

LIBSENSE – An African Framework for Sustainable Open Science

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LIBSENSE

STRENGTHENING OPEN SCIENCE IN AFRICA

LIBSENSE

(**Library Support for Embedded NREN Services and E-infrastructure**)

Pan-African Library - NREN collaborations around Open Science at the Institutional, National and Regional Levels:

Goals:

- Support cultural change
- Provide technical support
- Build capacity
- Develop value-added services



LIBSENSE

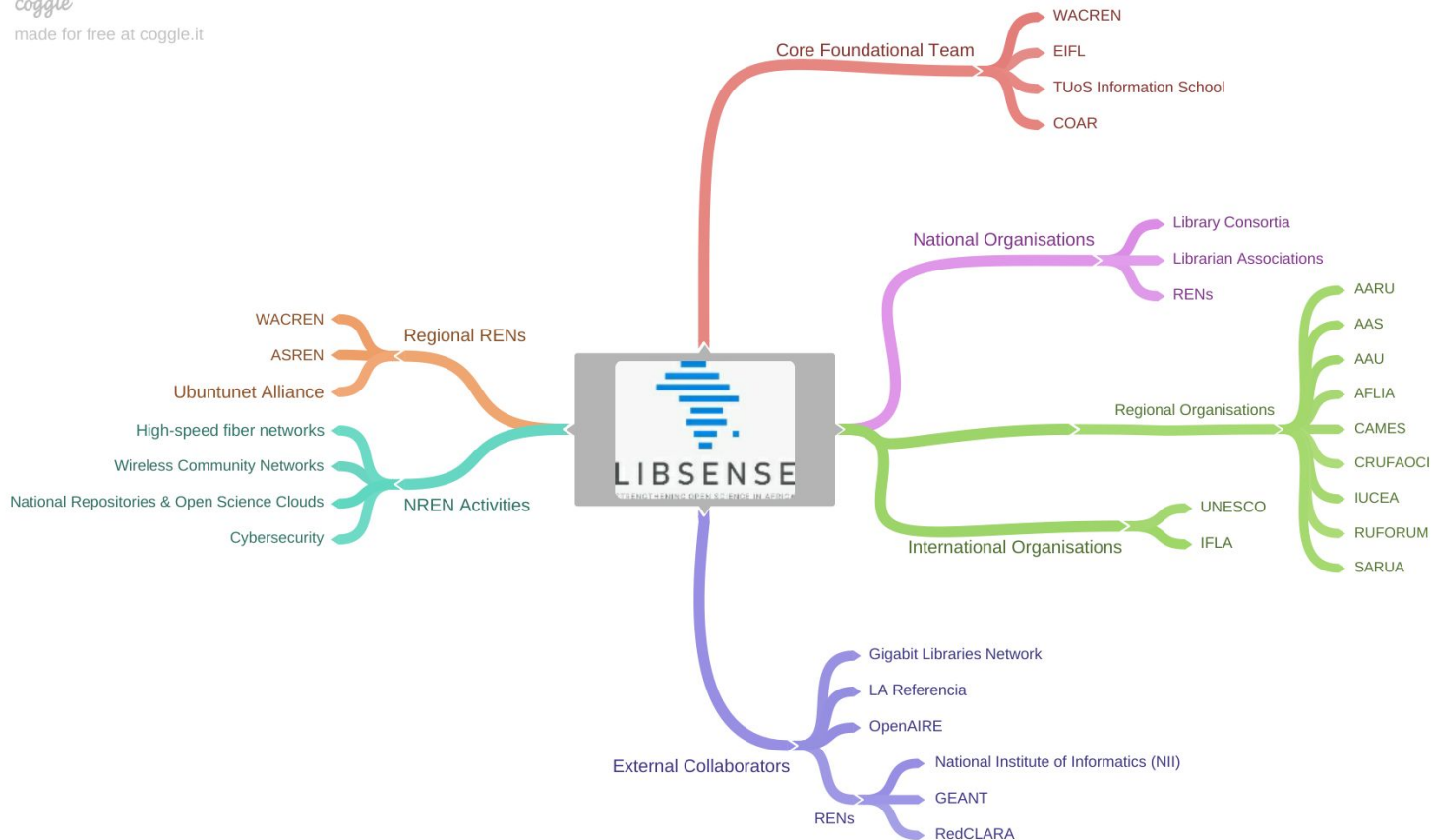
STRENGTHENING OPEN SCIENCE IN AFRICA



Partners and Networks

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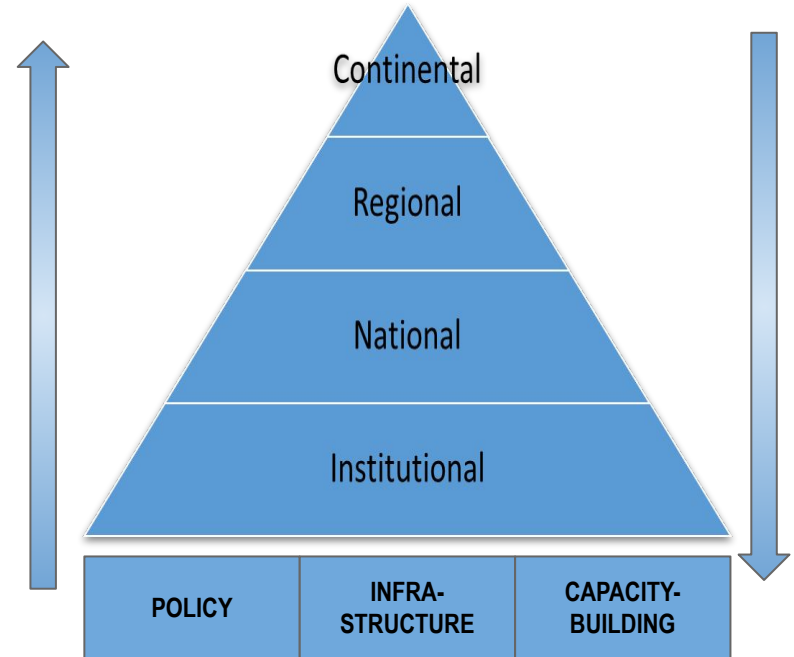
LIBSENSE – Strategy & Organisation

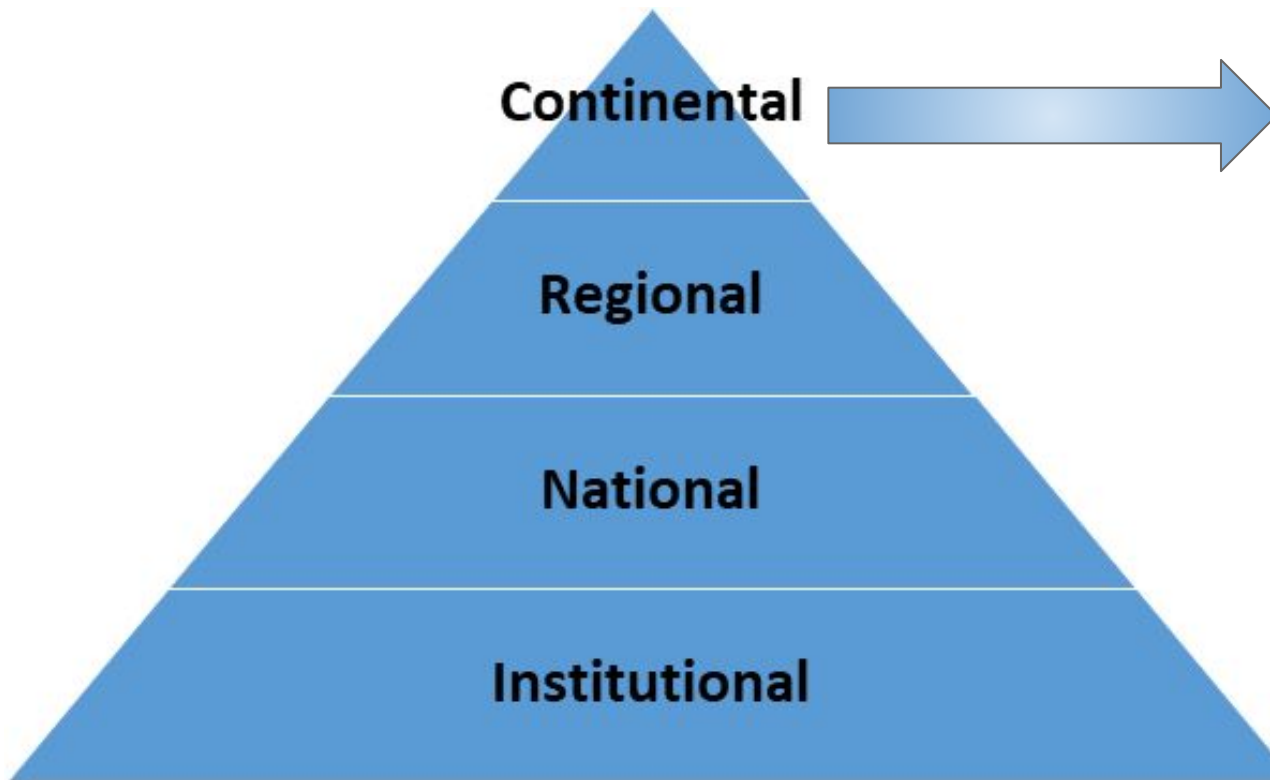
Overall Strategy:

