



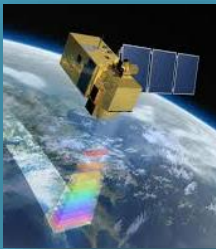
# Urban Wetlands:

## A satellite perspective on wetland monitoring and assessment



Urban wetlands benefit us with many services:

- Provisioning services: Water supply & storage, fishing & hunting
- Regulating services: Flood control, climate regulation
- Supporting services: Biodiversity, habitat nursery
- Cultural services: Aesthetics, recreation, tourism



Despite their value, urban wetlands are under threat and needs protection to maintain ecosystem services on the long term.

Earth Observation data can provide decision makers and practitioners with the reference information needed to adapt and modify wetland conservation and restoration plans.



The European Earth Observation Programme Copernicus offers an unprecedented land surface monitoring capacity providing wetland managers with free and open satellite data which can be used to monitor and assess (urban) wetlands.

The open source GlobWetland Africa software toolbox provides users with the necessary methods and tools needed to make the best use of Copernicus satellite observations for wetlands inventory, assessment and monitoring.



Central to the GlobWetland Africa Toolbox is a unique set of tools to create maps for accurate predictions of wetland status and trends, and supporting wetland management decisions by answering questions such as:

- What is the wetland extent and how has it changed over time?
- How does the inundation regime change within and between years?
- Is the wetland under threat from urbanization, agricultural encroachment and/or aquaculture development?
- Are there any signs of water quality deterioration e.g. eutrophication or large sediment loads?



For more information please visit:  
[www.globwetland-africa.org](http://www.globwetland-africa.org)

