

CEIBAL Plan Technical Area

Fiorella Haim



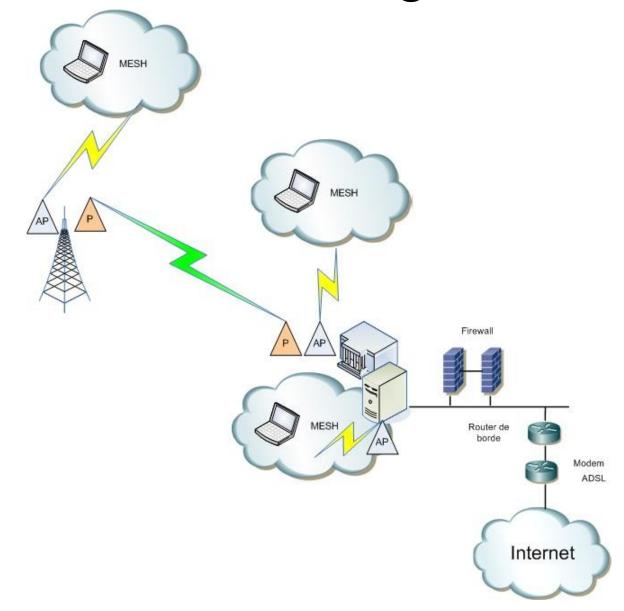


Structure

- LATU is in charge of technical implementation
- 23 young engineers and advanced students (telecom and computer)
- 4 Departments: Projects, Connectivity, Systems and (network) Support