- Building communities of practice
- Strengthening local and national services
- Bottom-up, distributed, heterogeneous
- Inclusive -
 - 3 Working languages, Arabic, English and French
 - Indigenous and traditional knowledge

Three Pillars:

- **Policy:** open science policies, governance and leadership
- **Infrastructure:** open access journals, repositories for publications and data and open discovery services
- **Capacity-building:** communities of practice and training





POLICY - Roll-out of Open Science roadmaps across the continent, ensuring African priorities are maintained

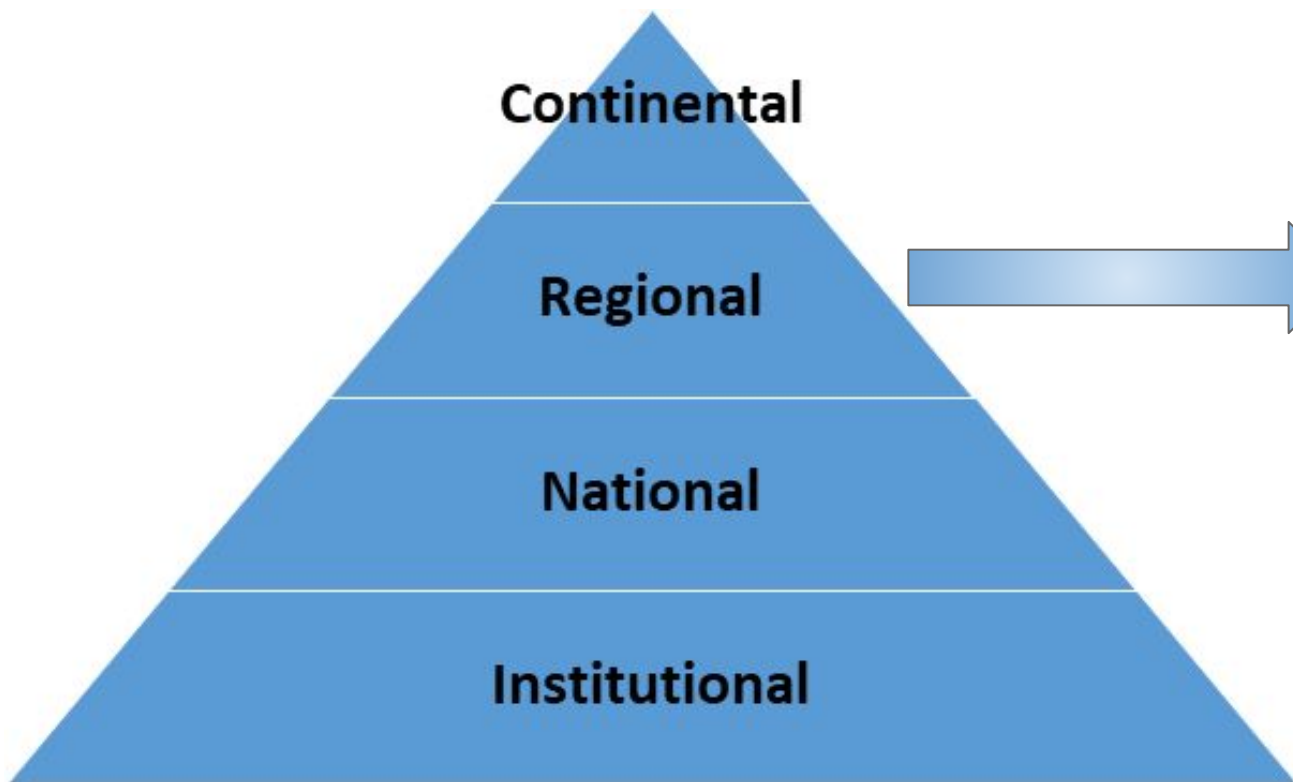
INFRASTRUCTURE - Open Science services and platforms

