



European Research Area

“Towards an integrated infrastructure for measurements”

18-19 June 2002

Warsaw, Poland



Conference Venue

PROVISIONAL PROGRAMME



For updates, please visit the website at:

<http://europa.eu.int/comm/research/growth>



AIMS OF THE CONFERENCE

Aims of the Conference

The objective of the European Research Area (ERA) is to contribute towards a common European research strategy. Forthcoming enlargement of the Union may increase the risk of inefficient overlapping and fragmentation of research activities. The measurement and testing research community sees a strong need to work towards an integrated measurements and testing research and metrology infrastructure incorporating the candidate Member States.

The conference will address the state of the art in the major fields of Measurement and Testing. The aims of the conference will be to:

- Present and discuss the state of the art and opportunities for measurements and testing research in Europe and the needs for developing a common infrastructure
- Inform the audience of the developments in measurements and testing in support of trade, competitiveness and in response to the needs of the society
- Discuss the major challenges ahead
- Establish contacts between leading scientists from the Member States and candidate Member States
- Give information on the opportunities in the next framework programme

The conference target audience includes research institutes, universities, laboratories and industries developing or using measurement and testing techniques. The conference will also be of great interest to other stakeholders working with regulations.



"There is no science without measurements, no quality without testing and no global market without standards"

An integrated infrastructure for measurements:

Paving the way for a united, competitive, sustainable and safer Europe

In our modern, knowledge-driven societies, research and development are an essential factor for ensuring our industry's competitiveness and our quality of life. Its success, as that of many other economic activities, greatly depends on harmonised and validated measurements and testing procedures.

This is even more of a necessity in the European single market. A common measurement and testing infrastructure enables us to ensure comparability and quality control. It contributes to controlling risks in the environment and to protecting consumers against fraud and threats to their safety and health.

Around the world today, industrial countries are increasingly dependent on accurate and reliable measurement and testing systems. For Europe, building a solidly integrated infrastructure for measurements is a key to promote its competitiveness in the global economy.

The EU has been involved in measurement-related research for more than 25 years. The primary goals of EU-supported measurements and testing activities have been to contribute to European harmonisation, and to support the development and implementation of Community policies and regulations. These are European aims and, in this respect, metrology research contributes significantly to the development of a European Research Area by underpinning the vision of a united, competitive, sustainable and safer knowledge-based Europe.

The Warsaw conference, *"Towards an Integrated Infrastructure for Measurements"*, will explore how European metrology research can serve as a further concrete step in the realisation of a true European Research Area. The event will also provide an occasion for scientists from the EU and candidate countries to establish valuable contacts and learn about opportunities in the next Framework programme.



Philippe Busquin
Commissioner for Research

foreword

Monday 17 June 2002

17.00-19.00 **Registration**

19.00 **Welcome cocktail**

MORNING

Tuesday 18 June 2002

08.30-09.30 **Registration**

09.30-10.30 **Opening of the conference**

Session co-ordinator: Jack Metthey (*EC-Research DG*)

- Philippe Busquin (*Commissioner for Research*)
- Michal Kleiber (*Minister of Science, Poland*)
- Andrew Wallard (*Director Designate, Bureau International des Poids et Mesures*)
- Representatives of the European Parliament and the Council (*speakers to be confirmed*)

10.30-11.00 **Coffee break**

Session 1: Measurements and testing for society

11.00 **Introduction by the chairperson**

Miguel Valcarcel (*Head, Division of Analytical Chemistry, University of Cordoba, Spain*)

Session facilitator: Søren Bøwadt (*EC-Research DG*)

11.10 **Environmental monitoring - making local measurements coherent Europe-wide**

Jacques Repussard (*Deputy Director General, Institut National de l'Environnement Industriel et des Risques, France*)

11.30 **Improving health and safety - the contribution of harmonised measurements and testing**

Danuta Koradecka (*Director, Central Institute for Labour Protection, Poland*)

11.50 **Testing food for risks and safety**

Peter Biacs (*Professor, Bay Zoltan Foundation for Applied Research, Hungary*)

12.10 **Common methods to combat crime and fraud in Europe**

Charles De Winter (*Commissaire divisionnaire, Police Fédérale, Belgium*)

12.35-12.55 **Presentations of posters describing measurement and testing projects in response to the needs of society**

Eddie Maier and Meropi Paneli (*EC-Research DG*)

Lunch

14.30

Session 2: Measurements and testing for trade and competitiveness

Introduction by the chairperson

Janko Drnovsek (*Laboratory of Metrology & Quality, University of Ljubljana, Slovenia, Head of Metrology Council of Slovenia*)

Session facilitator: Peter Breger (*EC-Research DG*)

14.40

Quality assurance and measurement centre - how an old company became successful once again