Generic Network Diagram





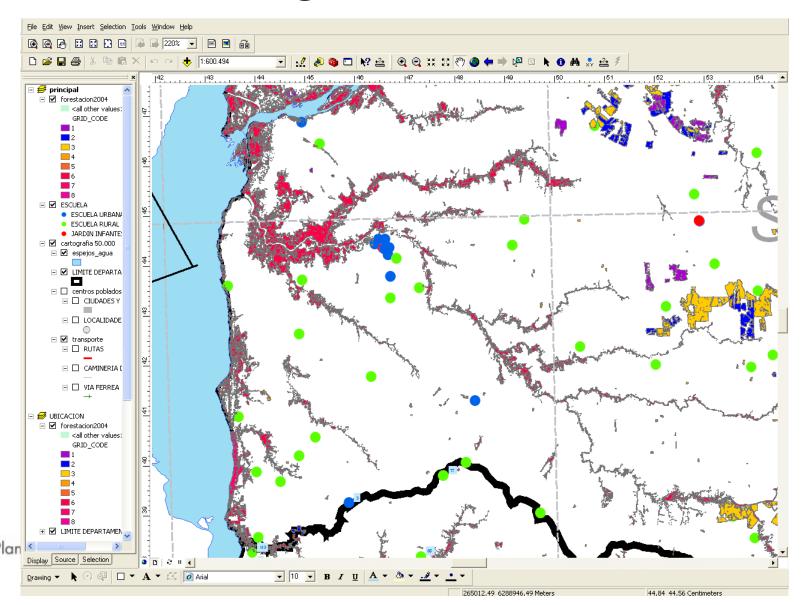
Stages

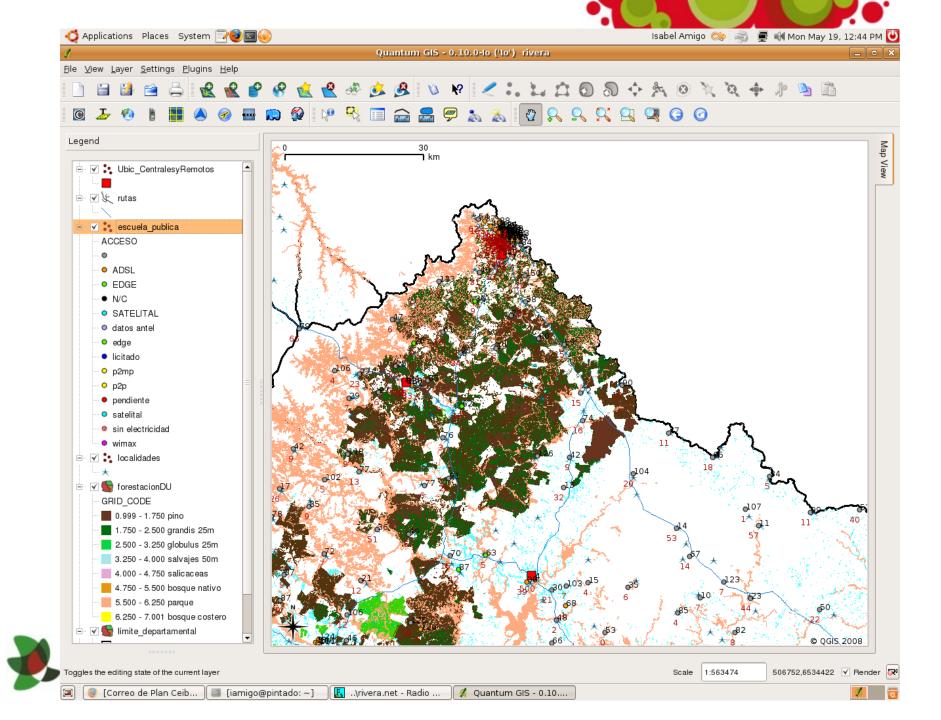
- Design and planning
 - Study of zones
 - Connection to internet (ADSL, EDGE, 3G, Satelite, P2P links)
- Network Implementation
 - LATU

Plan Ceibal

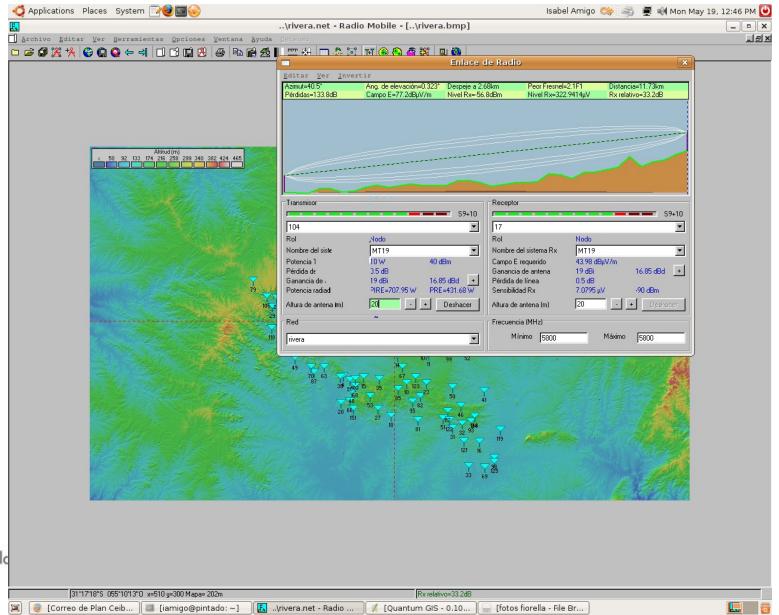
- Tender (more than 1 supplier to be faster)
- Different technologies (MIMO, Wimax, P2P, EDGE / HSDPA, satelite)
- Optimization
- Servers and laptops
- Management and monitoring network tools (software)

