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Telecentres,,, Broadband 4 Marginalized & Underserved Rural Communities

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Speaking

- role of Telecentres in expanding the broadband to marginalized , disadvantage and underserved communities to facilitate and improve the ways of living
- Some global examples
- Dig deep in some example of GDCO
- Future of broadband in Telecentres
- How broadband helps in Sustaining Telecentres
- Challenges

Telecentre?

- What is a Telecentre?
- Types or Telecentres modules?
- Telecentre network? Win-win PPPP & multi-stake holders
- Main objective is to connect people equally and expand the broadband
- Telecentres develop many approaches to use broadband for rural area society inclusion especially
- Examples
- ITU and Telecentre.org foundation


13/09/2009

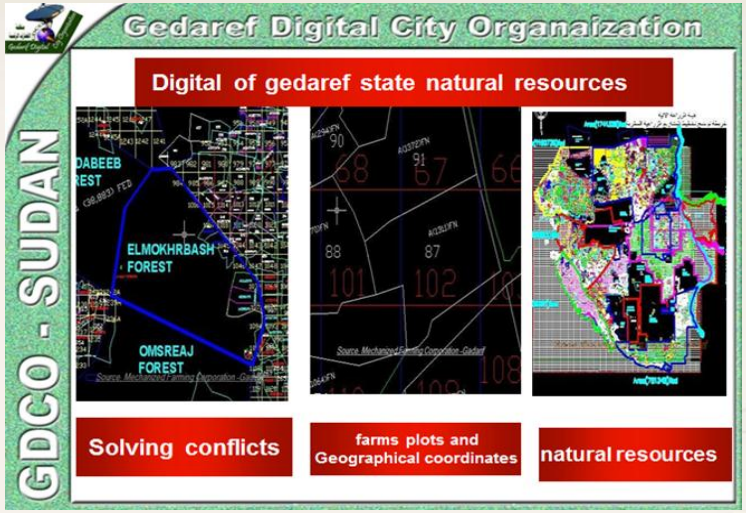
GDCO Sudan?

- part of Telecentre movement
- Mission
- Founded in partnership with DSE and 750 computers donated
- Winner of 7 i4d awards
- Founder of the first Telecentre academy
- GDCO works in PPPP and multi-stake holders to achieve the MDGs and we are engaged in the WSIS process by 2015
- iwrite4wsis to promote for the wsis process
- We are chairing the e-government process in Gedaref state .




agriculture

- Training and skill development of agriculture engineers which help GMAC in developing Gedaref national resources e-map
- this e-map also helps in solving the conflict between farmers, shepherd and forest through GIS (geographical coordinates)
- using broadband in disaster control (bird flu 2008)



Agriculture

- Broadband helps in sharing and transmitting data of 10.000 farm/farmers which speed up transactions between farmers & government (GMAC) which provides 16 significant agricultural reports
- Will provide even low computer skills or illiterate farmers with 6 e-services including online crop market to help farmers sell their crops online
- Water resources & grazing area discovery throughS

Disability

- GDCO provides the deaf free training & free computers to keep at home to communicate with each other, their families and friends
- helps them to communicate through e-mails and chatting instead of the sign language
- It reduces the time of training from 6 month to 21 days which save money and time
- It promote 4 the easiness of accessing internet

Deaf & UAE

Free Comp.

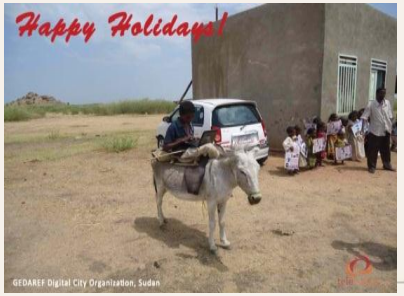
Deaf in UAE

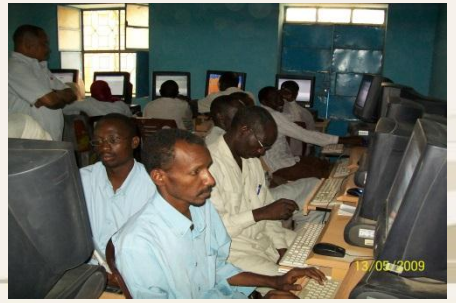
Soc. Inclusion

Intellectual

Others uses of BB

- women digital literacy campaign to train one million women 2013 (682.307 women trained)
- The global Telecentre academy courses
- Treating sick people online (telemedicine)
- Training medical staff and medical students online
- Supporting e-infrastructures for universities
- supporting e-government
- virtual classes and labs in remote rural schools by TEPS





Out school children

- in Sudan there are more than 3 million out of schoolchildren
- Drying the resource of illiteracy
- Reduce the cost and improve the quality of education
- Mobile charging with solar to increase number of people connected and increase internet penetration c




Future & Innovation

- **The portable Telecentre is the future and it represent the best innovation because**
- **In 25 square meters you can have a Telecentre which can be a tent, Rakooba or Gottia (local cheap building)**
- **With 10.000 US$ this Telecentre can provide training to more than 1000 people (15 laptops X 6 shifts X for 11 month = 990 people + 30 out of school children…**

in addition

- Agriculture extension
- Basic health care and telemedicine
- Charging mobiles
- Illiteracy eradication
- Poverty elimination (future employment, health insurance, books)
- discover grazing and water area through GIS by nomads
- solving conflict (geographical coordinates)
- Skype to reduce the cost of telephone bills
- Telecentres can be used as IT Clubs

