

## Identifying African climate service needs through the KADI project

**Theresia Bilola** (theresia.bilola@icos-ri.eu ICOS ERIC); **Matthew Saunders** (Trinity College Dublin); **Emmanuel Salmon** (ICOS ERIC); **Rebecca Garland**; **Marisa Gonzalez** (University of Pretoria); **Coleen Vogel**; **Yolandi Ernst** (GCI-WITS); **Tommy Bornman**; **Gregor Feig**; **Nolusindiso Ndara** (NRF/SAEON); **Abdirahman Omar** (NORCE); **Niina Käykhö**; **Venla Aaltonen** (University of Turku); **Patricia Nying'uro**; **Joyce Kimutai**; **Christine Mahonga** (Kenya MET Department); **Jörg Klausen** (MeteoSwiss); **Veronique Youboue**; **Money Guillaume Ossouhou**; **Alima Dajuma** (UFHB).

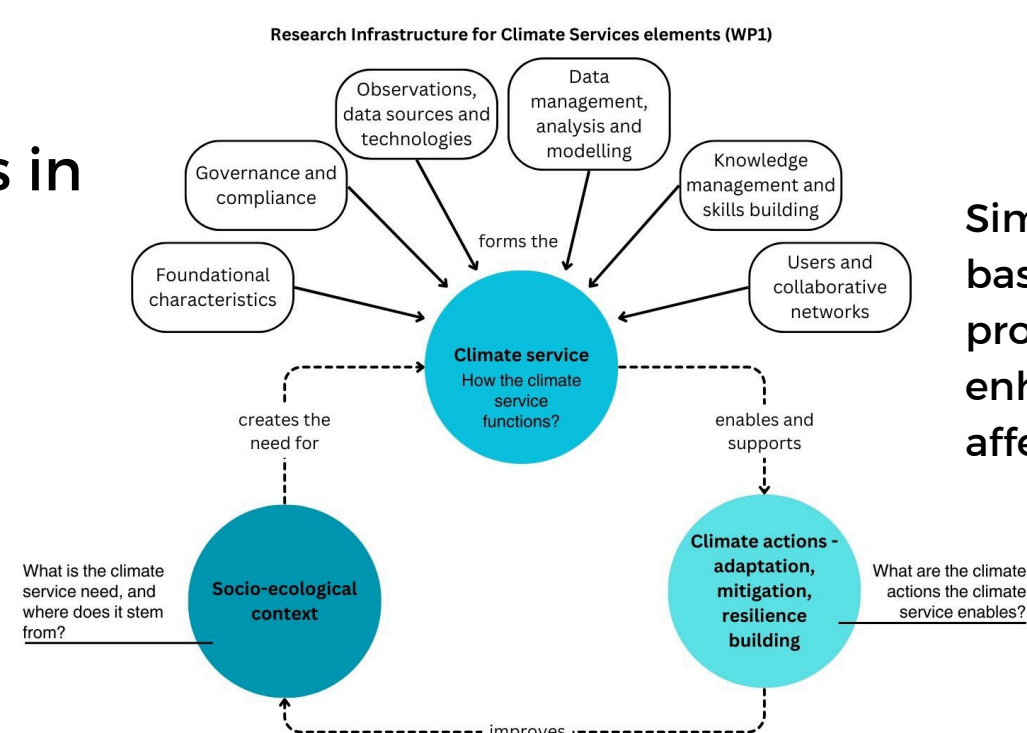
### Background

The KADI (Knowledge and climate services from an African Data and research Infrastructure) project co-designs services that address the needs of African stakeholders and improves the science base needed to support them. This is achieved by a dense networking and knowledge exchange activities connecting to all important players on the global, continental, national, and local level. Here we focus on the rationale for knowledge exchange, the approaches in KADI, lessons learned, and the areas for development identified so far.



### What do we mean by Knowledge Exchange?

- Maximise visibility to support standardization, exchange of data & approaches
- Training events for early career researchers in Africa
- Stakeholder engagement - identify, engage and collaborate with stakeholder champions
- Map climate-related courses offerings in Africa



Simple system map of a needs-based climate services that promotes climate actions to enhance socio-ecological contexts affected by climate change

### Key takeaways

- Climate education in African universities focus more on **adaptation than on climate science**
- Online training **enhances access**
- RI involves **both soft and hard infrastructure**, reflecting social and cultural aspects in Africa's fast evolving science and urban environments
- There is a need for **mentorship programs** within Africa and with international partners
- There is a need for a community of practice to ensure **implementation, impact and sustainability**
- Encouraging **collaboration among African countries** would enable development of **country-specific data, reducing reliance on generalized models**