



Sharing Knowledge Across the Mediterranean (3) ICTP Trieste 6-8 November 2006

A NATO ADVANCED RESEARCH WORKSHOP organized jointly by the French Association for the Advancement of Science (AFAS) the French National Institute for Nuclear and Particle Physics (IN2P3) and the Abdus Salam Institute (ICTP) Trieste, Italy

Following "WorldMed", co-organised in 2002 with the "Club de Marseille", AFAS and IN2P3 have initiated in 2004 a series of annual "Sharing Knowledge" meetings. After Geneva in May 2004 (50th anniversary of CERN), the second session was held in September 2005 in Casablanca and the third will have the privilege of being hosted by the prestigious Abdus Salam Institute in Trieste.

These meetings are limited to a maximum of 200 attendants so as to allow an active participation of the audience. Invitations will be

directed not only to senior scientists and decision makers but also to younger scientists from Southern countries, including those presently training in Europe or the United States.

Emphasis this year will be on the necessity for researchers of the North and of the South to work together to respond to threats which are global in nature (such as emerging illnesses or climate change) but also on measures aiming at a sustainable development for our planet (managing water and energy, or the agricultural revolution.) For this to happen an intensive communication between researchers is mandatory, be it through the Internet or by international mobility of individuals. The development of International research centers is a growing trend of research and will apply both to North South and to regional South-South partnerships.

The meeting will be dedicated to the memory of Abdus Salam on the 10th anniversary of his death.

Programme

SUNDAY 5 NOVEMBER 2006

- 10h00 Registration
- 14h30 Bus leaves for excursion to Grotta Gigante and Elettra
- 18h 00 Reception offered by Sincrotrone Elettra
- 20h00 Back to ICTP

MONDAY 6 NOVEMBER 2006

08h30 Registration

09h00 OPENING SESSION
(Robert Klapisch)

- ❑ Introductory Remarks (Katepalli Sreenivasan, Director of ICTP)
- ❑ The Scientific Legacy of Abdus Salam (Carlo Rubbia, CERN)
- ❑ The Crucial Fight for the Environment (Corrado Clini, Director -General, Ministry of Environment and Territories of Italy)
- ❑ Les Problématiques Macroéconomiques de l'Énergie (Pascal Colombani, AT Kearney, Paris)

10h30 Break

11h30 INTERNATIONAL MOBILITY OF RESEARCHERS
(Jean-Patrick Connerade, Imperial College, London)

- ❑ The European Charter of Researchers (Sieglinde Grüber, European Commission, Brussels)
- ❑ Access of Students of Southern Countries to Marie -Curie Fellowships (Alexandre Quintanilha, Molecular and Cellular Biology Institute, Lisbonne)
- ❑ L'importance des diasporas scientifiques (Abderrahmane Tadjeddine, CNRS Paris)
- ❑ Table ronde: Témoignages sur le rôle des diasporas scientifiques (Abderrahmane Tadjeddine, Paris, Zohra Ben Lakhdar, Tunis, Majed Chergui, Lausanne, Azzedine El Midaoui, Kénitra, Abdeslam Hoummada, Casablanca).

13h00 Lunch

14h30 INTERNATIONAL RESEARCH CENTERS
(Herwig Schopper, John Ellis)

- ❑ Status of the SESAME Project (Herwig Schopper, Comité SESAME de l' UNESCO)
- ❑ Preparations for the LHC experiments and the contribution of CERN Non-Member States (John Ellis, CERN)
- ❑ Round Table of (present and future) CERN and SESAME users
 - ❑ Hafeez Hoorani (National Center for Physics, Islamabad, Pakistan)
 - ❑ Driss Benchekroun (Casablanca, Maroc)

- ❑ Hessameddin Arfaei (Institute for Theoretical Physics and Mathematics, Teheran)
- ❑ Mohamed Sherif (Université du Caire, Egypte)
- ❑ Mohamed Réda Oudih (Université Houari Boumedienne, Alger)

- ❑ How Fundamental Research and International Centers Breed Innovative Startups (Bernard Daugeras, Auriga Partners, Paris)

16h30 Break

17h00 FIGHTING THE DIGITAL DIVIDE

(Guy Wormser)

- ❑ Introduction: Breadth of problems, Diversity of Technologies (Guy Wormser, Laboratoire de l'Accélérateur Linéaire Orsay)
- ❑ The EuMedGrid project (Federico Ruggieri (INFN Uni Roma 3)
- ❑ Les images satellites au bénéfice des Pays du Sud (Alain Retière, UNOSAT, Genève)
- ❑ Advanced Technologies to Insure Communications with Disaster Areas (NNN Selex Communications, Roma).
- ❑ Sub-Saharan Africa is a Dark Zone for World Internet : Sounding an Alarm (Les Cottrell , SLAC, Stanford University, USA

18h30 End of Session

19h00 Welcome Reception and Buffet at the Main Building

20h30 SPECIAL CONFERENCE OPEN TO THE PUBLIC

(Chaired by K. Sreenivasan, Director of ICTP)

- ❑ Misconceptions about Science in Muslim Countries (Reza Mansouri, Téhéran). *The Conference by Professor Mansouri will be followed by a Discussion.*