Sustainability

- 25% of the telemedicine unit income for GDCO and 75% will be used to improve the services of the unit
- 40% from the telecommunication companies for each SMS or mobile calls in the agro-mobile services
- Charging mobiles




Challenges

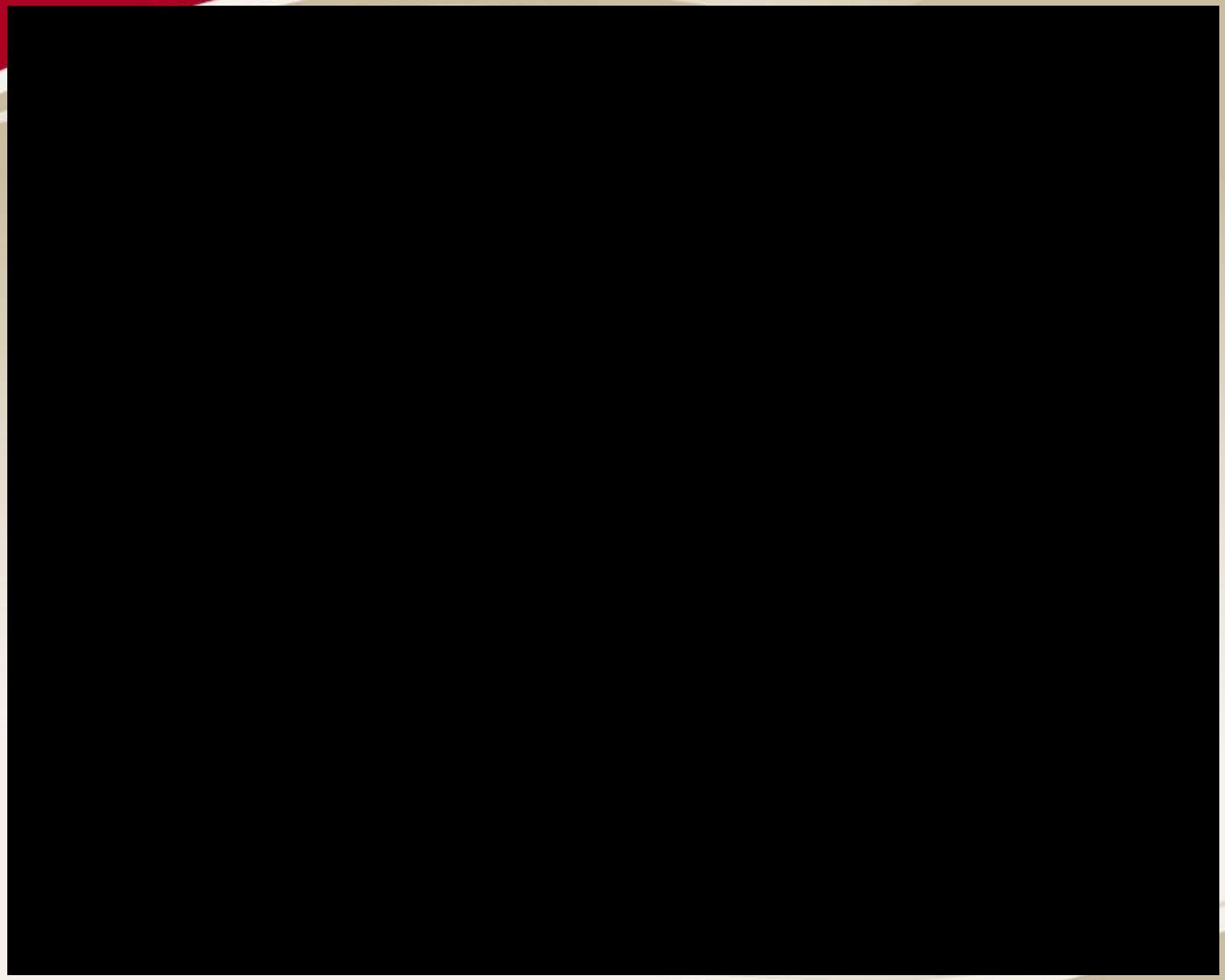
We still have a problem to establish most of our projects and application specially the agro-mobile services and the portable Telecentres because we are facing many challenges

- **ICT is not part of the culture and not a priority and this can be solved by continuous training with a running cost price**
- **Poverty & big digital divide in developing countries this can be solved by developing win-win PPPP and a multi-stake holders work together**

Challenges

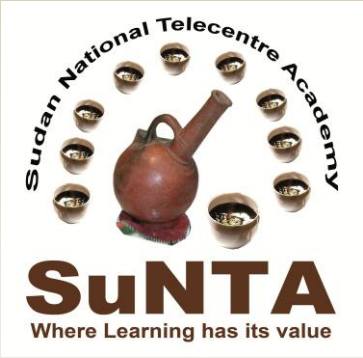
- **The big challenge is that the Children in out of school they are supposed to bring the water in the morning from the river or the wells and later they go with their animals and in the evening do milking so there are limited numbers or sometimes no students in the class so we are thanking for an e-water tanker and e-shepherd to help those kids so they can be available.**
- **High cost of e-infrastructure, high government taxes and Power supply and this can be solved by reducing taxes and solar energy supply**
- **Curriculum development**

IDEA



Thanks

- If like the idea Please be part of the Telecentre movement & share



- Also, please be part of the WSIS process and

write4wsis

Thanks Again