

**S&T ITALIAN-EGYPTIAN MINUTES  
OF THE JOINT COMMITTEE MEETING  
HELD IN CAIRO  
ON 29<sup>th</sup> OF FEBRUARY 2004**

On the basis of Art. 10 of the Agreement on Scientific and Technological Co-operation between Italy and Egypt, which was signed in Cairo on April 29, 1975, a meeting of the Joint Committee was held in Cairo on 29<sup>th</sup> February 2004, within the framework of the Protocol of Scientific and Technological Co-operation between Italy and Egypt signed in Cairo on June 25, 2001, in order to review the present state of scientific and technological co-operation between the two Countries and future prospects.

The Egyptian delegation was led by H.E. Dr. Mofeed Shehab, Minister of Higher Education and Minister of State for Scientific Research.

The Italian delegation was led by H.E. Antonio Badini, Italian Ambassador in Egypt.

The members of the two delegations are given in Annex 1.

Considering the difficulty of implementing the Protocol signed in Cairo on June 25, 2001, the Parties have agreed to draw up the present document which shall substitute the above said Protocol.

The Joint Committee adopted the following agenda:

1. present state of scientific and technological co-operation
2. future co-operation for the years 2004-2006
3. planning of future meetings

**1. Present state of scientific and technological co-operation**

The two Parties have agreed to recognise the growing importance of science and technology for the economic, social and cultural development of the two countries. The two Parties, considering the good bilateral relationship, have stressed the need to develop and intensify the co-operation in the fields of science and technology, to which a further boost can be given within the framework of the Agreement.

The institutions in charge of the co-ordination are:

**for the Italian Party:** Ministry of Foreign Affairs, Directorate General for Cultural Promotion and Co-operation.

**for the Egyptian Party:** Ministry of State for the Scientific Research.

## **2. Future co-operation for the years 2004-2006**

For the years 2004-2006 the Parties have agreed to foster the following activities:

### **2.1 Executive Program of scientific and technological co-operation**

In December 2002 a joint call for proposals has been launched to collect bilateral research projects in the following priority areas:

- space and remote sensing technology;
- biotechnology;
- microelectronics;
- environment and energy;
- technology transfer and innovation;
- new materials and ecologically sustainable technologies;
- technological transfer to SMEs.

The two Parties, in deciding which projects should be given priority financial support, have agreed on the following criteria:

- a) conformity with the two countries' priorities in the field of scientific and technological development;
- b) potential innovation of technological capabilities.

Based on these criteria, n. 25 projects have been selected to be granted financial support for the exchange of the Italian and Egyptian researchers. The selected projects are listed in Annex 2.

The general and financial provisions for the implementation of the Executive Program are described in Annex 4.

### **2.2 Other activities**

The Italian Party may support, through financial contribution, significant bilateral research projects and initiatives in which both Italian and Egyptian researchers are involved. A preliminary list of such projects, approved by the Joint Committee, is given in Annex 3. Financial support will be granted upon evaluation of the applications to be submitted according to the procedures that will be set by the Italian Party.

### **3. Planning of future meetings**

The two Parties have agreed that the next session of the Joint Committee will be held at a date to be agreed upon through diplomatic channels.

The Parties agree that all the initiatives foreseen in this Protocol will be carried out within the limits of the respective yearly budgets.

Annexes 1,2,3,4 are an integral part of this document.

The present Protocol will remain valid until the signature of the following one, but no longer than two years after its expiration.

Done in Cairo on 29<sup>th</sup> of February 2004, in the English language, in two originals both being equally authentic.

