

# PC project in Lesotho



**A project run under the umbrella  
of UNCTAD**



**in collaboration with  
Haute Ecole de Gestion, Geneva**

h e g













**Dr Dominique Hausser, MD, MSc  
Observatoire technologique,  
Canton of Geneva, Switzerland**



# Lesotho in few figures



-  **30'355 km<sup>2</sup>**
-  **11% surface for agriculture**
-  **Altitude: 1'400 m-3'482 m**
-  **~1'850'000 inhabitants**
-  **Median age: 20**
-  **Pop. Growth 0.14 %**
-  **HIV / AIDS: ~ 30 %**
-  **Level of literacy: 85 %**
-  **Pop below poverty: 49 %**
-  **Unemployment: 45 %**

# Computer situation



- ❑ Tertiary schools  
<100 PCs for ~3000 students
- ❑ Administration very few computers and servers
- ❑ Power supply difficulties
- ❑ Limited connectivity
- ❑ Narrow bandwidth for communications
- ❑ Success story like GIS for schools management



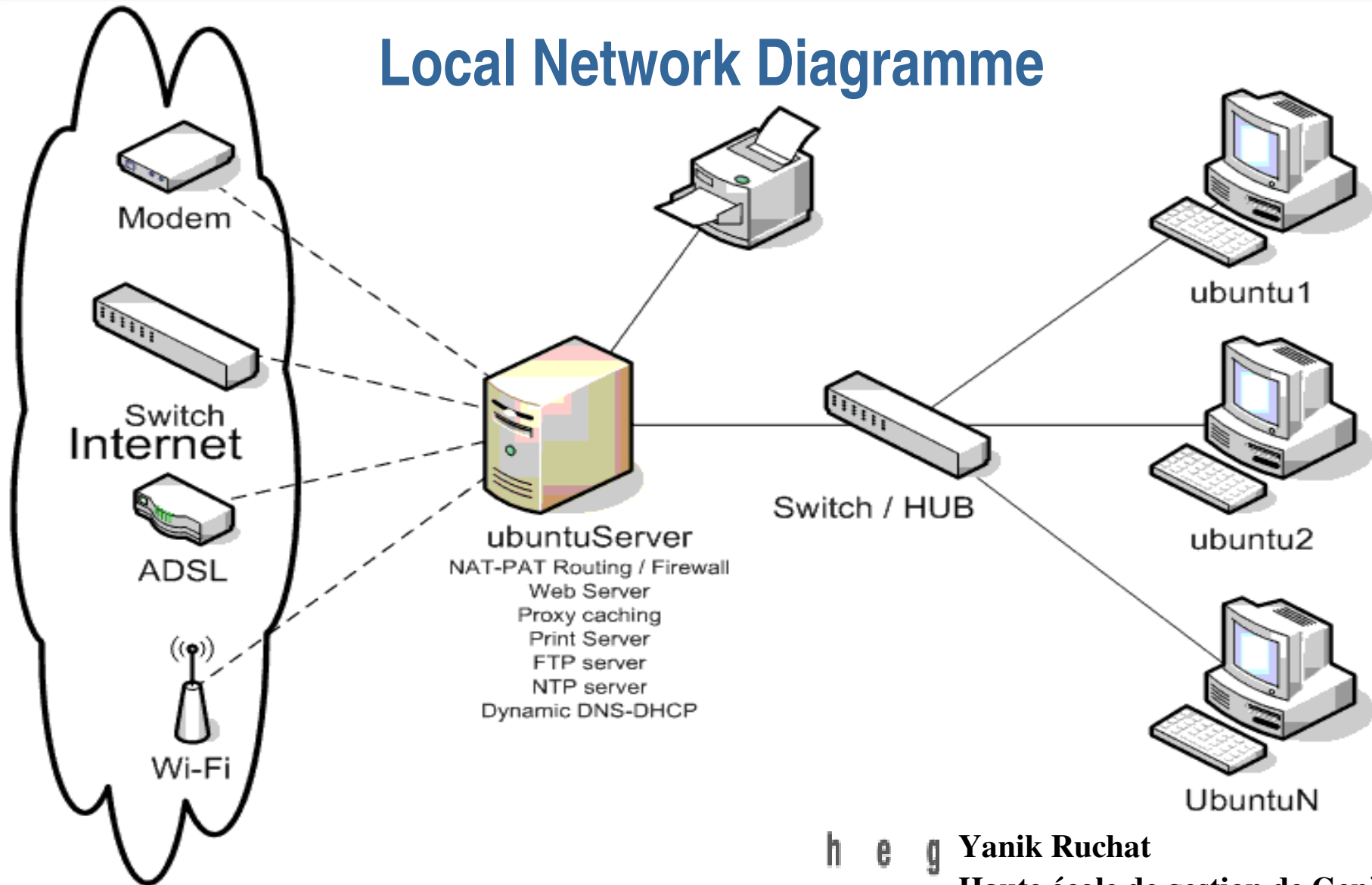
## Objectives of the project

- ❑ **From policy to action :**  
**concretisation of the policy paper and implementation plan of the Lesotho government**
- ❑ **200 PCs with FLOSS OS and software**  
**(LIFE packaged by ISF / CERN / HEG) deployed in :**
  - ❑ Tertiary schools 2\*30,
  - ❑ High schools 10\*6,
  - ❑ Health centres 10\*5
  - ❑ Tele centres 10\*3
- ❑ **Training of**  
**technicians (15) and responsables of local net (50)**





# Local Network Diagramme



h e g **Yanik Ruchat**  
 Haute école de gestion de Genève

## Technical informations and related problem



- ❑ Pentium III 600 MHz,  
RAM 128 MB, HD 8-10 GB
- ❑ Screen 19"
- ❑ Cost of 1 PC including  
transportation : ~ 100 €
- ❑ Total cost for 220 PCs and  
various material: ~ 22'000 €
- ❑ High power consumption which  
should be reduced using flat  
screens and thin clients  
(see <http://ndiyo.org>)

## Provocative remarks to stimulate discussion !



- ❑ The success of the project depend mainly on the will of the people runing the project on a daily basis.
- ❑ There is a hudge potential. It has to be stimulated. The responsability of the Lesotho government is clearly engaged.



# Thank you for your attention

Lesotho ICT Policy available on :  
<http://www.lesotho.gov.ls>

## HEG Team

- Professor Enrico Viganò
- Yanik Ruchat
- Samuel Carrupt
- Jean-Jacques Buregeya
- Pauline N'Djama
- Ionel Demski

## University of Jaén Team

- Professor Arturo Montejo Ráez
- Antonio José Galisteo Cantero
- Jose Maria Dueñas Quesada
- Carlos Jiménez Delgado
- Manuel Chica Serrano

description of the project:  
<http://hausser.ch/spikini/?wiki=LesothoProject>