Pre design at zone level

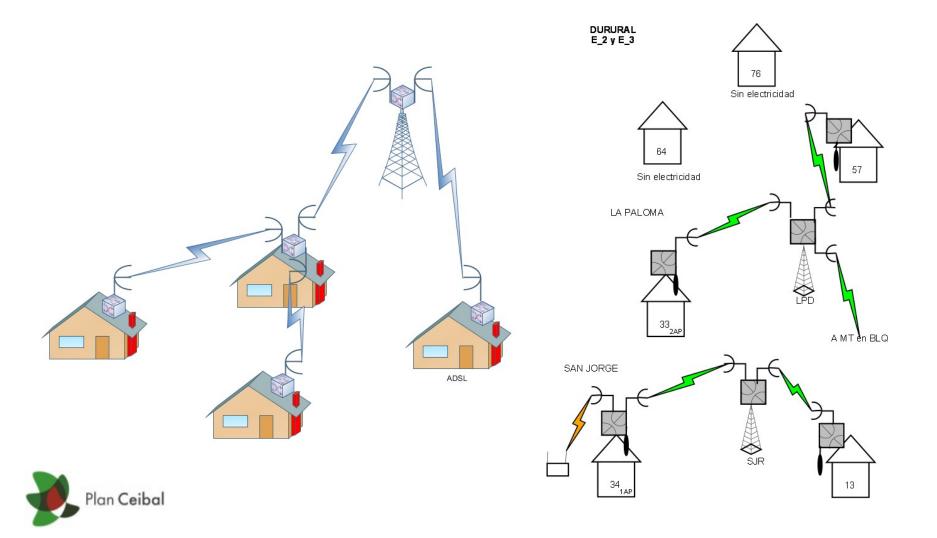




P2P link calculations



Project details



Connectivity

- Write tenders
- Evaluate and assign zones
- Implement zones
- Control and manage suppliers
- Optimize coverage



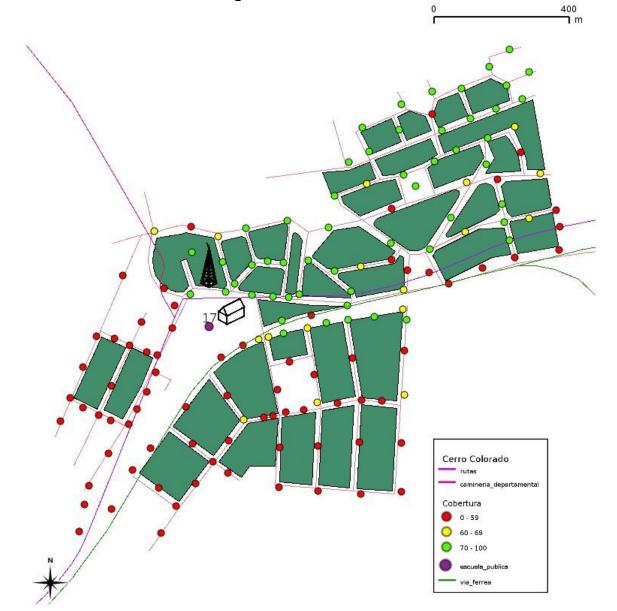


Towers

• From ANTEL, OSE, AFE, MoD, Radios, Cable, UTE, MEVIR.