**FOR THE ITALIAN  
PARTY**

**H.E. ANTONIO BADINI  
Italian Ambassador in Egypt**

**FOR THE EGYPTIAN  
PARTY**

**H.E. Dr. MOFEED SHEHAB  
Minister of Higher Education and  
Minister of State for Scientific Research**

## **ANNEX 1**

### **Members of the Italian delegation**

- H.E. ANTONIO BADINI, Italian Ambassador in Egypt
- Ing. GUIDO BENEVENTO, Head of Italian Developing Cooperation, Italian Embassy in Egypt
- Dott. MARCO RUSCONI, First Secretary, Italian Embassy in Egypt
- Ing. GIUSEPPE MARINO, Scientific Attache', Italian Embassy in Egypt

### **Members of the Egyptian delegation**

- H.E. Dr. MOFEED SHEHAB, Minister of Higher Education and Minister of State for Scientific Research
- Prof. Dr. FAWZI A. EL REFAIE, President of the Academy of Scientific Research and Technology
- Prof. Dr. HANI M. EL NAZER, President of the National Research Centre
- Prof. Dr. MOHAMED B. ZAGLOOL, President of the Central Metallurgical Research Development Institute
- Prof. Dr. MOHAMED S. ABDEL-SALAM, Head of Scientific Research Sector and Supervisor of the Minister's Office

## ANNEX 2

### List of the selected projects

	Code	Project title	Italian coordinator	Egyptian coordinator
<b>Biotechnology</b>				
1	Bio 1	Molecular Mechanism of Cancer Chemopreventive Agents Derived from Egyptian Plants	Dr. Roberto Fabiani University of Perugia, Dept. of Biochemical Science and Molecular Biotechnology	Dr. Amira M. Gamal Eldeen National Research Centre, Division of Genetic Engineering and Biotechnology Dokki, Cairo
2	Bio 4	Decontamination of microbiologically polluted water by sunlight-activated photosensitising agents with a low impact on environment	Prof. Giulio Jori University of Padova, Department of Biology	Dr. Kawser Kassab Cairo University, National Institute of Laser Enhanced Sciences (NILES)
3	Bio 7	Investigation of genetic diversity in Egypt camelidae population analyzing polymorphism at each of the three TRA/TRD, TRB and TRG loci involved in cell-mediated immunity	Dr. Salvatrice Ciccarese University of Bari, Dept. of Pathological Anatomy and Genetics	Dr. Mohamed Saber Hassanane National Research Centre, Cell Biology Department, Dokki , Cairo
4	Bio 8	Obtainment of transgenic rice plants resistant to fungal diseases and with reduced growth cycle	Prof. Rino Cella University of Pavia, Department of Genetics and Microbiology	Dr. Mahmoud M. Saker National Research Centre, Genetic Engineering & Biotechnology Division

5	Bio 10	Natural toxins, ionic channels and the process of myogenesis	Prof. Fabio Ruzzier University of Trieste, Dept. of Physiology and Pathology	Dr. Aida Ahmed Hussein Suez Canal University, Faculty of Science, Ismailia
6	Bio 11	Development of new biotechnology tests analyses for the identification of genetic markers of susceptibility to coronary artery disease	Prof. G.P. Rossi Policlinico Universitario, Dipartimento di Medicina Clinica e Sperimentale Padova	Prof. Aziz M. Madkour El Azhar University, Cardiology Cairo
<b>Environment and energy</b>				
7	Env 2	Advanced Processes for Removing non-Biodegradable Pollutants from Water and Wastewater	Dr. Antonio Lopez National Research Council, Water Research Institute Bari	Prof. Mohammed I. Badawy National Research Center, Water Pollution Dept. Dokki , Cairo
8	Env 5	International Cooperation for the Protection of Coastal Zones and Large River Basins of the Mediterranean Basin (CORIMED)	Prof. Nicola Pirrone National Research Council, Institute for Atmospheric Pollution Rende (CS)	Prof. Hassan El-Banna AWAD Alexandria University, Faculty of Science, Oceanography Dept.
9	Env 7	Fluidized bed technology promotion in the Egyptian contest	Prof. Michele Miccio University of Salerno, Dept. of Chemical and Food Engineering (DICA)	Prof Farouk OKASHA University of Mansoura, Faculty of Engineering, Mechanical Eng. Dept.
10	Env 10	Numerical simulation of fluidized bed reactors	Ing. Salvatore Freni Istituto di Tecnologie Avanzate per l'Energia Messina	Dr. Eng. Adel Mohamed Abdel Kader Mubarak City for Scientific Research and Technology Applications - Informatics Research Institute (IRI) Alexandria

