Citizens in a Knowledge Society: rethinking education from scratch.

Part 1

The digital revolution: citizenship and inclusion in a post-industrial society

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Internet Interdisciplinary Institute
Universitat Oberta de Catalunya

Quality standards in ICT education workshop
Belgrade, April 12, 2011.
What is development

Socioeconomic development → Individual resources → Objective choice → Health

Value change → Emancipative values → Subjective choice → Wealth

Democratization → Freedom rights → Effective choice → Education

Effective choice → Governance

What is a society

Matter (nature) -> Relationships of Production
-> Relationships of Experience
-> Relationships of Power
-> Culture

Industrial Society: productive system

Input: Resources → Production Process → Output: Products

Labour

Capital

Scarcity + Transaction Costs + Intermediation
Information Society: productive system

Input: Information → Production Process → Output: Information

Labour: Knowledge

Capital: ICTs

Scarcity? + Transaction Costs? + Intermediation?
Businesses

Office
Org. chart
Reports

Factory

Product

Network of firms
Networked firm
Outsourcing
Offshoring
Governments

Bureaucracy
Box offices
Parties

Govts.
Parties

Action
Information
Services

e-Democracy
Cyberactivism
Open government
Media

Journals
Institutions
Journalists

Press agencies

Information
Opinion

Citizen journalism
Schools & Universities

Classroom
Teacher
Book
Educational System

Action
Information
Services

e-Democracy
Cyberactivism
Open government
Citizens

Persons
Agora

Family
Friends
Colleagues

Relationships

Social network
Development in an Information Society

Input:
- Information
- Labour: Knowledge
- Production Process

Output:
- Information

Democratization
- Freedom
- Rights
- Effective Choice
- Governance

Relationships of Power
- Capital: ICTs

Relationships of Experience
- Relationships of Production
- Culture
- Matter (nature)
- Health
- Education
- Wealth

Subjective Choice
- Value Change

Emancipative Values

Objective Choice
- Choice
# The Digital Economy as an enabler

<table>
<thead>
<tr>
<th>Development</th>
<th>The Digital Economy</th>
<th>Network Society</th>
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<tbody>
<tr>
<td>Socioeconomic Development</td>
<td>INFRASTRUCTURES</td>
<td>Matter (nature)</td>
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<td>(individual resources)</td>
<td>ICT SECTOR</td>
<td>Production</td>
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<tr>
<td>Value Change</td>
<td>(DIGITAL) LITERACY</td>
<td>Experience</td>
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<td>(emancipative values)</td>
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<tr>
<td>Democratization</td>
<td>LEGAL FRAMEWORK</td>
<td>Power</td>
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<td>(freedom rights)</td>
<td>USES (CONTENT &amp; SERVICES)</td>
<td>Culture</td>
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## Strategies for the Information Society

<table>
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<tr>
<th>Level</th>
<th>ICT4D</th>
<th>Strategies</th>
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<tr>
<td>1.0</td>
<td>Infrastructures</td>
<td>Push</td>
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<td>ICT Sector</td>
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<td>Digital Literacy</td>
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<td>2.0</td>
<td>Legal &amp; Reg. framework</td>
<td>Pull</td>
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<tr>
<td></td>
<td>Contents &amp; Services</td>
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</tr>
</tbody>
</table>
A 360º Digital Framework

- Infrastructures
  - Availability

- ICT Sector
  - Enterprises
  - Economy

- Digital Skills
  - Digital Literacy Level
  - Training

- Legal Framework
  - ICT (Sector) Regulation

- Content and Services
  - Availability

- Demand
  - Affordability

- Supply
  - Workforce

- Flows
  - Intensity of Use

- Assets
  - Information Society Strategies and Policies
Belgrade, April 12, 2011. Quality standards in ICT education

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