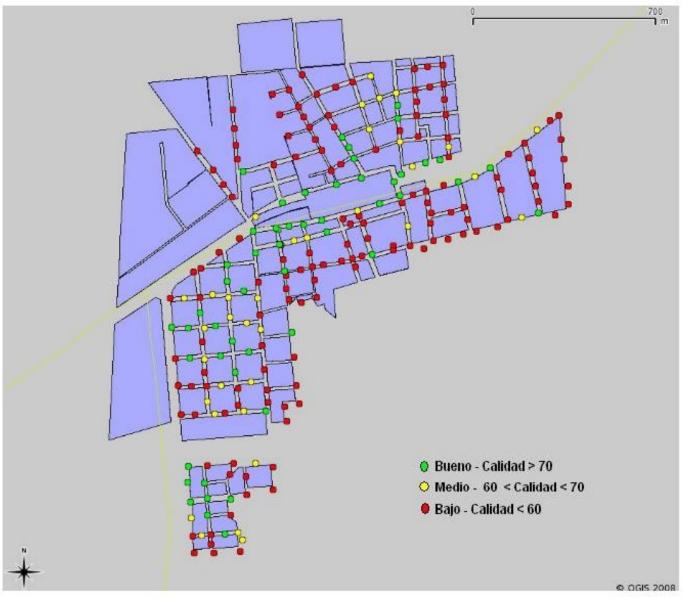


Control and optimization



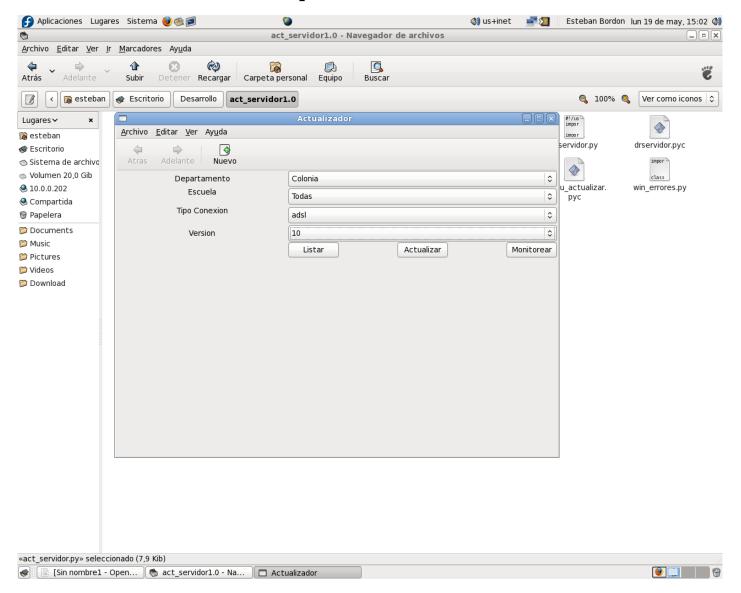




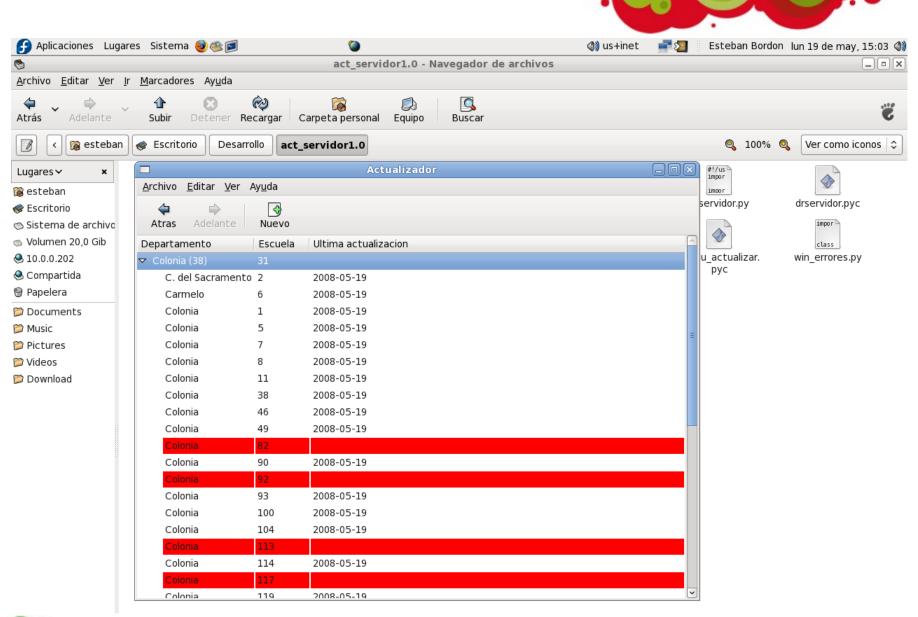




Server update tool

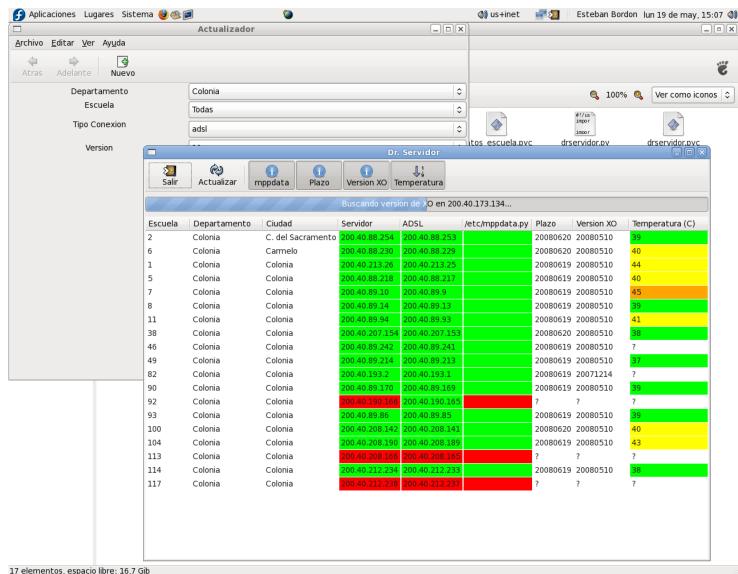


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Monitoring servers



