EKADI

Greetings from KADI workshop with stakeholders in July 2024 – Climate service challenges and needs

KADI Annual Meeting | 15.10.2024 Venla Aaltonen (voaaal@utu.fi)

Workshop: "Validating African climate service and research infrastructure needs and challenges"

Identify challenges and needs when working with climate services, climate adaptation, mitigation and resilience building on different sectors

54 experts

July 1st in English | July 8th in French





Climate services in Africa: Challenges and needs (1/2)

Data accessibility

- (Open) access to observation, monitoring and measurement data
- Availibility and existence of needed climate data

Other data-related challenges

- Lack of data infrastructures
- Inadequate spatial and temporal coverage, and standardised data products

Human capacity

- (Technical) capacity for observations and infrastructures
- Sufficient staff to maintain operations

Technical resources

- Small community of instrument suppliers
- Access to digital tools



Climate services in Africa: Challenges and needs (2/2)

Stakeholder engagement and communication

- Too little stakeholder engagement
- Insufficient involvement of local authorities
- Fast, appropriate communication of results

Standards and policies

- Limited calibration and meteorological support
- Absence of central organisation
- Ineffective coordination of climate services

Funding

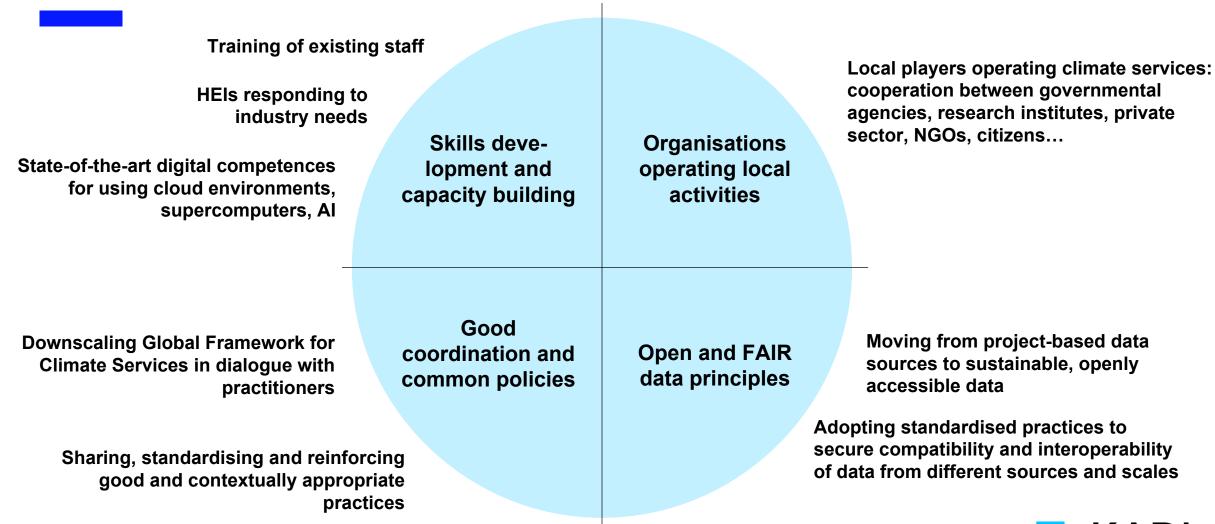
- Long-term financial support for observational networks
- Equipment costs
- Implementation and maintenance costs (e.g. human resources)

Sustainability

- Maintenance of the network
- Service sustainability



Needs for the future (pan-African research infrastructure)





Expert perspective highlight

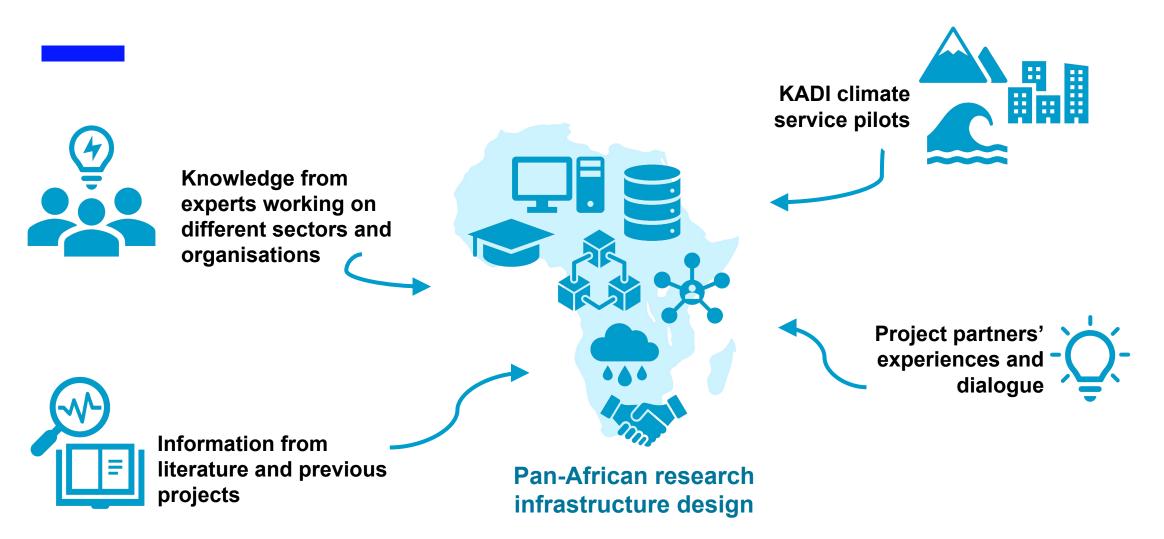
"From my experience one critical challenge with climate services is lack of effective coordination at country level, both on horizontal level between climate service providers, and vertically between national, subnational and the user community levels.

Some countries do have National Frameworks for Climate Services, but some don't. Nonetheless, lack of proper implementation of user interfaces, lack of flexible outreach mechanisms, ineffective usage of climate services such as early warning services, and absence of impact monitoring systems can be seen in all countries.

One good strategy to start building common climate service policies is to downscale the Global Framework for Climate Services to national frameworks **with solid inclusion and communication strategies towards climate service producers, researchers, and user communities**."



To recap...



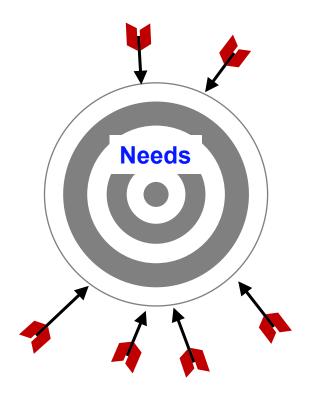


Needs-based solutions

Moving forward from climate service needs...

...to find solutions that can be integrated to a pan-African research infrastructure design

...that provides truly useful resources for researchers and experts working on application fields





KADI research infrastructure design



Thank you!

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