CAPACITY-BUILDING - Strengthening African expertise and know-how in Open Science across Africa

Key Activities/Collaborations:

- UNESCO Open Science Partnerships - [Open Science Africa: Principles and Actions for Global Participation](#)
- Continental Shared Agricultural Data and Publications Platform with RUFORUM (regional, multi-institutional level)
- Pan-African Identity and Access Management Federation (eduID.africa) for secure access (continental level)

Strategic pillars and example activities/collaborations at the Continental Level



POLICY - Aligning Open Science policy at the regional level leveraging regional HE associations

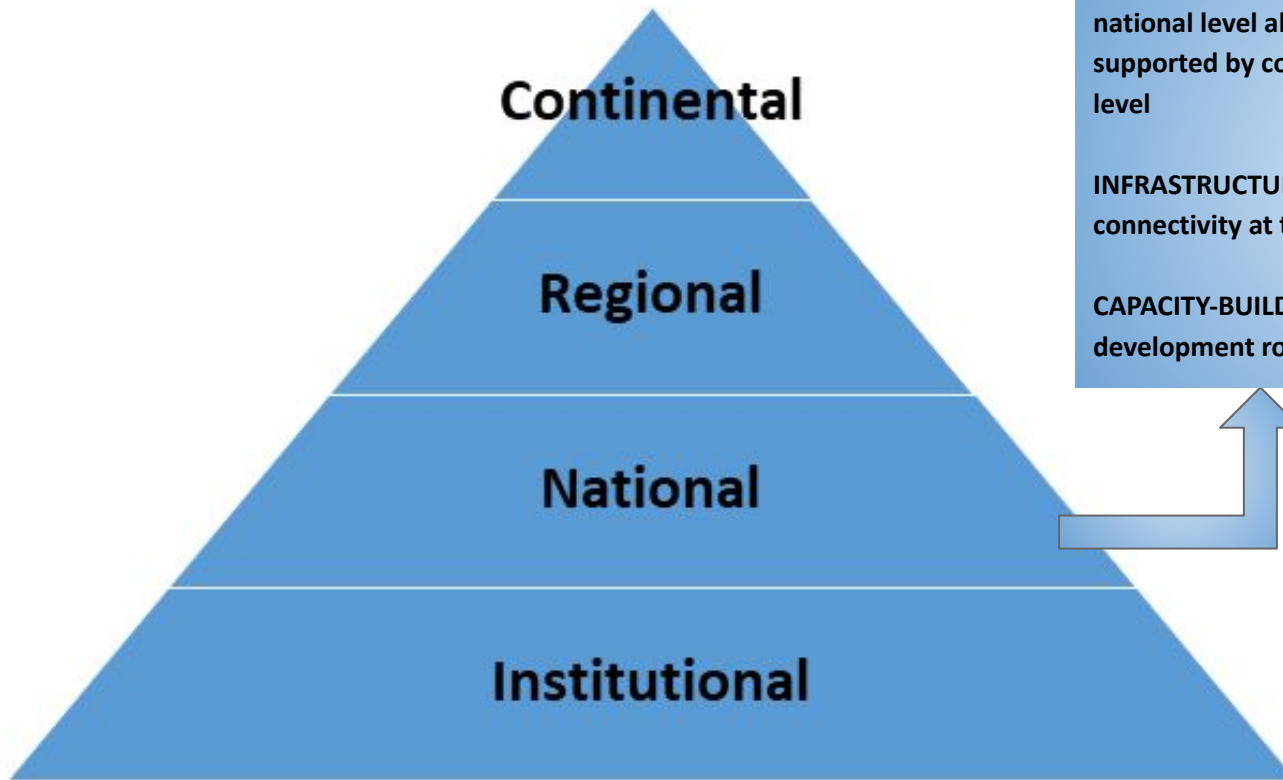
INFRASTRUCTURE - RREnS aggregating knowledge on what works best and disseminating best practices, monitoring uptake of services and capacities at the regional level

CAPACITY-BUILDING - regional workshops, knowledge building and sharing

Key Activities/Collaborations:

- Capacity-building workshops – skills profiles webinars, open access publishing, research data repositories and repository interoperability, persistent identifiers
- Early Career Researcher training
- Harvester for discovery of Arabic content.

