Role of Telecentres e-Agriculture

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Telecentre?

- Telecentre is a public place
- Telecentre.org is the initiative of?
- Telecentre.org foundation is strong win-win PPPP
Global Telecentre Movement Network

Network of 87534 Telecentres, 76 national Telecentres network in 52 countries and 6 regional networks

http://community.telecentre.org/profile/AH MED
Telecentre academy TCA

- TCA is global network of trainers & mentors
- Courses and skill you needed are online in your language and in your local Telecentre
- Courses are available all year long
- TIS TALK
Gedaref Digital City Organization
GDCO Sudan

- It is part of the Telecentre movement chaired by Microsoft
- It is founded in partnership with DSE Netherlands
- Winner of 7 international ICT4D awards
- DSE donated 750 computers to GDCO and many e-projects were developed

e- India 2007 award

e- India 2008 award

e- India 2009 award

eWorld 2011 award
GDCO Sudan

- GDCO is a win-win PPPP sharing knowledge, experience and best practice.
- Founder of 1st Telecentre academy in Africa, Middle East and 13th in the world (SuNTA) 2008
- Member of UN-ESCWA knowledge network for marginalized community

10,000 US $ award

Best Telecentre album 2011 Philippines

Sudanese best NGO ICT award 2011
Gedaref state is eastern Sudan and Gedaref mechanized agriculture corporation GMAC is the biggest mechanized rain fed agriculture scheme in Sudan and it grows 8 million acres (big farmers).

- This not include 10 million acres for small farmers
- Also not include 5 million acres grazing (national pastures) area
- So lot of work is needed

Gadarif silo the biggest in Sudan
Traditional & common houses
Gedaref state @ eastern Sudan
e-Agriculture project Objectives

- Agriculture development through ICT
- Monitoring agricultural resources from being depleted or eradicated
- National and global online crops market
- Exchange of Knowledge and best practices
- Improve the quality of training
- Monitoring farms from any place through satellites
- Achieving the 8th millennium developments goals (8MDGs)
Implementation (tools)

- Establishing Telecentres in GMAC @ Farmers unions
- Developing software for GMAC
- Website for crop and animal prices
- Collecting information from the internet
Achievement

- Training, capacity building and ICT skill development for GMAC staff, their families and farmers
- Training 30 agricultural engineers GPS - GIS & AUTOCAD
- Developing Gedaref state national resource e-map by GMAC staff which save a lot of money
- 16 agricultural reports in few minutes (crops, rainfall, sowing date)
- Quick transaction between GMAC and farmers
- Solving conflict (farmers, shepherds and forest)
Developing software for 10,000 farmers/farm @ GMAC
16 agricultural reports

20 sectors (Areas)
Achievement (e-Map)

Gedaref State National Resources e-Map

- Gedaref State Natural Resources Map
- Farms plots with Geographical coordinates
- Solving conflicts Farmers, forest, Sheppard
Achievement

- Daily crop and animal prices are available online to framers & traders
- Using internet (ICT) for disaster control (Bird Flu and Ebola)
- Possibility of grazing area and water resources detection
- Reduction in the cost of agricultural planning and determining of the geographical coordinates (demarcation)
- Development of strong partnerships PPPP to support community services
The future of e-agriculture?

- Agro-mobile services (Drishtee India)
- EasyFarmer or cloud computing for low computer skills or illiterate farmers (raising floor and Wisconsin Uni.)

http://easy123.org/sudan/
How these services will be provided in the future?

http://gdco-sunta.org/
Challenges

- ICT is not part of the culture and not priorities in many developing counties
- Resistance to ICT changes & and application in senior staff
- Big digital divide (gap)
- High cost of broadband and e-infrastructure specially power
- Security risk and hackers
- Distances and geographical barrier in rural area
Portable Telecentre (future)?
We work on MDGs & we will continue 4 SDGs