TUESDAY 7 NOVEMBER 2006

08h30 SOUTHERN COUNTRIES AND THE AGRICULTURAL REVOLUTION

(Alain Capillon,)

- ❑ Nouvelles tendances de l'agriculture mondiale : concilier l'environnement et la productivité (Alain Capillon, ENSAM Montpellier)
- ❑ L'Agriculture de Précision (Martine Guérif, INRA, Avignon)
- ❑ Managing Water for Agriculture (Nicola Lamaddalena, Mediterranean Agronomic Institute, Bari)
- ❑ L'impact du changement climatique sur l'agriculture (Bernard Seguin, INRA, Paris)
- ❑ Changement climatique et ressources en eau de la Tunisie (Latitia Henia, Université deTunis)

10h30 Break

11h00 EMERGING DISEASES

(Jeanne Brugère-Picou)

- ❑ Des maladies nouvelles surgissent du monde animal: pourquoi et comment ? (Jeanne Brugère-Picou, Ecole Nationale Vétérinaire, Alfort)
- ❑ L'influenza aviaire, une maladie émergente (Giovanni Cattoli, Istituto Zooprofilattico delle Venezie, Padoue)
- ❑ Avian Influenza in Romania (Doina Danes, Faculté de Médecine vétérinaire, Bucarest)
- ❑ L'influenza aviaire et autres pathologies des volailles en Afrique subsaharienne: une expérience personnelle au Bénin. (Lionel Gbaguidi, Cotonou)
- ❑ Le West Nile virus et l'influenza aviaire en Israël (Caroline Noach, Kimron Veterinary Institute, Beit Dagan, Israel)
- ❑ Utilisation de la Grille de Calcul pour la recherche de molécules actives contre le virus H5N1 (Vincent Breton, IN2P3, Clermont-Ferrand)

13h15 Lunch

14h45 WORKING GROUPS: PREPARATION OF RECOMMENDATIONS

(Abdeslam Hoummada)

- ❑ Internet for Subsaharan Africa (Les Cottrel, Monique Petitdidier)
- ❑ Other working groups
- ❑ Suggestions for 2007 et 2008 (Robert Klapisch)

16h00 Break

16h30 SEAWATER DESALINATION

(Miriam Balaban)

- ❑ Ashkelon : 300 000 m³/d, the World's Largest Reverse Osmosis Desalination Facility (Shimon Tal, Tal Consulting, Tel Aviv)
- ❑ The Red-Dead Sea Project: Review of the Dead Sea Hydro Projects (Pinchas Glueckstern, Mekorot Water Company, Tel Aviv).
- ❑ Round Table: Managing Water Resources in the Middle East
 - ❑ Shimon Tal , ex Water Commissioner, Israel
 - ❑ Abed El Tamini Director-General, Palestine Hydrology Group
 - ❑ Khaldon Khashman , Secretary- General, Ministry of Water and Irrigation, Jordan
 - ❑ Youssef Ayadi , Ministry of Water and Irrigation, Jordan

18h30 End of Session

19h45 Concert by the "UNESCO Trieste Group" at the Adriatico Guest House

20h30 Conference Dinner at the Adriatico Guest House

WEDNESDAY 8 NOVEMBER 2006

08h30 ENERGY FOR DEVELOPMENT

(Dominique Gentile)

- ❑ The Future of Energy (Adnan Shihab El-Din, ex- Secretary-General of OPEC)
- ❑ L'énergie dans les 50 prochaines années : diviser par 4 les émissions de CO2 des pays industrialisés, une contribution au développement durable du Sud (Dominique Maillard, Director- General , DGEMP, Ministry of Industry, Paris)
- ❑ Les Enjeux de l'efficacité énergétique dans les pays du Sud (Amir Sallal , University of Versailles Saint-Quentin)
- ❑ Les énergies fossiles en Afrique du Nord : Développement et Coopération. (Abdenour Kéramane ex-ministre de l'Industrie et des Mines, Algérie)
- ❑ Y a t il un avenir pour l'énergie nucléaire dans le Sud ? (Jacques Bouchard, CEA Paris et Président du Consortium International Génération IV)
- ❑ Dessalement de l'eau de mer avec les futurs réacteurs nucléaires (Simon Nisan, CEA Cadarache).

10h30 Break

11h00 MANMADE DISASTERS: FROM CLIMATE CHANGE TO COASTAL OVERPOPULATION

(Yves Lancelot)

- ❑ Consequences of Climate Change for the Mediterranean area (Filippo Giorgi , ICTP Trieste)
- ❑ Littoralisation et environnement marin en Méditerranée: constat, futur annoncé, alternatives (Mohamed Ennabli, ex ministre de l'Environnement de Tunisie)
- ❑ La Surpopulation côtière et ses conséquences au Maroc (Mohamed Amer , Secretary General of the Ministère de l'Aménagement du Territoire Morocco)
- ❑ Conséquences de la pollution côtière sur la flore et la faune marine en Méditerranée.(Oum Kalthoum Benhassine, University of Tunis)

13h00 Lunch

15h00 CLOSING SESSION

(Abdeslam Hoummada)

- ❑ Recommendations of Rapporteurs and Discussion
- ❑ Conclusion of the Conference (Robert Klapisch)

17h00 End of Conference