CICOS
Commission Internationale du Bassin Congo-Oubangui-Sangha

WORLD WATER FORUM 9

**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**

# Presentation Outline

1. Context
2. Spatial Altimetry technology within the Congo Basin
3. Messages
4. Conclusion

# Map of the Congo Basin

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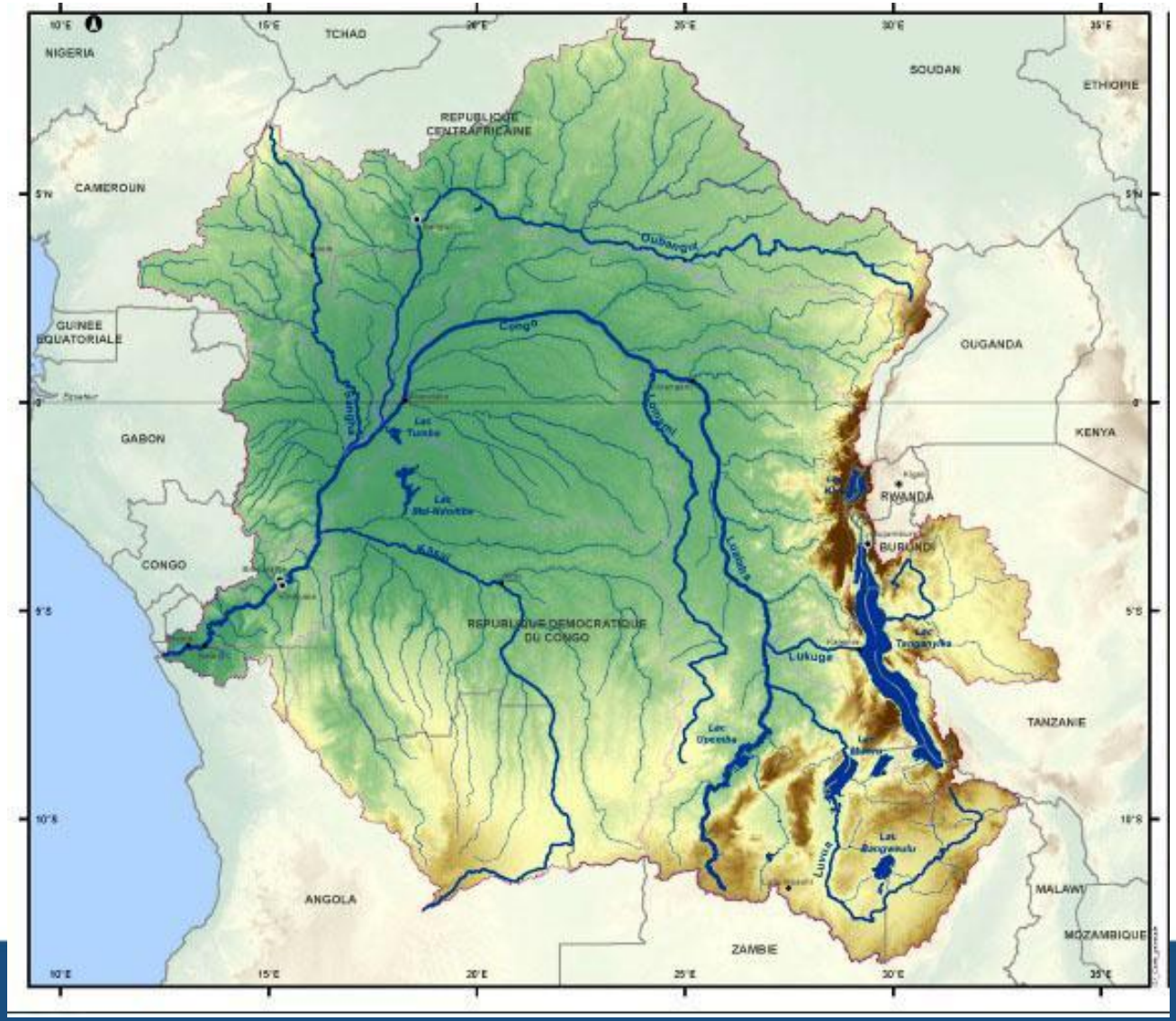

# 1. Context

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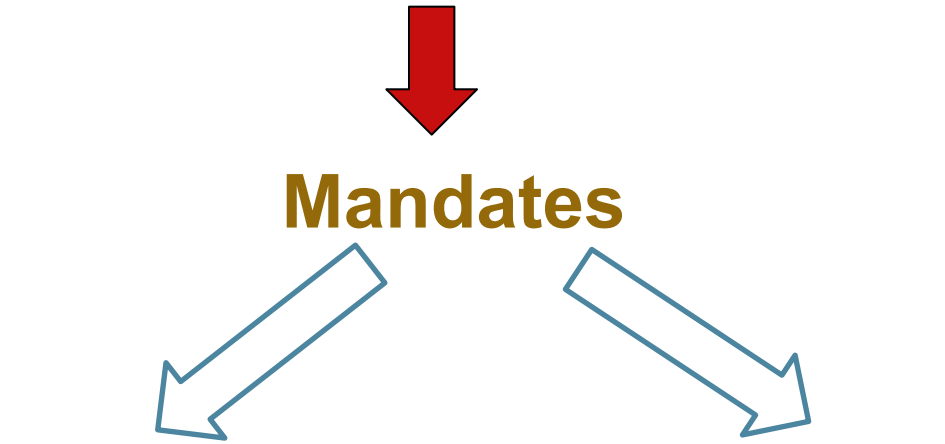
**Creation of CICOS in 1999**
**Accord 1999**