Jiri Hlubucek (*Dipl.ing., SkodaAuto, Czech Republic*)

15.00

Measurements and testing tools as a basis for a small company's achievements

Petri Jaakkola (*Managing director, Temet Instruments Oy, Finland*)

15.20

Measures against counterfeiting of industrial products

Klaus Hoffmeister (*Manager, Central Bureau of Intellectual Property Rights, Germany*)

15.40

Standardisation - a key element for growth

Kamal Hossain (*Director, Science and Technology, National Physical Laboratory, United Kingdom*)

16.00-16.25

Presentations of the posters describing projects in support of trade and competitiveness

Carlos Saraiva Martins and Richard Gilmore (*EC-Research DG*)

16.25-17.00

Coffee break

17.00-18.00

Questions and answers session

Chairperson Kimmo Himberg

(*Director, National Bureau of Investigation, Crime Laboratory, Finland*)

Session facilitator: Thomas Fairley (*EC-Research DG*)

20.00

Dinner

Tuesday 18 June 2002

AFTERNOON

Session 3: Towards an integrated European infrastructure**9.00 Introduction by the chairperson**

Maire C. Walsh (*State Chemist, Irish State Laboratory*)
 Session facilitator: Paolo Salieri (*EC-Research DG*)

9.20 Metrology - a common strategy for Europe

Paul Hetherington
 (*Director, Irish National Metrology Laboratory, Chairman Elect of EUROMET*)

9.40 Integrated metrology infrastructure - are the candidate countries ready to join ?

Ionel Urdea Marcus (*Senior scientist, National Institute of Metrology, Romania*)

10.00 Ensuring traceability in chemical and biological analysis

Milena Horvat (*Head, Department of Environmental Sciences, Jozef Stefan Institut, Slovenia*)

10.20 Keeping the time right

Sigfrido Leschiutta (*President, Istituto Elettrotecnico Nazionale Galileo Ferraris, Italy*)

10.40-11.30 Coffee break, visits to the poster exhibition**11.30-13.00 Panel discussion**

Chairperson Claes Bankvall
 (*President, SP, Swedish National Testing and Research Institute*)
 Session facilitator: Manuel Carbajo Monje (*EC-Research DG*)
 Session speakers and :
 Horst Czichos
 (*President, Bundesanstalt für Materialforschung und -Prüfung, Germany; President of EUROLAB*)
 Filomena Camões
 (*Professor, Faculty of Sciences, University of Lisbon, Portugal; Chairman Elect of EURACHEM*)
 Irene Mikelioniene
 (*Director, Lithuanian National Accreditation Bureau, Lithuania*)
 Jan Balla
 (*Clinical Scientist, Department of Clinical Biochemistry, J.A. Reiman's Hospital, Slovakia*)

Lunch

14.30

Session 4: Towards the implementation of the European Research Area - the 6th Framework Programme**Introduction by session chairman**

Marek Kepka (*Director, State Committee for Scientific Research, Poland*)
 Session facilitator: Christine Bernot (*EC-Research DG*)

14.40

General structure of the 6th Framework Programme

Jack Metthey (*EC-Research DG, Director*)

15.00

New instruments in the 6th Framework Programme

Wiktór Raldow (*EC-Research DG, Head of Unit*)

Future challenges for measurement and testing research in the field of :

15.20

Genomics

Egbert Bakker (*Head, DNA Diagnostic Laboratory, Leiden University Medical Centre, The Netherlands*)

15.40

Nanotechnology

Kim Carneiro (*Director, Danish Institute of Fundamental Metrology*)

16.00

JRC research at the service of EU policies

Manfred Grasserbauer (*Director, Institute for Reference Materials and Measurements, Joint Research Centre, Belgium*)

16.20

Questions and answers

17.00

Closing address (Wiktór Raldow, *EC-Research DG*)

Towards an integrated infrastructure for measurements

The new framework programme (2002-2006) will be the primary instrument through which the ERA objectives will be realised. The conference will examine the importance of measurements and testing in the thematic priorities.

Activities in the field of Measurements and Testing (M&T) contribute to the vision of a united, competitive, sustainable and safer Europe by supporting research efforts that expand the ability to measure and make the mutual acceptance of measurement and testing results possible. The M&T activity underpins the very development of society: scientific progress, industrial development, trade and policy making.

Trade

A common structure for measurements and testing is a prerequisite for the functioning of the single market and world trade. The M&T activity includes, among other things, the research support to mutual recognition agreements in order to lift trade barriers and resolve trade disputes.

Competitiveness

Measurements and tests are needed for industrial product and process development, control of production processes and quality assurance including conformity assessments. Additional important areas for industry are monitoring compliance with legislation, e.g. environmental, and fight against product counterfeiting and illegal imports. Progress in measurement sciences, development of validated procedures and measurements standards are crucial for the industrial development of emerging technologies, such as nanotechnologies.

