

**G8-UNESCO World Forum on 'Education, Research and Innovation:
New Partnership for Sustainable Development'
Stazione Marittima Congress Centre
Trieste, Italy, 10-12 May 2007**

Under the High Patronage of the President of the Republic of Italy

Programme

Thursday, 10 May

09:30-10:00 Opening Session

Chair

Professor Katepalli R. **SREENIVASAN**
Director
Abdus Salam International Centre for Theoretical Physics
TRIESTE

IN THE HONOURABLE PRESENCE OF

Mr. Koïchiro **MATSUURA**
Director-General, UNESCO
PARIS

Prime Minister Romano **PRODI**
President of the Council of Ministers
ITALY

10:00-10:20 Welcome Remarks

Hon. Mr. Giuseppe **FIORONI**
Minister of Education
ITALY

Hon. Riccardo **ILLY**
President
Autonomous Region of Friuli Venezia Giulia
ITALY

Dr. Hamadoun **TOURE'**
Secretary General
International Telecommunication Union (ITU)
GENEVA

Mr. Alain Giorgio Maria **ECONOMIDES**
Director General of Cooperation and Development
Ministry of Foreign Affairs
ITALY

Dr. Panitchpakdi **SUPACHAI**
Secretary General
UNCTAD
GENEVA

Dr. Lamyah Ahmad **AL-SAQQAF**
Permanent Representative of the State of Kuwait to FAO
Chairperson of the G77 Rome Chapter
ROME

10:20-10:45 Coffee Break

10:45-12:15 University, Research Institutions and Industry: What Partnership to Develop in Global Innovation Society?

What is the role of universities in developing innovation and entrepreneurship?

How to develop best practices on knowledge-based development and private-public partnership to facilitate global knowledge dissemination?

How to identify barriers among relevant sectors and ways to overcome them to promote combined investments in education, research and innovation?

Chair

Professor Hans N. **WEILER**
Professor Emeritus of Education and Political Science
Stanford University
USA

Keynote Speakers

Mr. Pasquale **PISTORIO**
Vice President for Innovation and Research
Confindustria
ITALY

Professor Pier Ugo **CALZOLARI**
Rector
University of Bologna
ITALY

Hon. Dr. Dmitry Viktorovich **LIVANOV**
Rector of State Technological University
Moscow State Institute of Steel and Alloys (MISIS)
RUSSIAN FEDERATION

Hon. Mr. Xinsheng **ZHANG**
Chairman, Executive Board, UNESCO
Vice Minister of Education
PEOPLE'S REPUBLIC OF CHINA

12:15-13:00 Discussion and Report of the Rapporteur

Rapporteur

Professor Carlo **RIZZUTO**
President
Elettra Laboratory, Sincrotrone Trieste
ITALY

13:00-14:30 Lunch

14:30-16:00 Education in the Knowledge-Based Society

How to innovate education systems up to the requirements of a global knowledge-based society?

*Identify the best models of education governance, teaching and management.
Identify (voluntary) guidelines for quality provisions in education across the world.*

The challenges of implementing the Education for All (EFA) agenda at the country level: the role of the Global Action Plan.

Chair

Professor Lynn **MEEK**
Director
Centre for Higher Education Management and Policy
University of New England
AUSTRALIA

Keynote Speakers

Professor Mark **BRAY**
Director
International Institute for Educational Planning
UNESCO
PARIS

Professor Stefano **FANTONI**
Director
International School for Advanced Studies (SISSA)
ITALY

Mr. Ludger **VIEHOFF**
Deputy Head, Basic Policy Issues of International and Multilateral Cooperation

Federal Ministry of Education and Research
GERMANY

Professor Furio **HONSELL**
Rector
University of Udine
ITALY

16:00-16:40 Discussion and Report of the Rapporteur

Rapporteur

Dr. Hebe **VESSURI**
Senior Researcher and Head of the Department of Science Studies
Venezuelan Institute of Scientific Research (IVIC)
VENEZUELA

16:40-17:00 Coffee Break

17:00-18:30 Environment: Global Challenges

How to develop an integrated approach for research, education and innovation to meet global environmental challenges, including impacts of climate change, air and water pollution, acid rain, rain forest destruction, hazardous waste and overpopulation?

