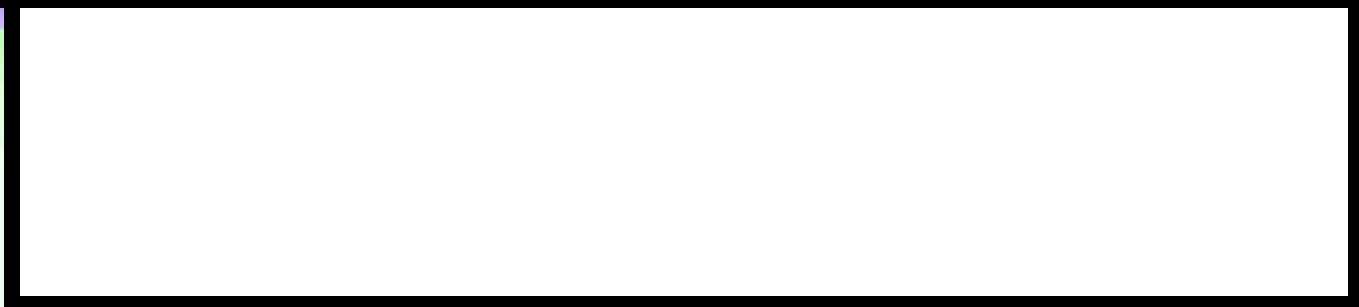




Building Campus Level Capacity and Infrastructure





Panel

- Chair: Isatou Secka Jah, MRC Labs Fajara, Gambia
- Rapporteur: Americo Muchanga, CIUEM, Mozambique
- Panelists:
 - Bob Hawkins, WBI-ATICS. Lessons for the future of campus networks in Africa
 - Albert Nsengiyumva, National University Rwanda. Capacity and infrastructure requirements from the NUR perspective
 - Ibrahim Niang, UCAD, Dakar. Capacity and infrastructure requirements from the UCAD perspective
 - Emmanuel Tonye, Cameroon University Network. Challenges in building the Cameroon University Network
 - Martin Belchior, INASP, Bandwidth Management



Main Issues

- Need to address the capacity building and staff retention issues:
 - Need to involve students in the process and give the students a leadership role
 - Continuous training program like work study
 - Need for user training so that they can service themselves.
 - Nurture communities of practice
 - Adopt incentive schemes to retain staff



Infrastructure

- Need to have better infrastructure for local network access as the building block.
- Need to understand fiber versus wireless implications in the campus networking
- Address the issue of power shortage
- Communities of practice to share expertise and knowledge about local area network development and to share these practices between universities



- Regulatory framework need to be addressed
- Need to have intra-university management information systems
- Leadership at the high level of the university involved in ICT development and management
- Appeal that we have to come out from this meeting with a clear plan of action



Bandwidth issues

- Not enough bandwidth and at very high costs
- Form bandwidth consortiums
- Form NRENs to share bandwidth and resources
- Deploy bandwidth management – 80% of campus traffic generally is not for education and research purposes