Global Research Village Conference III Amsterdam 2000:
Access to publicly financed research

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ICT and Global Access to Research

Promoting Access to

A. Advanced ICT Infrastructures
B. Scientific Content
   • Research data
   • Scientific Information
C. Knowledge (dissemination)
Access for Whom?

- Researchers
- Society
  - Industry
  - Education
  - Public at large
A. Advanced ICT Infrastructures

Next generation Internet
The Grid, Ambient computing
Tera and Petaflop computers
Methodologies for sharing knowledge
Open Sources software
Middleware
B. Access to Scientific Content

Access to research information
(who does what where and how)
Access to research data
from public data agencies
among researchers
C. Knowledge dissemination

E – Publishing / E – Libraries

- ease of access
- peer review, quality control
- business models
- copyrights
- sustainable archiving
Statements on
Science Policy and Access I

*Research is elitist, governments are populist*

*ICT enables access to scientific information from outside the research community*

*Positive feedback between research and society enhanced by ICT*

*ICT mediated access to research to ensure public support for it*

*Knowledge + ethics = wisdom*
Statements on Science Policy and Access II

Scientific communities need to be sensitised to the ICT knowledge potential

ICT promotes collaborative research

Genome research demonstrates the power of the Internet

Data protected better than people?

Blue Gene needs Open Source software
Developing Internet 2 means starting all over again

Patents promote knowledge disclosure

The invention of the Internet was not patented

Research requires giant steps in data processing

E-Science: a quantum leap based on quantum mechanics
Conference Conclusions

Access to be characterised by
Openness
Availability
Quality
Accountability
Fair use
Conference Recommendations

Explore Principles to guide access to research to be considered at a fourth Global Research Village Conference to be held in Poland
In the village, high fences make good neighbours but Science needs openness