



AfricaConnect – the dream - the reality – milestones and progress

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for sub-Saharan Africa

The Dream....



- A research and education network in and for Africa
- Interconnecting all African NRENs with each other and to the rest of the world
- Exchanging African internet traffic in the African continent
- Allowing African researchers, scientists and students to communicate with the world without limitations of bandwidth
- Throttling the brain drain
- Support the Millenium Development Goals
 - e-Education
 - e-Health
 - Eradication of Disease through Research
- Today AfricaConnect upgrades and complements the already existing links from Africa to the UbuntuNet router in London



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Why we needed a Dream



- International R&E collaboration is increasingly Global
- Global means Global
- Over the last 4 years the number of non-EU countries reached by GEANT increased from 37 to 66
- GEANT's Global IP capacity increased from 32Gbps to 91.5Gbps



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The Dream receives funding

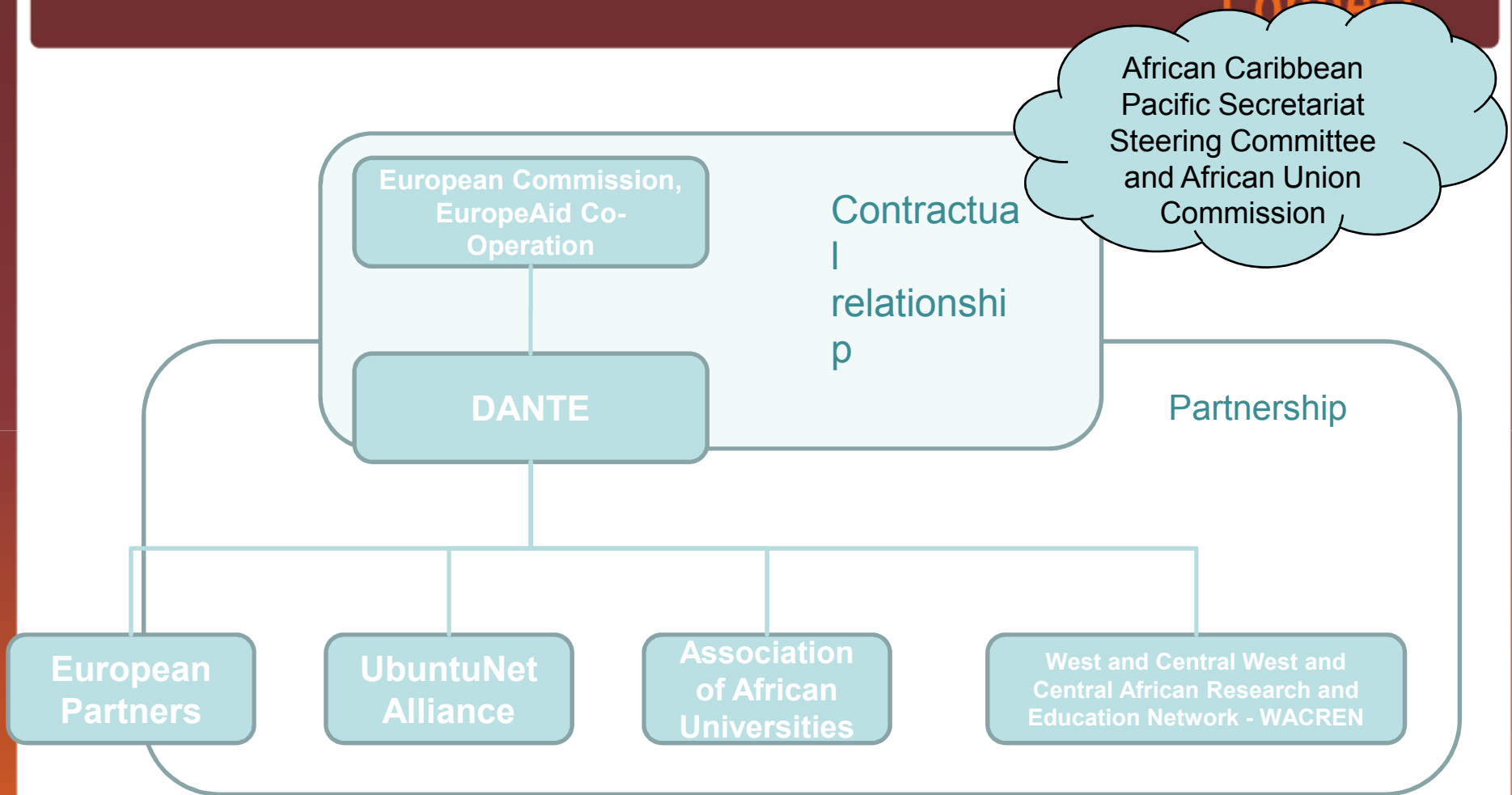


- AfricaConnect FED/2010/255139
- 4 year contract starting on 6 May 2011
- Total Value 14.75M of which Euro 2.95M African contribution
- Jointly managed between the UbuntuNet Alliance and DANTE



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The Structure



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Behind the scences – the People that make it happen - Ubuntu!