Chair

Professor Walter R. **ERDELEN**
Assistant Director-General
Natural Sciences Sector
UNESCO
PARIS

Keynote speakers

Professor Laura **MARCHETTI**
Under-Secretary
Ministry of Environment and Protection of Land and Sea
ITALY

Mr. Michael W. **OBORNE**
Director, OECD Global Science Forum
International Futures Program and Multidisciplinary Issues
PARIS

Lord Julian **HUNT** of **CHESTERTON**, CB, FRS
Professor of Climate Modelling
Former Director-General and Chief Executive of the Meteorological Office
UK

Mr. Giuseppe **MORSILLO**

Head of the Director's General Policy Office
European Space Agency
PARIS

18:30-19:00 Discussion and Report from the Rapporteur

Rapporteur

Professor Sverker **SÖRLIN**
Director
Swedish Institute for Studies in Education and Research
SWEDEN

19:00 Reception and Gala Dinner

Friday, 11 May

09:00-10:45 Innovation and Society

How to strengthen the innovation culture in our society?

What role can the public sector play to accelerate innovation changes in our society and raise the level of citizens' inclusion and participation?

What kind of governance is necessary at national and international level to make innovation policies more effective in our societies?

Chair

Ing. Giancarlo **MICHELLONE**
President
AREA Science Park
ITALY

Keynote Speakers

Hon. Mr. Luigi **NICOLAIS**
Minister for Reform and Innovation
ITALY

Mr. Umberto **PAOLUCCI**
Senior Chairman Microsoft Europe Middle East Africa
Vice President Microsoft Corporation
President Microsoft Italia
ITALY

Dr. Mihail C. **ROCO**
Senior Advisor for Nanotechnology
The National Science Foundation
USA

Dr. Robert **AYMAR**
Director General
CERN
GENEVA

Dr. Bruno **LANVIN**
Advisor, Global Information and Communication Technologies
World Bank
WASHINGTON, D.C.

10:45-11:15 Discussion and the Report of the Rapporteur

Rapporteur

Professor Goolam T. G. **MOHAMEDBHAI**
President, International Association of Universities
UNESCO
PARIS

11:15-11:45 Coffee Break

11:45-12:45 Sustainable Development and Health

How to develop integrated healthcare approaches that can meet the challenges of the 21st century, arising from aging populations, environment deterioration and possible global pandemics?

Identify issues related to intellectual property and health care, including impact on developing countries. Identify critical areas of research, e.g. bio-nanotechnology, bio-molecular medicine, genetic engineering, telemedicine and new cancer therapies.

Chair

Professor Phyllis **PITT-MILLER**
Dean, Faculty of Medical Sciences
University of the West Indies
St. AUGUSTINE
TRINIDAD AND TOBAGO

Keynote speakers

Dr. Francisco E. **BARALLE**
Director-General
ICGEB
TRIESTE

Dr. Pratap C. **REDDY**
Founder and Executive Chairman
Apollo Hospitals Group
INDIA

Dr. Giorgio **TAMBURLINI**
Scientific Director
Institute of Child Health IRCCS Burlo Garofolo
ITALY

12:45-13:15 Discussion and Report of the Rapporteur

Rapporteur

Professor Nouria **LAKHDAR-GHAZAL**
Neuroscience Unit and Group of Research on Biological Rhythms
Faculty of Sciences
MOROCCO

13:15-14:30 Lunch

14:30-15:40 Sustainable Development and Energy

What possible energy scenario exists for the world of the 21st century?

How to develop an integrated approach involving education, research and innovation to solve the energy challenges of the 21st century?

Chair

Dr. David **LINDLEY**, OBE, FEng, FRSA
Director
Ocean Power Delivery Ltd.
UK

14:30-14:40 Welcome Remarks

Mr. Giovanni **MANFREDI**
Minister Plenipotentiary and Coordinator for Energy Issues
Directorate General for Multilateral Economic and Financial Cooperation
ITALY

Keynote speakers

Dr. Lawrence L. **KAZMERSKI**
Director
National Centre for Photovoltaics
USA

Dr. Isao **YUKAWA**
Advisor and Past-President
Kyocera Solar Corporation
JAPAN

Dr. Evgeny Pavlovich **VELIKHOV**
President of Russian Research Centre
Kurchatov Institute
RUSSIAN FEDERATION

15:40-16:10 Discussion and the Report of the Rapporteur

Rapporteur

Professor Ali **SAYIGH**
Chairman of WREC, Director General of WREN
Editor-in-chief of Renewable Energy Journal
UK

16:10-16:30 Coffee Break

16:30-18:15 Special Session on Research and Innovation: The Role of the Government (ROUND TABLE)

How to leverage public expenditure in attracting private funding for university research, and enhance cooperation between universities and industry?

How can governments cooperate with the private sector in the development of innovative, high quality education, research and innovation systems?