Society

Measurements and harmonisation play an important role in health care, food safety, consumer protection, improving safety at work, monitoring environmental hazards, improving product safety, etc. They are also important for legal safety by contributing to detection and prevention of a range of criminal and other illegal activities such as doping in sport, food adulterations, sale of fake and inferior products.

Scientific Committee:

Claes Bankvall (chairman), Pierre Barbier, Knut Blind, Kim Carneiro, Janko Drnovsek, Katalin Gruiz, Barbara Gworek, Kimmo Himberg, Horst Kunzmann, Henri-Noël Migeon, Carlos Nieto de Castro, Vassilios J. Papazoglou, Michael Sargent, Miguel Valcarcel, Maire C. Walsh, Terence A. Wilkins

EXHIBITION / POSTER SESSION

The exhibition will have three stands providing general information on R&D supported and carried out by the European Commission:

- a stand set up by Research Directorate-General will give information on RTD programmes and on the 6th Framework Programme;
- a stand for CORDIS will give access to on-line information in the form of a Cyber-Café;
- a stand for the Joint Research Centre (JRC) will provide information about the centre's measurements and testing related activities;
- there will also be a stand exhibiting old measuring instruments (courtesy of the Polish State Committee for Scientific Research).

A series of posters presenting measurements and testing projects will be displayed in the exhibition area. The participants will have the possibility to meet with project coordinators or partners. The exhibition and poster area is to be open during the entire conference. A poster book will contain information about all the presented posters.



exhibition

USEFUL INFORMATION

■ DATES

18-19 June 2002

A welcome drink will be offered during the opening of the poster exhibition on 17 June at 19:00.

■ VENUE

Sofitel Victoria Warsaw

Ul. Krolewska 11

PL – 00-065 Warszawa, Poland

■ CONFERENCE ORGANISERS

European Commission

Research Directorate-General

“Competitive and Sustainable Growth” programme

Generic activity “Measurements and Testing”

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■ LOGISTICS

TEAM WORK - 8, rue du Dahomey - F-75011 Paris, France

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e-mail: warsaw.2002@teamwork.fr

■ WEBSITE

Updated information on the conference is available on the Growth website:

<http://europa.eu.int/comm/research/growth>.

■ FORMALITIES

Please check your travel agent / Polish embassy what formalities, if any, are required for your trip.

■ REGISTRATION

How to register ?

By sending the registration form to Team Work no later than 18 May 2002.

Registration fees

The registration fee of 125 € per person covers the participation at the conference sessions, entrance to the poster exhibition, documentation, meals and coffee breaks.

■ WELCOME DESK

A welcome desk will be available to participants at the conference venue:

Monday, 17 June, from 17:00 to 19:00

Tuesday, 18 June, from 8:30 until the end of the conference.

■ METHODS OF PAYMENT

Payment (in €) should be made in advance to Team Work by bank transfer without charges to the beneficiary or by credit card. You are requested to indicate WARSAW and your NAME as reference on all money transfers.

Bank transfer: Crédit Lyonnais Entreprise, Agence 764, 185 rue de Bercy 75012 Paris - France

IBAN FR62 30002 00764 00000 17127L 03, SWIFT: CRLYFRPP

Credit cards: Visa, MasterCard, American Express.

Cancellation

50% of the registration fees will be refunded for cancellations received before 18 May. No refund is possible for cancellations after this date.

Refunds will be made within two months after the conference and after deducting bank charges.

■ OFFICIAL LANGUAGE

The official language of the conference is English.

■ EXHIBITION & POSTERS SESSIONS

The exhibition will be opened on Monday 17 June 2002 at 19:00 and during the two days of conference.

■ ACCOMMODATION

Special rates have been negotiated in three hotels in Warsaw. Please send the hotel booking form to the hotel of your choice before the deadline mentioned.

A credit card guarantee is requested to confirm your room booking. After the deadline, the hotel cannot guarantee room availability nor the preferential rate. Your hotel costs are to be settled directly with the hotel. Since only a limited number of rooms is available in each hotel, reservations will be accepted on a first-come, first-served basis.

■ TRANSPORTATION FROM AIRPORT TO VENUE

Public transport: bus 175 to the city centre (tickets can be purchased at newspaper kiosks).

Taxi: about 10 € to Sofitel/Europejski.

■ LUNCHES

Lunches of 18 and 19 June will be served on site.

■ CONFERENCE DINNER

The conference dinner is planned for Tuesday 18 June.

You are requested to register for the conference dinner on the registration form.

More information will be provided in the final programme to be distributed on site.