Dr. Servidor

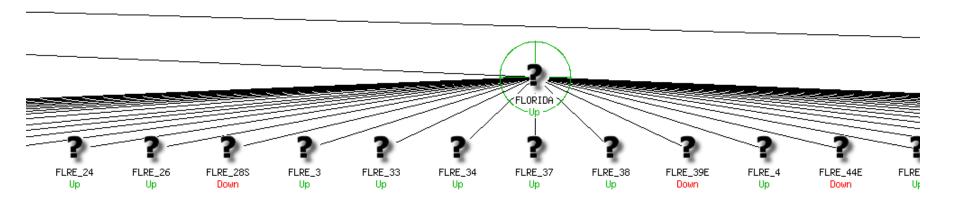
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👏 act servidor1.0 - Na...

Actualizador

Network monitoring









Layout Method:

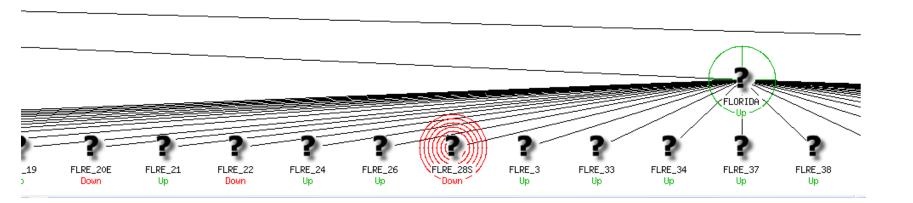
Balanced tree

Drawing Layers:

