

## Building on Geospatial Information Capacity for Sustainable Development in Africa

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SDI Development..../2



- Gradual implementation of unified African Geodetic Reference Frame
- Contribution to Global Mapping & WHO's SALB
- Committed participation in the UN Global Geospatial Information Management (GGIM) Initiative
- Preparation of Guidelines & Best Practices for the Acquisition, Storage, Maintenance and Dissemination of Fundamental Geo-spatial Datasets [in progress]































Existing Human Capacity Development Institutions & Organisations....



- Universities and Polytechnics offering courses at diploma, first degree and postgraduate levels – e.g. 13 Universities offering Surveying & Geoinformatics education in Nigeria apart from many more Geography departments running RS & GIS postgraduate education.
- Organisations/Professional Networks that regularly organise conferences and workshops such as: AARSE, EIS-Africa and African Leadership Conference on Space Science and Technology; also such national networks.



- Regional Centres: RECTAS (a bilingual Centre English & French, offering education and training programmes at technical and postgraduate levels), RCMRD (short-courses & project training), AOCRS (networking), ACMAD (weather-related courses/projects), ARCSSTE-E (postgraduate courses in SST [English]), CRASTE-LF (postgraduate courses in SST [French]), AGRHYMET (short-courses/project training in French);
- National specialised institutions offering regular and/or shortterm training programmes in GI, such as: CRTS (Morocco), CSE (Senegal), CERSGIS and Ghana School of Surveying and Mapping (Ghana), Federal School of Surveying (Nigeria)



## BUT....

## ..... there are challenges!!!!!

Although human capacity in geoinformatics is improving in Africa but the quantity, quality and utilisation are still low due to a lot of challenges



























Proposals for building on existing capacity.../4

- Involvement of indigenous private sector in the production and management of geospatial data through job outsourcing and public-private sector partnerships to create job opportunities for fresh graduates.
- Encouragement of utilisation of regionally owned communication satellites through special pan-Africa price regime to contribute to appreciable increase in the density as well as the bandwidth of Internet services for efficient delivery of web-based education and e-Learning.