Strategic pillars and activities/collaborations at the Regional Level



POLICY - Open Science policy development at the national level aligned across Africa and globally and supported by community efforts at the institutional level

INFRASTRUCTURE - Supporting digital services and connectivity at the institutional level

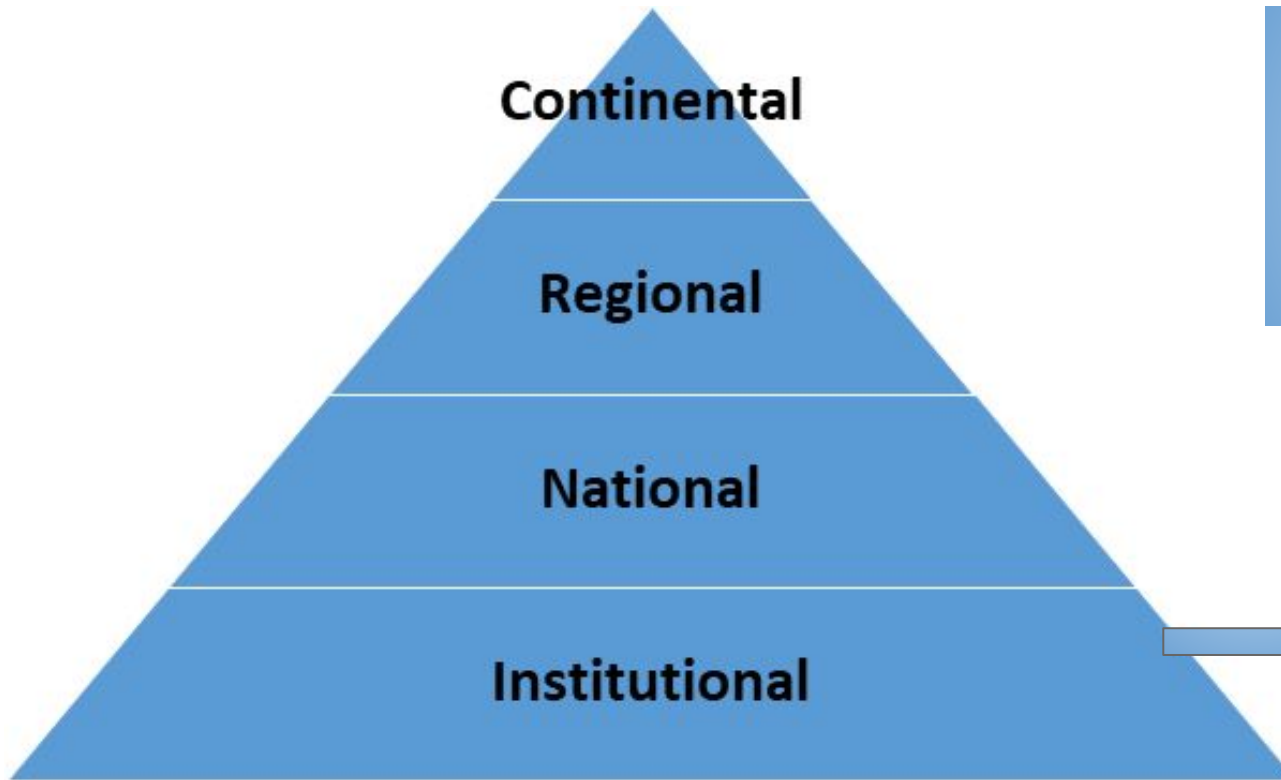
CAPACITY-BUILDING - training and skills development rolled out across the country

Key Activities/Collaborations:

National Open Science Roadmaps - Côte d'Ivoire, Ethiopia, Ghana, Lesotho, Mozambique, Nigeria, Somalia, Tanzania and Uganda

National shared open access repository and publishing platforms - Benin, Burkina Faso, Côte d'Ivoire, Nigeria and Uganda

