

**THE GLOBAL RESEARCH VILLAGE CONFERENCE 2000 IN AMSTERDAM:
ACCESS TO PUBLICLY FINANCED RESEARCH**

**Conference organised jointly by the Netherlands Ministry of Education, Culture and Science,
Directorate Research and Science Policy and the Organisation for Economic Co-operation and
Development (OECD), Directorate for Science, Technology and Industry (DSTI), the Committee for
Scientific and Technological Policy (CSTP).**

Conference subject: Impact of Information and Communication Technologies (ICT) on the science system and its implications for science policy concerning knowledge dissemination and access to knowledge.

Venue: Royal Netherlands Academy of Arts and Sciences, Het Trippenhuis, Kloveniersburgwal 29 Amsterdam.

Date: 6-8 December 2000

*Provisional Programme*¹

Wednesday December 6

16:00 - 17:30 **Arrival**, registration

17:30 - 19:00 **Welcome** speech by Conference Chairman **Hans Franken**, Secretary-General, Royal Netherlands Academy of Arts and Sciences.

Reception offered by the Royal Netherlands Academy of Arts and Sciences.

19:00 - 22:00 By boat to the *Netherlands Maritime Museum Amsterdam*.

Dinner at the Dutch East Indiaman *Amsterdam*, speech on the Dutch East India Company by **Ingrid Dillo**, the Netherlands Ministry of Education, Culture and Science. Speeches on the Conference purpose by **OECD representative** and **Jan Vrolijk**, Director - General for Higher Education and Science Policy, the Netherlands Ministry of Education, Culture and Science.

1. Speech titles are indicative.

Thursday December 7

09:30 - 15:15 **Plenary sessions**

09:30 - 10:45 **Keynote speeches I: Access to global research as a political issue**

Donald Johnston, OECD, Secretary General
Opening the third Global Research Village Conference

Loek Hermans, Minister of Education, Culture and Science, The Netherlands
ICT for better access to education, culture and science

Birte Weiss, Minister of Research and Information Technology, Denmark
(title to be announced)

José Mariano Gago, Minister of Technology and Science, Portugal
ICT and the scientific fundamentals of the knowledge based society

Philippe Busquin, Commissioner for Research, The European Union
The Impact of ICT on the European Research Area

10:45 - 11:15 **Coffee, tea** (+ music)

11:15 - 12:15 **Panel discussion** by session speakers and **Andrzej Wiszniewski**, Minister of Science, Poland, **Ruzena Bajcsy**, Assistant Director, CISE, National Science Foundation (United States), **Reinder van Duinen**, President, European Science Foundation, **Maria C. Freire**, Director, Office of Technology Transfer, National Institutes of Health (United States) and **Vicki Sara** Chair, Australian Research Council.

12:15 - 13:15 **Lunch**

13:15 - 14:30 **Keynote speeches II: ICT and global access to research**

Ruzena Bajcsy, Assistant Director, Directorate for Computer and Information Science and Engineering (CISE), US National Science Foundation:
ICT and research policy

Vicki Sara, Chair, Australian Research Council:
Global research co-operation with ICT

Bob Aiken, Manager, University Research Program, Office of the CTO, Cisco Systems, US:
New frontiers for research networks in the 21st Century

Gert Jan van Ommen, Professor of antropogenetics, Leiden University Medical Center, / Senior VP HUGO: *Genome research, HUGO and future healthcare*

Derk Haank, CEO Reed Elsevier, Director Elsevier Science:
ICT mediated innovation in scientific communication

14:30 - 15:15 **Panel discussion**

15:15 - 15:45 **Tea**

15:45 - 17:10 **Parallel Sessions I**
(Presentations of 25 minutes, discussion of 35 minutes)

A. Access to advanced ICT infrastructures

A.I. Issues of networking

1. Karel Vietsch Secretary - General, Trans-European Research Networks (TERENA):
Lessons from the past, global challenges ahead

2. David O. Williams (IT division CERN):
The GRID

3. Discussion on policy issues

B. Sharing research resources and information

B.I. Issues of access to data

1. Denise Lievesley, Director UNESCO Institute for Statistics:
Access to data from human populations.

2. Mette Madsen, Head, Department of Epidemiology and Biostatistics, National Institute of Public Health, Denmark: *Using digitised medical records for research purposes: collective and individual interests*

3. Discussion on policy issues

C. Knowledge dissemination and access to knowledge

C.I. Issues of quality control

1. Maarten Cornet, Netherlands Bureau for Economic Policy Analysis (CPB):
ICT-economies and independent assessment of scientific quality and productivity

