.05.1961	13.05.1961-10806



## ADDITIONAL PROTOCOLS ON ATOMIC AND NUCLEAR ENERGY

18	<b>Protocol to Amend the Convention on Third Party Liability in the Field of Nuclear Energy of 29 July 1960</b>	28.01.1964	01.06.1967	13.06.1967-12620
19	<b>Protocol to Amend the Convention on Third Party Liability in the Field of Nuclear Energy of 29 July 1960, as Amended by the Additional Protocol of 28 January 1964</b>	16.11.1982	24.10.1984	02.11.1984-18563
20	<b>Protocol Additional to the Agreement Between the Government of the Republic of Turkey and the IAEA for the Application of Safeguards in Connection with NPT</b>	06.07.2000	07.06.2001	12.07.2001-24460

## MULTILATERAL AGREEMENTS (SIGNED, PENDING RATIFICATION)

1	<b>Paris Convention (3. Revision) (Protocol to Amend the Convention on Third Party Liability in the Field of Nuclear Energy of 29 July 1960, as Amended by the Additional Protocol of 28 January 1964 and by the Protocol of 16 November 1982)</b>	12.02.2004
2	<b>Joint Protocol Relating to the Application of the Vienna Convention and the Paris Convention</b>	21.09.1988

## BILATERAL AGREEMENTS (SIGNED, PENDING RATIFICATION)

1	<b>Agreement Between the Government of the Federal Republic of Germany and the Government of the Republic of Turkey for Cooperation in the Peaceful Uses of Nuclear Energy</b>	14.01.1998
2	<b>Memorandum of Understanding for Technical Cooperation and Exchange of Information in Nuclear Regulatory Matters Between the Turkish Atomic Energy Authority and The State Nuclear Regulatory Committee of Ukraine</b>	07.06.2005



## BILATERAL AGREEMENTS ON ATOMIC AND NUCLEAR ENERGY

	NAME OF THE AGREEMENT	SIGNING DATE	RATIFICATION DATE	OFFICIAL GAZETTE DATE AND NUMBER
1	<b>Agreement Between the Government of Canada and The Government of the Republic of Turkey for Co-operation in the Peaceful Uses of Nuclear Energy</b>	18.06.1985	12.02.1986	29.06.1986-19149
2	<b>Agreement Between the Government of the Republic of Turkey and the Government of the Argentine republic for Co-operation in the Peaceful Uses of Nuclear Energy</b>	03.05.1988	08.05.1991	08.02.1992-21136
3	<b>Agreement Between the Government of Korea and The Government of the Republic of Turkey for Co-operation in the Peaceful Uses of Nuclear Energy</b>	26.10.1998	18.03.1999	12.04.1999-23664
4	<b>Agreement Between the Government French Republic and The Government of the Republic of Turkey for Co-operation in the Peaceful Uses of Nuclear Energy</b>	21.09.1999	14.01.2004	20.01.2004-25352
5	<b>Agreement Between the The United States of America Concerning and The Government of the Republic of Turkey for Co-operation in the Peaceful Uses of Nuclear Energy</b>	26.07.2000	14.01.2004	20.01.2004-25352
6	<b>Agreement Between the Government of the Republic of Turkey and the Cabinet of Ministers of Ukraine on Early Notification of a Nuclear Accident and Exchange of Information on Nuclear Facilities</b>	23.11.2000	27.03.2001	02.05.2001-24390
7	<b>Agreement Between The Government of Turkey and the Republic of Bulgaria on Early Notification of a Nuclear Accident and Exchange of Information on Nuclear Facilities</b>	28.07.1997	01.09.1997	11.09.1997-23107



“Agreement For Cooperation in the Field of Industrial Research and Development between the Governments of Turkey and Israel” was signed on 1st May, 2005. It envisages cooperation in the field of Industrial R&D particularly in the following areas:

- Information Technologies
- Laser and Optical Technologies
- Mechatronics
- Food, Agriculture Products and Agricultural Genetics
- Advanced Materials Technologies
- Renewable Energy
- Nanotechnology
- Aerodynamics and Space Technologies
- Biotechnology
- Irrigation Technologies