

New WSIS issue:

The right to IT:
IT research and
IT education for everyone

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Global Community Networking Partnership

- A coordination of community networking, telecenters, community technology centers,...
- Goals: put technology in the hands of citizens
- Established in Global CN Congress in Barcelona in 2000.
- Next Congress in Montreal,
<http://www.globalcnpartnership.org>

FIB-UPC

<http://www.fib.upc.es>

- First School of Computer Engineering in Spain in one of the leading European technological universities (UPC).
- Member of Cluster network.
<http://www.cluster.org>
- Goals: center for higher education of computer and software engineers.
- Interested in participate in the WSIS

WSIS Civil Society working group on IT universities and labs

- New Working Group in WSIS Civil Sector on IT knowledge organizations (universities, R&D Labs, ...)
- Specially the IT Universities and labs.
- Firsts contacts:
 - I2cat project, part of Internet2 community, www.i2cat.net
 - UCAID www.ucaid.edu, StarTAP www.startap.net
 - FIB-UPC, member of Schools of Computer Science...

A vision to WSIS (requirements)

- What a global information society can be?
- 1. A long term project
- 2. A project for designing and building a new society based on the information technologies for everyone

Geneva 2003.....2013

The US first generation Internet experience (20 year process: 1969- 2000)

- 1r. Technological research and education
- 2. Transfer to the commercial sector
- 3. Extension to the overall society

Why should be different in the rest of the countries?

WSIS Action Plan

1. To expand the IT research and education community in every country (Please, bring IT universities and labs to WSIS)
2. To generate a digital economy in each country (India example)
3. To extend it to every citizen and community (Public cabinas in Peru)

A first goal for the first global summit on IS

- First goal: *IT research and IT education for every country*

A project-based Summit?

- Is it possible to organize an new kind of UN summit based on projects?
- Two possible projects:
 - a) Extending the Internet 2 research project as a global project
 - b) Establishing an IT Higher Education Network project.

1st WSIS project: *“Internet2-NGI for all”*

- 1. The issues:
 - Shortage of IT research personnel and facilities in every country. Solving the IT brain drain.
 - There is a need to design a new Internet, a new global digital infrastructure.
 - We need a framework for integrate different initiatives: IPV6, wireless technology, optical technology, security, open source...
 - Precedents: Global Change, Human Genome, Space Station research projects.

First steps

- “Internet 2”-“NGI” Research Project.
<http://www.ucaid.edu>
 - 200 hundred universities. + similars projects in Europe, Latin America, Asia.
 - Not Africa yet

Internet2-NGI for all, the first IT global research project

- Launching this “civil society” initiative in WSIS Geneva 2003.
- Partnership structure: universities, gov, companies.
- Getting all the continents on board, Africa included.
- Keeping a distributed and open structure and coordination.
- Maintaining the innovative nature of this network.

2nd WSIS project: *The IT Higher Education Network Project*

- The issues:
 - Shortage of IT engineers, technicians, teachers and students.
 - “Skill drain”, South-North
 - No IT skills, no digital economy

First steps

- ISOC Workshop for Developing Countries
<http://www.isoc.org/educpillar/index.shtml>
- Telecenters, community networks,...
<http://www.ctcnet.org>
- ACM training activities,...
- ABET-CSAB Accredited Computing Programs,
http://www.abet.org/accredited_programs/CACWebsite.html

The IT Higher Education Network Project

- An initiative of IT Higher Education Schools, professional assoc. for establishing...
 - A multilingual IT educational curriculum adapted to every country and different levels (university, colleges, secondary schools, professional training,...)
 - a IT high education network in every country and worldwide to innovate, coordinate and evaluate the IT education.

Next step...

- Bucharest Nov. 7-9, Regional WSIS Conference
- 1st meeting of WG on IT Universities and labs..
- Agenda:
 - Project proposals for WSIS.
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