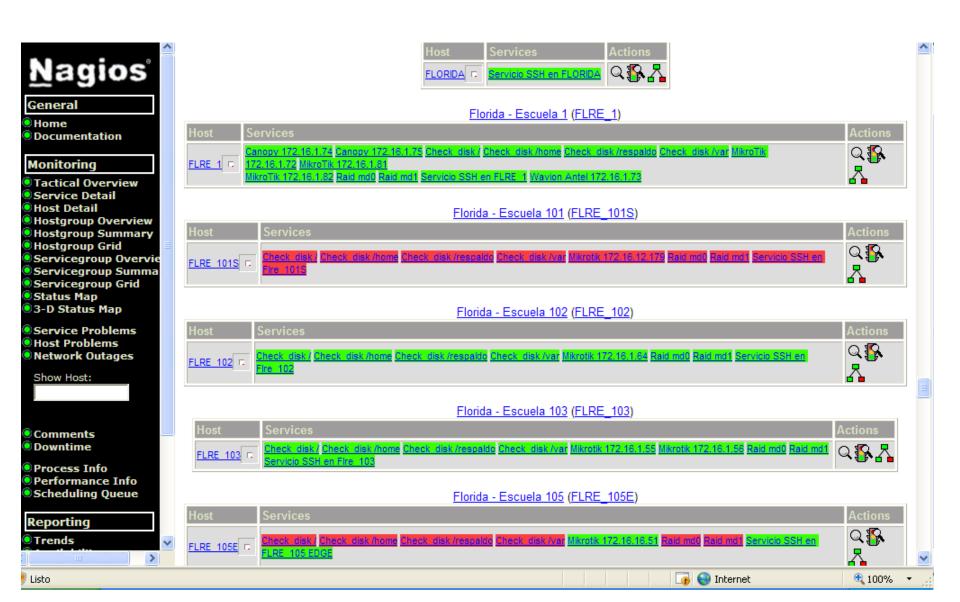
Colonia - Escuela 1
Colonia - Escuela 10
Colonia - Escuela 100
Colonia - Escuela 104

Suppress popups:

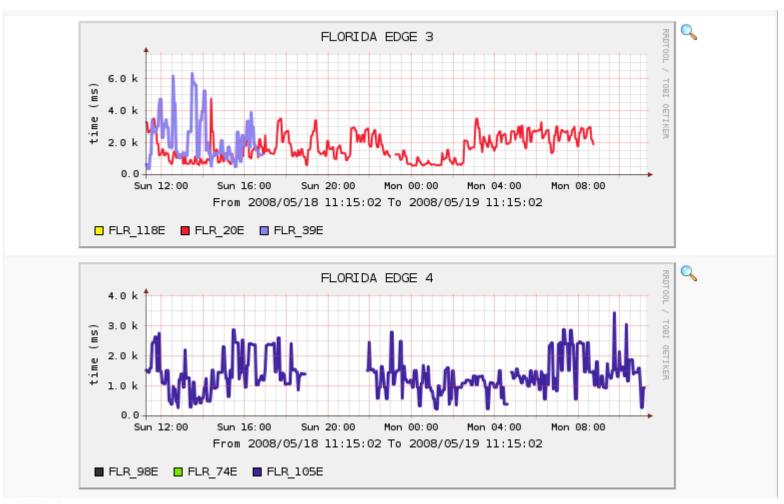
Update





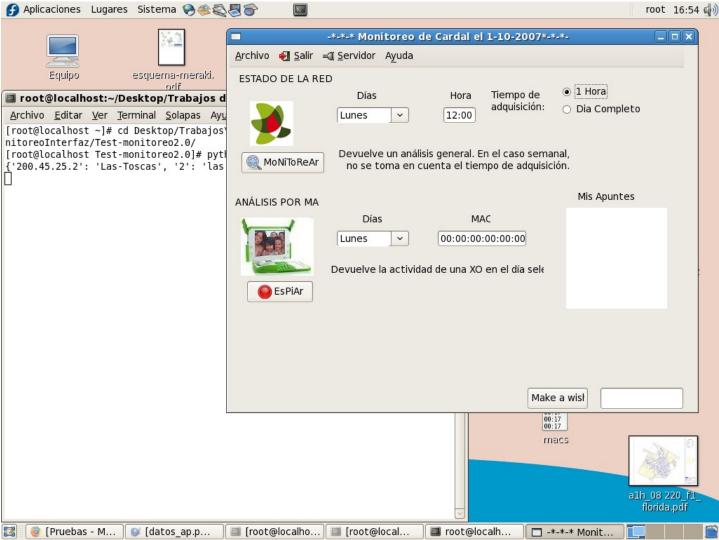


Special cases





Laptops monitoring software





Questions?