- Marco Sioli, DGDevCo
- Leo Flores, DGINFSO
- Thierry Devars, DGRelax
- Moctar Yedaly, AUC
- Dr FF Tusubira (Tusu), UA
- Joe Kimaili, UA
- Margaret Ngwira, UA
- Tiwonge Banda, UA
- Daniel Lete, HEANET
- Boubakar Barry, WACREN
- TENET team
- Cathrin, Tom, Phil and Julie
- UA Board of Directors and community
- XON and WIOCC



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From Dream to Reality... - Contracts Count!



- WIOCC Contract Signed!
 - Total Contract Value Euro 11.8M
 - To be paid over the lifetime of the Project Euro 6.6M
 - Contract to be NOVATED from DANTE to the UbuntuNet Alliance at the end of AfricaConnect, ie May 2015
 - IRUs for
 - *An unprotected STM-4 link between Mtunzini and Amsterdam, with drops in Maputo, Dar es Salaam and Nairobi.*
 - *An unprotected STM-4 link between Nairobi and Kigali, with a drop in Kampala*
 - *An unprotected direct STM-4 link between Nairobi and Mtunzini*



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More reality... more Contracts!



- XON contract Signed!
 - Total Contract Value Euro 2.2M
 - To be paid over the lifetime of the Project Euro 1M
 - Contract to be NOVATED from DANTE to the UbuntuNet Alliance at the end of AfricaConnect, ie May 2015
 - A Framework Contract for Equipment Call offs covering all roll-out phases for the UbuntuNet network
 - Juniper MX960
 - Auxilliary Equipment



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The Dream continues - Connectivity Phase 2



- Best and Final Offers currently requested with deadline of 15 November 2013 (Tomorrow!)
- Seeking capacity for the following circuit options:
 - Muanda or Kinshasa to Capetown
 - Blantyre / Lilongwe to Chipata or Blantyre / Lilongwe to Lusaka
 - Lusaka or Tunduma to Dar Es Salaam
 - Capetown to Windhoek
 - Lusaka / Chirundu to Johannesburg



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Back to reality... what else have we done



● Training!

- Advanced routing workshop (5 days) back to back with UbuntuNet-Connect 2012, November 2012 in Dar es Salaam, Tanzania.
- Advanced routing and Eduroam workshop (5 days) during April 2013 in Kampala, Uganda
- Network and systems administration workshops, and Wireless networking techniques tutorials during AfNOG conference in Lusaka, Zambia during June 2013.
- Train the trainers during w/c 9 November 2013 in Kigali



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And more ...



Operations

- The UbuntuNet network is operated by TENET on behalf of the UbuntuNet Alliance

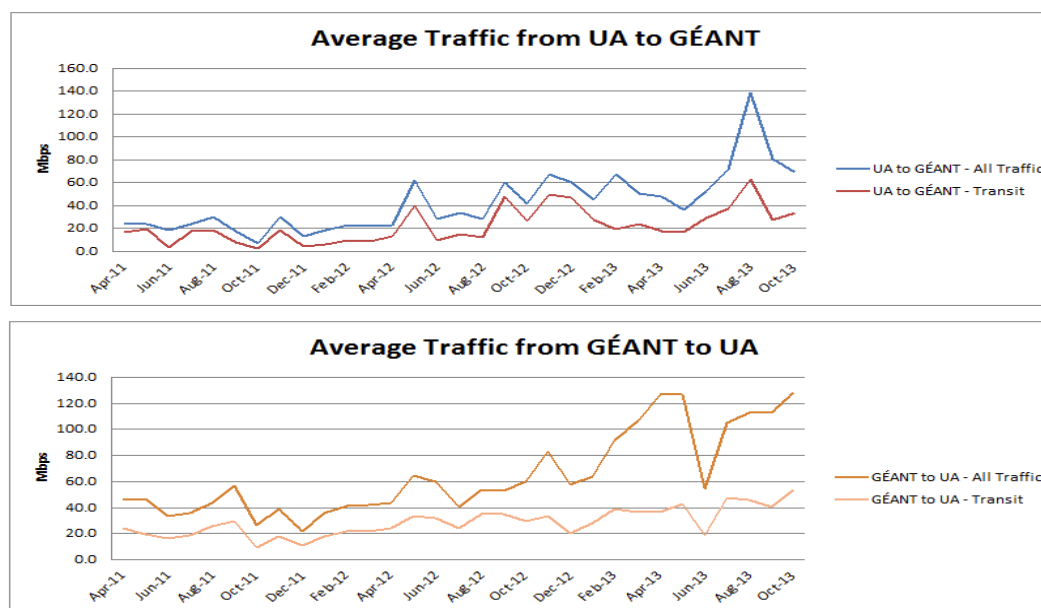
Visibility, Visibility

- Presentations on AfricaConnect and UbuntuNet in over 40 global R&E Networking events in the last 24 months – from Iceland to Samoa
- Website, Brochures, Video
- Nuance Newsletter



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Traffic is flowing and growing!



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Many thanks for your attention!

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