**Additif 2007**



# 1. Context

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- **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

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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

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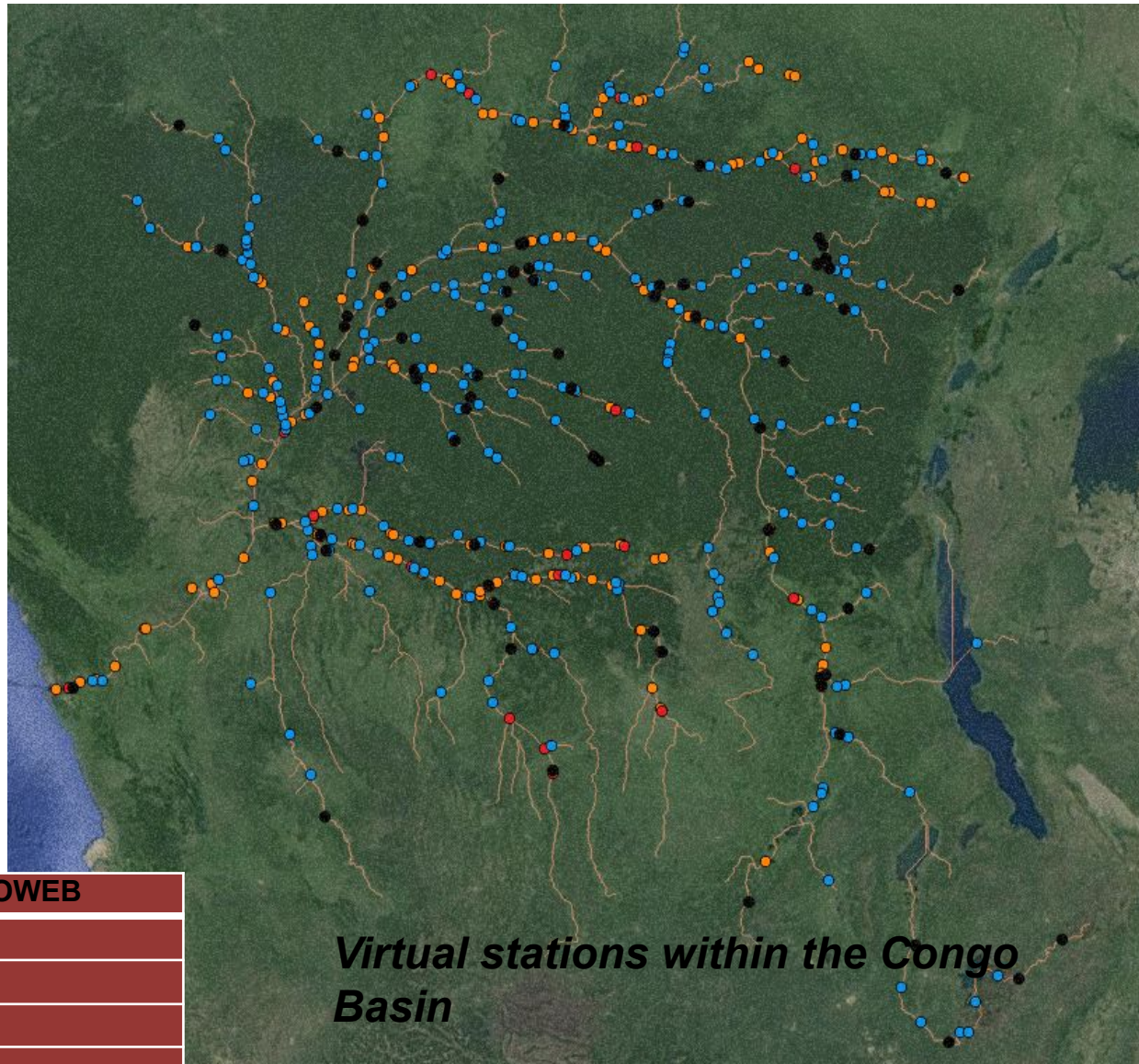
**1300 Virtual stations (Jason, Sentinel 3A and 3B) monitor more than 100 water bodies**



*Virtual stations within the Congo Basin*

| Total number of virtual stations (VS) HYDROWEB |
| --- |
| No of operational Sentinel-3A VS (in bleu) |
| No of operational Jason VS (in black) |
| No of Jason 2 SV (in red) |
| No of Envisat VS (in orange) |

# 3.Messages

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

# 4. Conclusion

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- **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**.

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# THANK YOU FOR YOUR KIND ATTENTION