Priority 3: COOPERATION

Theme: Water security for peace and development.

Session 3E1: « Satellites and Water Resource Management: Towards a Revolution? »

THE CICOS EXPERIENCE

Presented by
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SECRETARY GENERAL

Dakar, 24th March, 2022
1. Context

2. Spatial Altimetry technology within the Congo Basin

3. Messages

4. Conclusion
Map of the Congo Basin
1. Context

Creation of CICOS in 1999
Accord 1999

Additif 2007

Mandates

Promotion of Inland navigation  IWRM
1. Context

• Limited capacity for monitoring natural resources (water, forest and biodiversity)

• Reduction of the number of in situ stations

• (SIBCO) Congo Basin Information System with a Water Information System as an integral component
2. Spatial Altimetry technologies within the Congo Basin

Ongoing Spatial Altimetry Projects in CICOS:

- Pilot Project on IWRM and Water Information Systems for Climate change adaptation in the Congo Basin (AFD and FFEM Funded).

- GMES & Africa (UA / UE Funded).
2. Spatial Altimetry technology within the Congo Basin

1300 Virtual stations (Jason, Sentinel 3A and 3B) monitor more than 100 water bodies
3. Messages

- From hydrometeorological data to user friendly information
- Ownership by member States and R/LBOs
- Sustainable water financing
4. Conclusion

• Dynamic, cost friendly and effective, low maintenance rate, free and unlimited access

• Complementary in character

• Reliable after calibration with in situ data

• **CAN HARDLY** replace robust **IN SITU STATIONS**.
THANK YOU FOR YOUR KIND ATTENTION