Strategic pillars and example activities/collaborations at the National Level



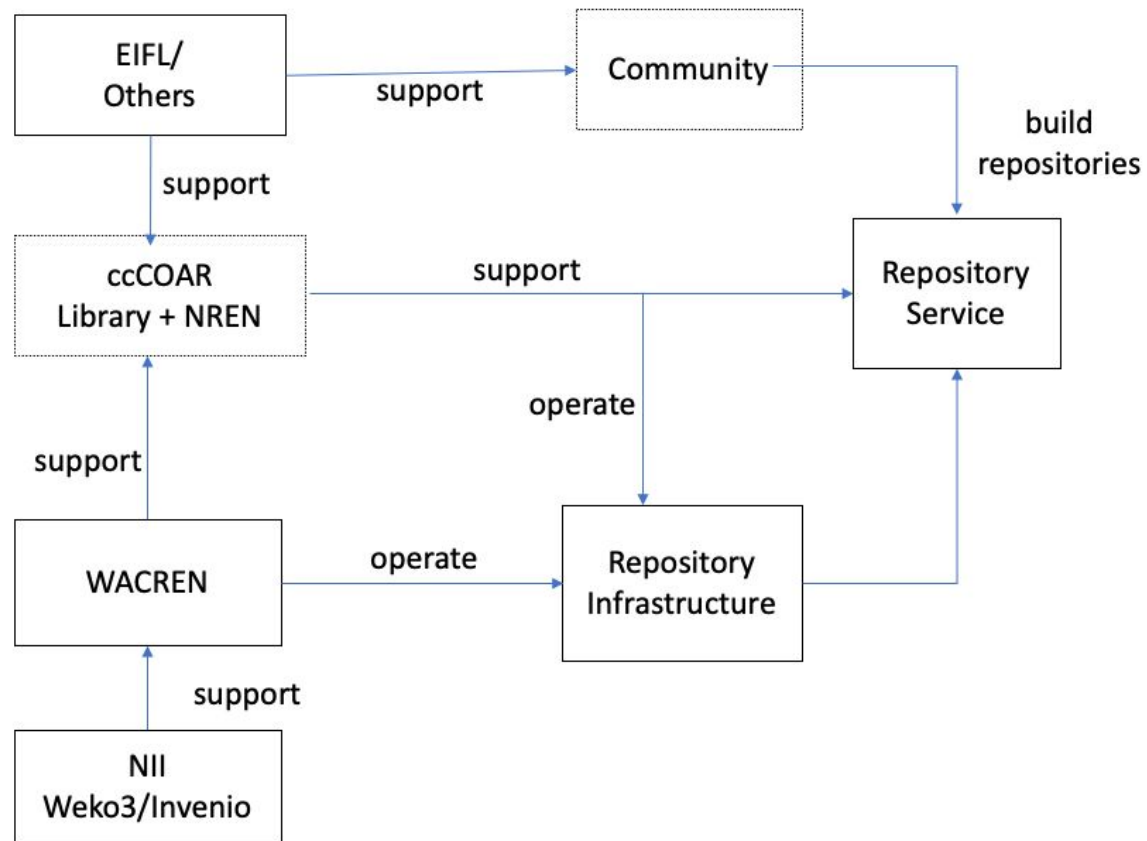
POLICY - Open Science policy development and implementation at the institutional level
INFRASTRUCTURE - supporting infrastructure developed for the institutional context
CAPACITY-BUILDING - training and skills development for digital services specific to the institutional context.

Key Activities/Collaborations:

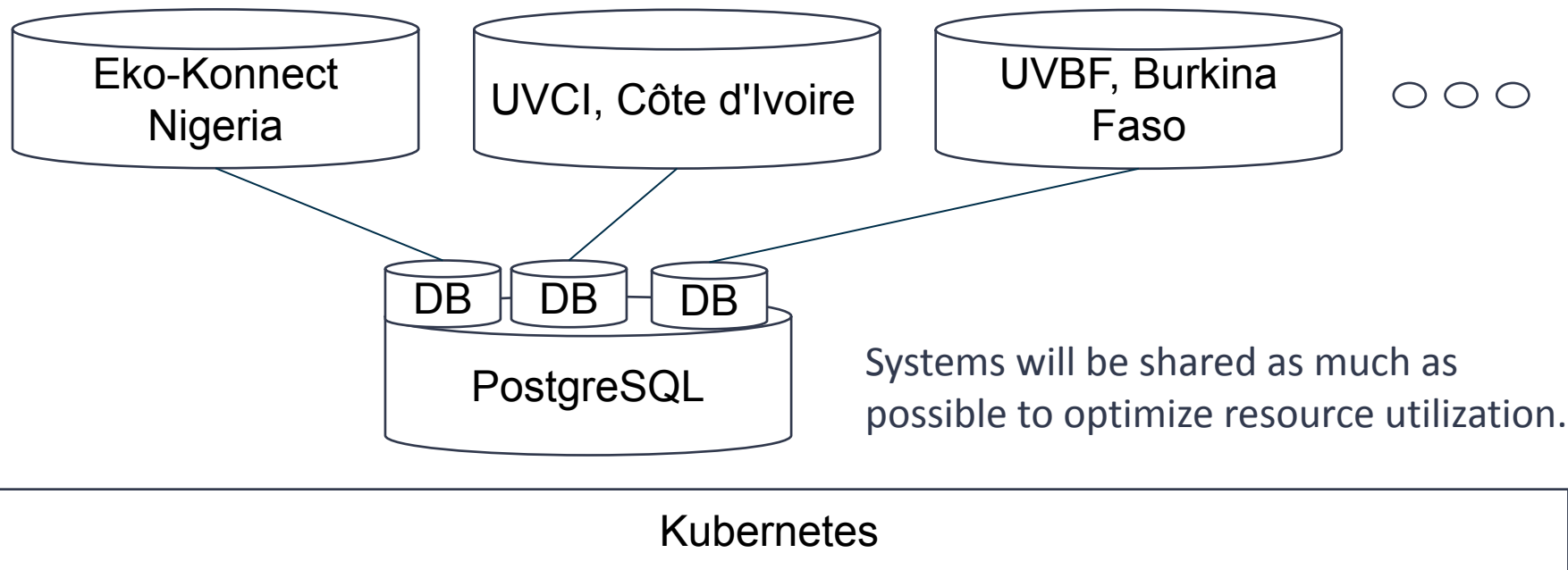
- Institutional OS Policy Development Workshops
- Early Career Open Science Researcher Programme
- OS Leadership Programme

Strategic pillars and example activities/collaborations at the National Level

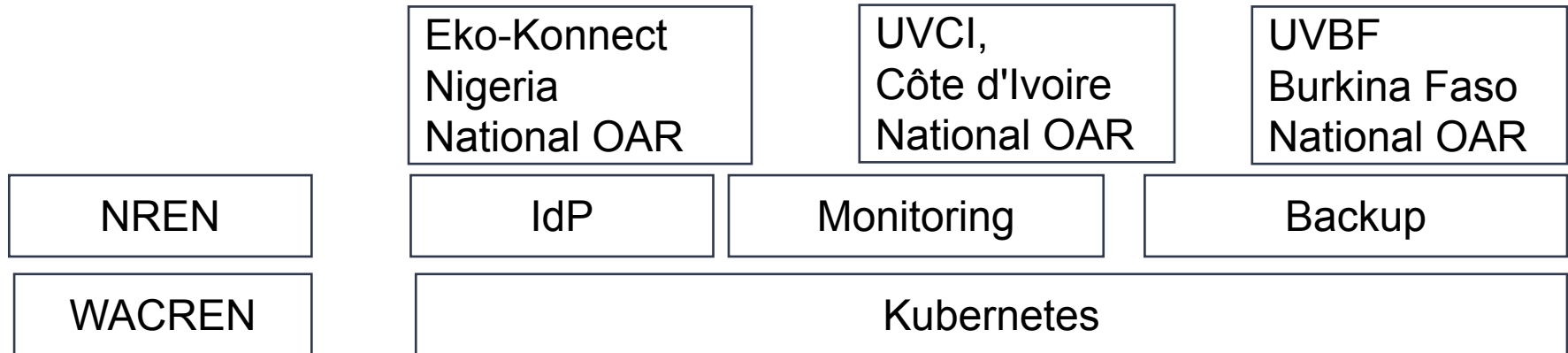
Shared repositories as a REN service



Shared REN Services



Shared REN Service Infrastructure



Research Assessment Reform

- Raise awareness about what responsible research assessment is and why it is important
- Identify what research outputs are currently valued or should be valued in the African context
- **Provide ideas and stimulate dialogue about establishing an African initiative to:**
 - Coordinate knowledge exchange about regional research assessment practices
 - Identify what “responsible research assessment” looks like in the African context
 - Provide a common organizational entity across Africa that will help to maintain momentum for reform to research assessment practices

Regional Policy Development Workshops



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