2. Martin Blume, Editor in chief, Editorial office, American Physical Society:
ICT-related Innovations in 'Peer Review'

3. Discussion on policy issues

17:10 - 20:00 **Site visit:** (by bus) to the Centre for Mathematics and Computer Science, (CWI) **Gerard van Oortmerssen**, Director: Frontline informatics.
Address by **Derk Haank**, COE Reed/Elsevier, Director Elsevier Science
Reception offered by Elsevier Science

20:00 **Dinner** in Hotel The Grand

Friday, December 8

09:30 – 10:55 **Parallel sessions II**
(Presentations of 25 minutes, discussion of 35 minutes)

A. Access to advanced ICT infrastructures

A.II. Issues of Hi-Performance hardware and software

1. Marc Snir, Head scalable parallel systems research group, IBM T.J. Watson Research Center (US): *Co-operation between industry and universities to access the "Petaflop" computer*

2. Philippe Aigrain, EC DG Information Society/EU working group on libre software: *Open source software: scientific sine qua non.*

3. Discussion on policy issues

B Sharing research resources and information

B.II. Sharing data and instruments

1. **Clifford Jacobs**, Head University Corporation for Atmospheric Research (UCAR) and Lower atmosphere facilities oversight, NSF: *Virtual research communities, sharing large databases*

2. **Richard Schilizzi**, Head, Joint Institute for VLBI in Europe (JIVE):
VLBI: One Global Telescope, a shared instrument for research in astronomy.

3. **Discussion** on policy issues

C. Knowledge dissemination and access to knowledge

C.II. Issues for supply, demand and archiving of E-publications

1. **Michael Keller**, University Librarian, Director of Academic Information Resources, Publisher HighwirePress, Publisher Stanford University Press, Stanford University, Green Library:
Sustainable archiving and the digital future of Academic Information Resources

2. **Andrew Odlyzko**, Head of the Mathematics and Cryptography Research Department, AT&T Labs (US):
Electronic publishing: the new scientist as user of global digital information.

3. **Discussion** on policy issues

10:55 - 11:25

Coffee (+ music)

11:25 - 12:50

Parallel Sessions III

(Presentations of 25 minutes, discussion of 35 minutes)

A. Access to advanced ICT-infrastructures.

A. III. New Methodologies for Sharing Knowledge

1. **Andrzej Wierzbicki**, Director, National Institute for Telecommunication, Warsaw:
Modelling for knowledge exchange by Andrzej Wierzbicki and Marek Makowski, IIASA

2. **Etsujiro Shimemura**, (to be confirmed) President, Japanese Advanced Institute of Science and Technology, Ishikawa: *Transdisciplinary knowledge exchange.*

3. **Discussion** on policy issues

B. Sharing research resources and information

B.III. Issues for access to intellectual property

1. **Maria C. Freire**, Director, Office of Technology Transfer National Institutes of Health (US NIH)
Rights to research resources in the information society

2. **Tony Howard**, senior IP-expert, DG Internal Market, European Commission,
Rights to research findings: A Community Patent for the European research area.

3. **Discussion** on policy issues

C. Knowledge dissemination and access to knowledge

C.III. Issues for ICT-mediated transparency

1. Barend Mons, Program officer SHARED, Netherlands foundation of tropical research (WOTRO), The Netherlands Organization for Scientific Research (NWO): *Information and communication for research communities.*

2. Declan Butler, European correspondent *Nature*:
The scientific paper of the future.

3. Discussion on policy issues

12:50 - 14:00

Lunch

14:00 - 16:15

Plenary Sessions (chaired by Hans Franken): **Conclusions and Follow-Up**

14:00 - 15:30

I. Conclusions: *Lessons for science policy and research management*

(Reports from the parallel sessions and statements by officials from research organisations, 10 minutes each, concluding panel discussion for 20 minutes)

1.

Reports parallel sessions

1. A. Report by rapporteur **sessions A.**

1. B. Report by rapporteur **sessions B.**

1. C. Report by rapporteur **sessions C.**

2.

Policy options

2.1. Ruzena Bajcsy (Directorate for Computer and Information Science and Engineering (CISE)), US NSF: *Policies for access to infrastructures, skills, methods and models*

2.2. Maria C. Freire (Director, Office of Technology Transfer, National Institutes of Health (US NIH)): *ICT and the future of knowledge transfer*

2. 3. Vicky Sara (Chair, Australian Research Council): *Global co-operation and sharing through ICT*

2. 4. Reinder van Duinen (Chair European Science Foundation)
Responsibilities for broad access to broadly disseminated knowledge

3.

Concluding panel discussion (speakers and rapporteurs)

Hans Franken, Conference chairman:

Conference recommendations

15:30 - 16:15

II. Follow-up

1. Minister Andrzej Wiszniewski, Poland
Proposal for follow-up

2. OECD official: conclusions

3. Hans Franken: closing words.