

ICT for Social Development

IT +46

May 2008

- **Who** are we?
- **What** are we doing?
- **Why** are we here?

Who we are

Alberto Escudero Pascual

- Spaniard living in the North pole
- PhD in Privacy and Computer Security
- 20 years experience in Internet
- 15 years working with Development

Louise Berthilson

- Swede living in Northern Europe
- M. Sc in Communications Systems
- Research assistant at Royal University of Technology
- 5 years of experience in Development projects in Africa and Asia

What we are

- Patient
- Stubborn
- Optimistic
- Inventive
- Engaged
- Hard working

What are we doing?

IT46

- Background at Royal Institute of Technology
- Research and education
- Cooperation projects with the Swedish International Development Agency (SIDA)
- Overhead, top-down, not compatible with academic life, lack of flexibility, funding driven

IT46

- Swedish ICT Consultancy with a social mission
- Knowledge transfer to recipients
 - On site theoretical and practical training
 - Hands on experience
- Working with
 - grassroot organizations
 - academia

Main focus areas

- Fixed and Wireless IP Infrastructure
- Services: CMS, VoIP, Bandwidth management
- Localization of Computer Software
- Computer Security and Privacy
- Tools: FOSS, Low power solutions

Reference Projects

- IT Infrastructure and system group, Honduras
- Solar power backup system, Nigeria
- Jambo OpenOffice, Tanzania
- The 1st Wireless rural ISP in Nigeria
- VoIP4D Primer (book)
- Community Wireless Networks, Uganda
- Drumnet, SMS gateway for farmers, Kenya

Clients

- International Development Agencies
- Universities
- NGOs
- Others

International Development Agencies

- International Development Research Centre (IDRC), Canada
- Spider Centre, Sweden
- The Swedish International Development Agency (SIDA)
- United Nations Development Program (UNDP)

Universities

- Royal Institute of Technology, Sweden
- Delft University of Technology, Netherlands
- Al Akhawayn University Ifrane, Morocco
- Makerere University, Uganda
- University of Dar es Salaam, Tanzania

NGOs

- The Association for Progressive Communications (APC), South Africa
- Olof Palme International Center, Sweden

Non classified

- European Commission
- Unidade Técnica de Implementação da Política de Informática, Mozambique

Strategy

- On-site training
 - Train the trainers
 - Theory and practical
- Development of training material
 - Creative Commons
 - Multi-lingual
- Remote long term support

Why are we here?

Our objective

Raise awareness about *the other* part of the world

Your expectations

- to increase awareness about the problem of the “digital divide”
- to find ways to offer concrete help
- to discuss and share opinions with others
- to better understand how ICT can be useful to people in developing regions

Course content

- Based on our own practical experience
 - Very little statistical facts and studies
- No right or wrong
 - It is OK to disagree!
 - It is better to find consensus

Day 1

- Course Introduction, practicalities
- Get-to-know-each-other-a-bit
- Introduction to ICT for Social Development
 - Equitable Access to ICT Infrastructure
 - Internet Governance Forum 2007
 - Internet Connectivity in the world

Day 2

- Localization of Computer Software
 - Why Localization?
 - Localization components
- Jambo OpenOffice
 - The first office suite in Swahili

Day 3

- Electricity and Developing Countries
- Power Backup Systems
- Low Power Computing Devices

Day 4

- Introduction to Wireless Communications
 - The politics of connectivity
- Wireless Technology for Development
 - Community Networks and their challenges
- VoIP for Development
 - Building voice infrastructure in Developing Regions

Day 5

Part 1

- Outcome Mapping
 - Evaluation of Development Projects

Part 2

- Internet censorship and circumvention techniques

Course model

- Presentations
 - Questions at any time
- Discussions
- The Question of the Day
 - Starting each day
- 14 PM – 15.30 PM, 15.45 PM – 17.15 PM

Project Assignment

- Form groups (2 – 4 students each)
- Select one of the 7 topics or propose one yourself
- The topics are deliberately loosely defined
 - To leave space for each student to focus on what he/she finds relevant

Written report

- English
- Maximum 10 pages
- Format
 - PDF
 - Dokuwiki format

Content

- Clearly defined scope
- Minimal background
- Major findings
- Conclusions

Grading

- Participation
 - Quality vs Quantity :)
- Project assignment
 - Personal conclusions
 - Feedback on other assignments

Deadline

- Submission by email to it46@it46.se
- Wednesday 14 May, 18 PM
- Published for opposition at course website
 - <http://ict4sd.it46.se>

Presentations (15-16 May)

- Phone conference (Trento – Cairo)
- One dedicated time slot per group
 - Presentation
 - Opposition
 - Open discussion

Questions?

Let's get to know each other a bit!

Tell us your name and
one thing that no one in this room
knows about you!