How can governments promote dialogue and synergies with business, higher education and labour to articulate sound policies and develop needed resources for higher education?

Chair

Professor Elaine **EL-KHAWAS**
Graduate School of Education and Human Development
The George Washington University
USA

Keynote Speakers

Hon. Mr. Fabio **MUSSI**
Minister of University and Research
ITALY

Hon. Dr. Mosibudi **MANGENA**
Minister of Science and Technology
SOUTH AFRICA

Dr. Janez **POTOCNIK**
European Commissioner for Science and Research
European Commission
BRUSSELS

Professor Carlo **RUBBIA**
Nobel Laureate
CERN
GENEVA

Professor Martin L. **PERL**
Nobel Laureate
Stanford Linear Accelerator
USA

18:15-18:45 Discussion and the Report of the Rapporteur

Rapporteur

Professor Miguel **NUSSBAUM VOEHL**
Computer Science Department
College of Engineering
Catholic University of Chile
CHILE

20:30 Ballet "Capriccio Italiano" (P.I. Tchaikovsky)
Adriana Borriello (choreography)
Ballet Company of the National Academy in Rome
Rossetti Theatre (Trieste)
Buffet followed
Venue: Foyer of the Theatre Rossetti

Saturday, 12 May

09:00-10:00 Knowledge and Sustainable Development

How to place research and innovation on the national, as well on the international agenda for development?

How to enhance scientific capacity in developing countries in order to generate appropriate technologies and to base political decisions on the best available information?

Chair

Professor Jacob **PALIS**

President

The Academy of Sciences for the Developing World (TWAS)

National Institute of Pure and Applied Mathematics

BRAZIL

Keynote speakers

Professor Hans **VAN GINKEL**

Rector

United Nations University

TOKYO

Hon. Professor **ATTA-UR-RAHMAN**, FRS

Adviser to the Prime Minister on Science and Technology

Chairman [Federal Minister]

Higher Education Commission

PAKISTAN

Dr. Dimitri **PISKOUNOV**

Deputy Director-General

UNIDO

VIENNA

10:00-10:30 Discussion and the Report of the Rapporteur

Rapporteur

Professor Teboho **MOJA**

Department of Administration Leadership and Technology

The Steinhardt School of Education

USA

10:30-11:00 Coffee Break

11:00-13:00 Special Session on “Science, Technology and Innovation: Perspectives for Africa”

The continued interest of G8 countries and UNESCO in the economic development of Africa is well known. The scientific and technological development represents an important part of the economic development. This session focuses on opportunities of scientific cooperation, at both the North-South and the South-South levels.

Coordinator

Professor Mohamed **HASSAN**
Executive Director
The Academy of Sciences for the Developing World (TWAS)
President
African Academy of Sciences
TRIESTE

Welcome remarks

Ambassador Armando **SANGUINI**
Personal Representative of the Prime Minister for Africa
Director General for sub-Saharan Africa
ITALY

Opening Remarks

Professor Nagia **ESSAYED**
Commissioner for Human Resources, Science and Technology
African Union
ADDIS ABABA

ROUND TABLE DISCUSSION

Hon. Professor Hany Mahfouz **HELAL**
Minister of Higher Education and Scientific Research
EGYPT

Hon. Dr. Noah M. **WEKESA**
Minister of Science and Technology
KENYA

Hon. Prof. Romain **MURENZI**
Minister of Science, Technology and Scientific Research
RWANDA

Hon. Mr. Sylvanus Mushi **BONANE**
Minister of Scientific Research and Technology
DEMOCRATIC REPUBLIC OF CONGO

Closing Remarks

Hon. Dr. Patrizia **SENTINELLI**
Deputy Minister of Foreign Affairs
ITALY

13:00-14:30 Lunch

Closing Session

14:30 - 15:45 Knowledge for Sustainable Development: The Future

Many issues of the Forum will have been discussed by now. This session will focus on outstanding issues for the future, taking into account, in part, the past perspectives and developments.

Chair

Professor Werner **BURKART**
Deputy Director General
IAEA
VIENNA

Keynote Speakers

Professor Édouard **BRÉZIN**
Former President of French Academy of Sciences
Laboratory of Theoretical Physics of the École Normale Supérieure
FRANCE

Mr. Roger H. **SCHJERVA**
Deputy Minister
Ministry of Finance
NORWAY

Sir David **KING**, FRS
Chief Scientific Advisor to H.M. Government and Head of the Office of Science and Technology
UK

15:45-16:30 Discussion

16:30 Concluding Remarks
Professor Katepalli R. **SREENIVASAN**