11	Env 12	Analysis, Training and Establishing Laboratory Facilities for Persistent Organic Pollutant (POPs) – Determination at Suez Canal University, Ismailia, Egypt	Prof. Pietro Tundo University of Venice, INCA (Interuniversity Consortium “Chemistry for Environment”)	Prof. Mohamed Tawfic Ahmed Suez Canal University, Environmental Impact Assessment Unit – Faculty of Agriculture Ismailia
<b>New materials and ecologically sustainable technologies</b>				
12	NMat 1	Preparation and characterization of multi-function membranes	Prof. Raffaele Molinari University of Calabria, Dept. of Chemical and Materials Engineering Rende (CS)	Prof. Housni El-Saied National Research Centre, Cellulose and Paper Dept. Dokki , Cairo
13	NMat 2	Preparation and Properties of Nanocomposite SiON- and SiOC –Based Ceramic Materials	Prof. Paolo Colombo University of Bologna, Dept. of Applied Chemistry and Materials Science	Dr. Adel Aziz Fransis Central Metallurgical Research and Development Institute (CMRDI) Helwan
14	NMat 3	Stem borer, Leafhoppers and Planthoppers pests of rice in Egypt: possibilities of biological control by natural enemies	Prof. Massimo Olmi University of Tuscia, Dept. of Plant Protection Viterbo	Dr. Ahmed Samir Hendawy Rice Research and Training Center (RRTC) Biological Control Entomological Control Dept. Kafr el-Sheikh
15	NMat 4	Volume reduction of wastes and their inertization in useful glass, glass ceramics and ceramics	Prof.ssa Luisa Barbieri University of Modena and Reggio Emilia, Faculty of Engineering Dept. of Materials and Environment Engineering Modena	Prof. Esmat M.A. Hamzawy National Research Centre, Glass Research Dept. Dokki , Cairo
16	NMat 5	Innovative and ecosustainable materials and technologies for the conservation of paper of historical, artistic and archaeological value	Prof. Ezio Martuscelli National Research Council, CAMPEC (Consortium for Plastic Materials Application and Prevention of Corrosion) Naples	Dr. Amani Mohamed Kamel Ibrahim Karorra Cairo University, Faculty of Archaeology, Dept. of Conservation and Restoration Al Fayoum Branch

17	NMat 6	Chemical-physical methodologies to know the state of conservation and the mechanism of degradation of mural paintings	Dr. Pietro Alessandro Vigato National Research Council, Istituto di Chimica Inorganica e delle Superfici Padova	Prof. Mohamed Abdel Hadi Cairo University, Faculty of Archaeology, Conservation and Restoration Centre Cairo
18	NMat 7	Learning from tradition: Improving and implementing Sustainable Building Methods & Techniques oriented to Conservation of Indigenous Architecture	Prof. Delfina (Nuccia) Maritano Comoglio Politecnico di Torino, Faculty of Architecture Dept. "Casa-Città"	Prof. Mohamed Ayman Daef Assiut University, Faculty of Engineering, Dept. of Architectural Engineering
19	NMat 9	Recycling of post-consumer packaging plastics: melt processing, property characterization and upgrading	Dr. Mariano Pracella National Research Council, Istituto per i Materiali Compositi e Biomedici (IMBC) Pisa	Dr. El-Refaie Kenawi Institute of New Materials & Advanced, Technology Applications Mubarak City Alexandria
20	NMat 11	Characterization and identification of single active components in Sinai endemic plants-structure-action relationships	Prof. Armandodoriano Bianco INCA (Consorzio Interuniversitario Nazionale "La Chimica per l'Ambiente") Venezia	Prof. Ibrahim Ashour Suez Canal University, Ismailia
<b>Technology transfer and innovation</b>				
21	Tech 1	ELIT (E-Learning using an Intelligent automatic Tutor)	Prof. Angelo Tartaglia Politecnico di Torino, Faculty of Information Engineering, Physics Dept.	Abdel-Badeeh M. Salem Ain Shams University, Faculty of Computer & Information Sciences Cairo
22	Tech 2	Biochemical markers as tools to expedite Screening of Plant Resistance against Pathogens	Dr. Sergio Molinari National Research Council, Institute of Plant Protection Bari	Prof. Mahfuz M. Abd-Elgawad National Research Centre, Phytopathology Department Dokki, Cairo



