

GEO Advanced Communications Infrastructures and Services (ACIS)

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Virtual Workshop on Collaboration
between AfriGEO & AfricaConnect3

Public

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NRENs – A Global Communications commons

- We need sustainable internet to transfer data used in support of GEO. Otherwise it becomes very expensive and scientific collaboration and economic development suffer.
- The data used in GEO initiatives passes across the global R&E networks such as:
 - Copernicus
 - EUMETCast
- NRENs work collaboratively to help move this data and provide services in support of the aims of GEO.



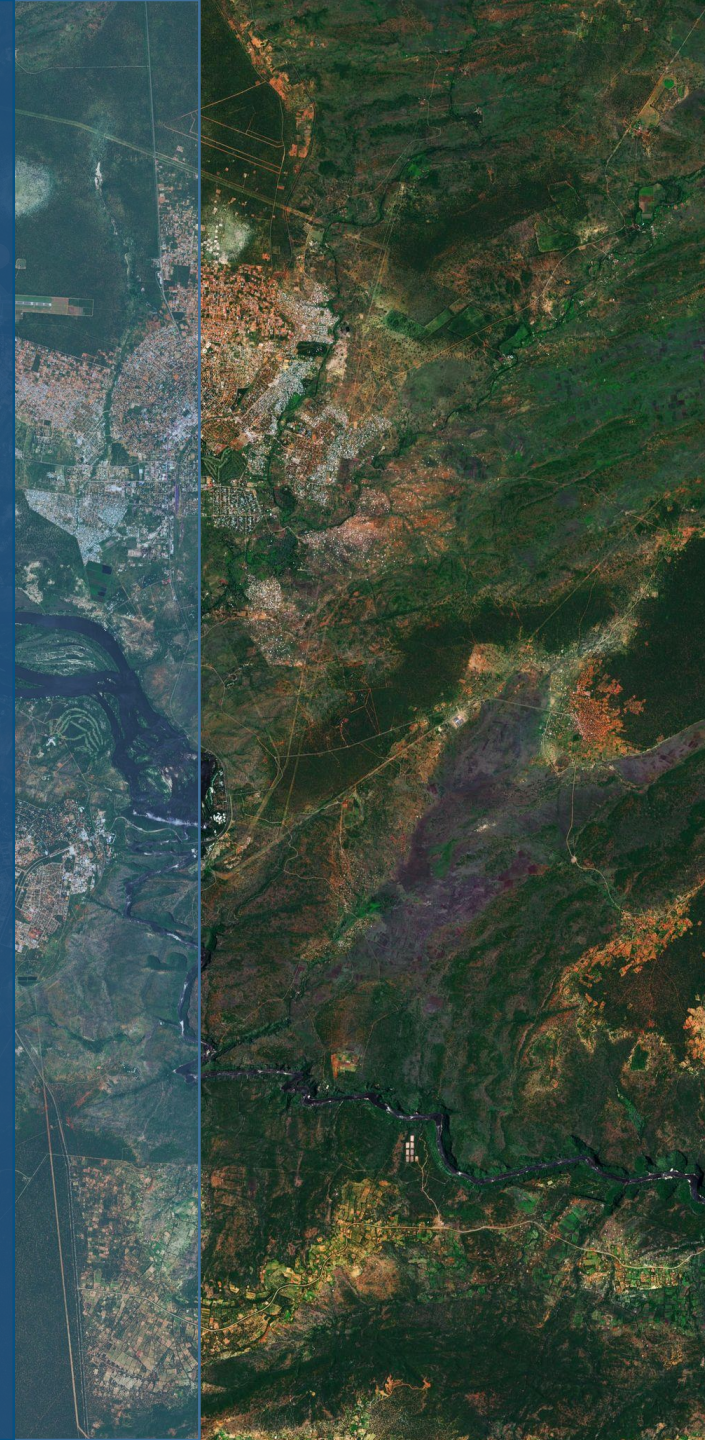
ACIS in the context of GEO

- ACIS is a collection of NRENs & other parties from around the world who are part of GEO
- We support the aims of GEO and support the flagship programmes and initiatives by promoting sustainable infrastructure and services.
- We align members from respective regions to be responsible for interacting with their regional GEO caucus.
- We help each other achieve our collective goals
- Our team has a number of objectives including investigating new technologies, infrastructure services and providing services to GEO flagship programmes and Initiatives.



Our Successes

- EUMETCast to RCMRD and SANSA
- Pilot of eduroam and eduGAIN at WMO site in Brazil
- Survey work supporting GMES & Africa
- Upgrading the Copernicus dissemination link to 100Gbps
- Integrating eduTEAMS into the NextGEOSS project (part of EUROGEO) to allow access to academic federated identities (eduGAIN)



What's Next

- Bella cable to Latin America in support of Copernicus and AmeriGEO
 - Connecting four sites around Latin America in Brazil, Chile, Argentina and Columbia.
- GeoLab Initiative
 - GÉANT has been given access to a spare fibre pair on the EllaLink cable out of Madeira which is being made available for scientific use. This will act as a giant microphone along the sea bed and will be the first such system in the world offered permanently for research.
- GMES & Africa
 - AfricaConnect3 continuing its work to connect up the remainder of the 12 institutions (2 achieved so far).



Thank you

Any questions?

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