23	Tech 3	Bioactive secondary metabolites in benthic invertebrates from Egyptian coasts	Dr. Guido Cimino National Research Council, Institute of Biomolecular Chemistry (ICB) Naples	Prof. Issa M. I. Fakhr National Research Centre, Appl. Org. Chem. Dept. Dokki, Cairo
24	Tech 6	Telemedicine Applications between Hospitals in Egypt and Italy	Dr. Francesco Sicurello National Research Council, Institute of Biomedical Technologies, Milan	Dr. Isaac Latif Henein Italian Hospital "Umberto I" Cairo
<b>Technological transfer to SMEs</b>				
25	SME 1	Enhancing Learning-oriented methodologies and techniques in SMEs to manage e-business ventures: a System Dynamics perspective	Prof. Carmine Bianchi University of Palermo, Faculty of Political Science	Prof. Atef Zaki Ghalwash Helwan University, Faculty of Computers and Information

### ANNEX 3

#### Significant bilateral research projects

	<b>Field</b>	<b>Project title</b>	<b>Italian coordinator</b>	<b>Egyptian coordinator</b>
1	Biotechnology	Bone Regeneration by Tissue Engineering Post-Maxillary Sinus Augmentation	Prof. Ranieri Cancedda Istituto Nazionale per la Ricerca sul Cancro Genova	Prof. M. Fata Alexandria University, Faculty of Dentistry
2	Technology transfer and innovation	Mediterranean School on Telemedicine and Medical Informatics	Dr. Francesco Sicurello @ITIM Associazione Italiana di Telemedicina e Informatica Medica Milano	Dr. Essam E. Ayad Cairo University, Faculty of Medicine

## ANNEX 4

General and financial provisions for the short and long term stays directly financed by the Parties

The projects that will be granted financial support for the mobility of researchers are exclusively those mentioned in Annex 2. Each project will be entitled to the financing of either one short term stay (ten days) or of one long term stay (thirty days) per year.

The financial support is granted only to researchers holding Italian or Egyptian nationality.

Travel expenses from the town of departure to the town of arrival shall be borne by the sending Party, while the hosting Party shall cover the expenses of research stays inside its own territory.

The receiving Party, on the basis of the rules in force in its own Country, shall provide the visiting researcher with accident and sickness insurance, except already existing and chronic diseases and dental prosthesis.

### **Stay of Egyptian researchers travelling to Italy**

The application for the research stays shall be submitted by the Egyptian researchers only through diplomatic channels and must be received by the Italian Party at least two months before the beginning of the stay .

The application shall include the following documents (in two copies) :

1. the application form signed by the Egyptian researcher, including the personal data of the applicant, the title of the research project , date and length of the visit (two originals plus two copies)
2. letter of invitation by the hosting institution
3. detailed work program
4. *curriculum vitae* of the researcher
5. a written statement by the Egyptian co-ordinator that the applicant is taking part in the project (only in the event that the applicant is not the co-ordinator himself)

In the application form the researcher shall undertake to observe the following:

- to respect the chosen period of the visit
- not to receive any remuneration from other international organisations or bodies
- not to change the work program and the research centre, and not to leave the Italian territory without prior authorisation
- to submit, within 30 days from the conclusion of the research, a final report on the activities carried out
- to inform the insurance company INA Assitalia (address: Lungotevere Flaminio 31, 00196 Roma) of any accident and/or disease, for insurance coverage.

Any cancellation by the researcher, unless due to serious and valid reasons, might prevent the hosting Party from accepting further proposals of missions.

The Italian Party shall grant the Egyptian researchers a monthly amount of 1300 Euros (one thousand and three hundred) for long term stays, and a daily amount of 104 Euros (one hundred and four) for short term stays.

These amounts shall be fully paid to the Egyptian researchers at their arrival in Italy at the Italian Ministry of Foreign Affairs if the hosting research centre is located in Rome, or at the office of the Bank of Italy nearest to the town where the hosting research centre is located.

### **Stay of the Italian researchers travelling to Egypt**

The application for the research stays shall be submitted by the Italian researchers only through diplomatic channels and must be received by the Egyptian Party at least two months before the beginning of the stay .

The application shall include the following documents (in two copies) :

1. the application form signed by the Italian researcher, including the personal data of the applicant, the title of the research project , date and length of the visit (two originals plus two copies)
2. letter of invitation by the hosting institution
3. detailed work program
4. *curriculum vitae* of the researcher
5. a written statement by the Italian co-ordinator that the applicant is taking part in the project (only in the event that the applicant is not the co-ordinator himself)

In the application form the researcher shall undertake to observe the following:

- to respect the chosen period of the visit
- not to receive any remuneration from other international organisations or bodies
- not to change the work program and the research centre, and not to leave the Egyptian territory without prior authorisation
- to submit, within 30 days from the conclusion the research, a final report on the activities carried out

Any cancellation by the researcher, unless due to serious and valid reasons, might prevent the hosting Party from accepting further proposals of missions.

The Egyptian Party shall grant the Italian researchers a monthly amount of L.E. 4.000 (four thousand) for long term stays, and a daily amount of L.E. 400 (four hundred) for short term stays.

These amounts shall be fully paid to the Italian researchers at their arrival in Egypt at the Central Bank of Egypt nearest to the town where the hosting research centre is located.

### **Travel of the Italian researchers to Egypt**

Italian researchers who are travelling to Egypt for a research stay are required to submit an official application to the following address: Ministry of Foreign Affairs, DGPC, Office V (Piazzale della Farnesina 1, 00194 Roma). The application must be received by the Italian Party at least two months before the foreseen date of departure. The Italian Party shall cover the costs of the air-ticket in economic class only.

The application shall include:

- name and address of the hosting institution
- foreseen date of departure, and return

- title of the research project
- *curriculum vitae* of the researcher
- a letter of invitation by the hosting institution
- a written statement of the Italian researcher in which he undertakes to observe the following:
  - to pay any due penalty, in the event he renounces to the mission;
  - to return the air-ticket and the boarding cards within 15 days from his arrival back to Italy;
  - to submit a relation on the activities carried out
- a written statement by the Italian co-ordinator that the applicant is taking part in the research project (only in the event that the proposed researcher is not the co-ordinator himself).

Details of the above mentioned rules are found on the website of the Italian Ministry of Foreign Affairs at the following address:

[www.esteri.it](http://www.esteri.it), under the heading *Politica estera, Grandi temi, Politica culturale, Attività, Cooperazione Scientifica e Tecnologica, Programmi Esecutivi Scientifici/Tecnologici in vigore, Mobilità dei ricercatori italiani*

### **Travel of the Egyptian researchers to Italy**

Egyptian researchers who are travelling to Italy for a research stay are required to submit an official application to the following address: Ministry of State for Scientific Research, 101, Kasr El-Aini St., Cairo. The application must be received by the Egyptian Party at least two months before the foreseen date of departure. The Egyptian Party shall cover the costs of the air-ticket in economic class only.

The application shall include:

- name and address of the hosting institution
- foreseen date of departure, and return
- title of the research project
- *curriculum vitae* of the researcher
- a letter of invitation by the hosting institution
- a written statement of the Egyptian researcher in which he undertakes to observe the following:
  - to pay any due penalty, in the event he renounces to the mission;
  - to return the air-ticket and the boarding cards within 15 days from his arrival back to Egypt;
  - to submit a relation on the activities carried out
- a written statement by the Egyptian co-ordinator that the applicant is taking part in the research project (only in the event that the proposed researcher is not the co-ordinator himself).