

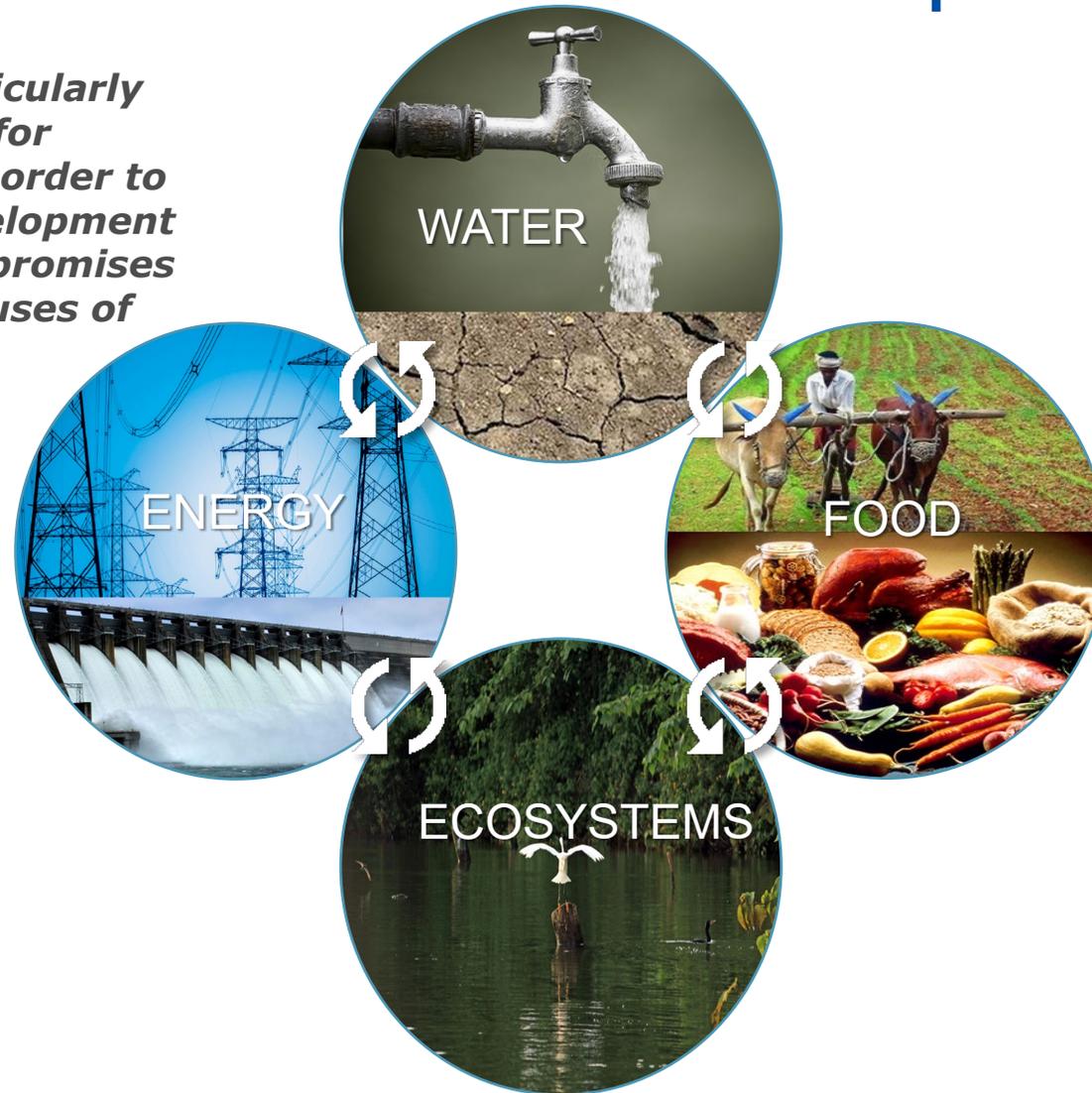


WEFE NEXUS and Human Capacity Development

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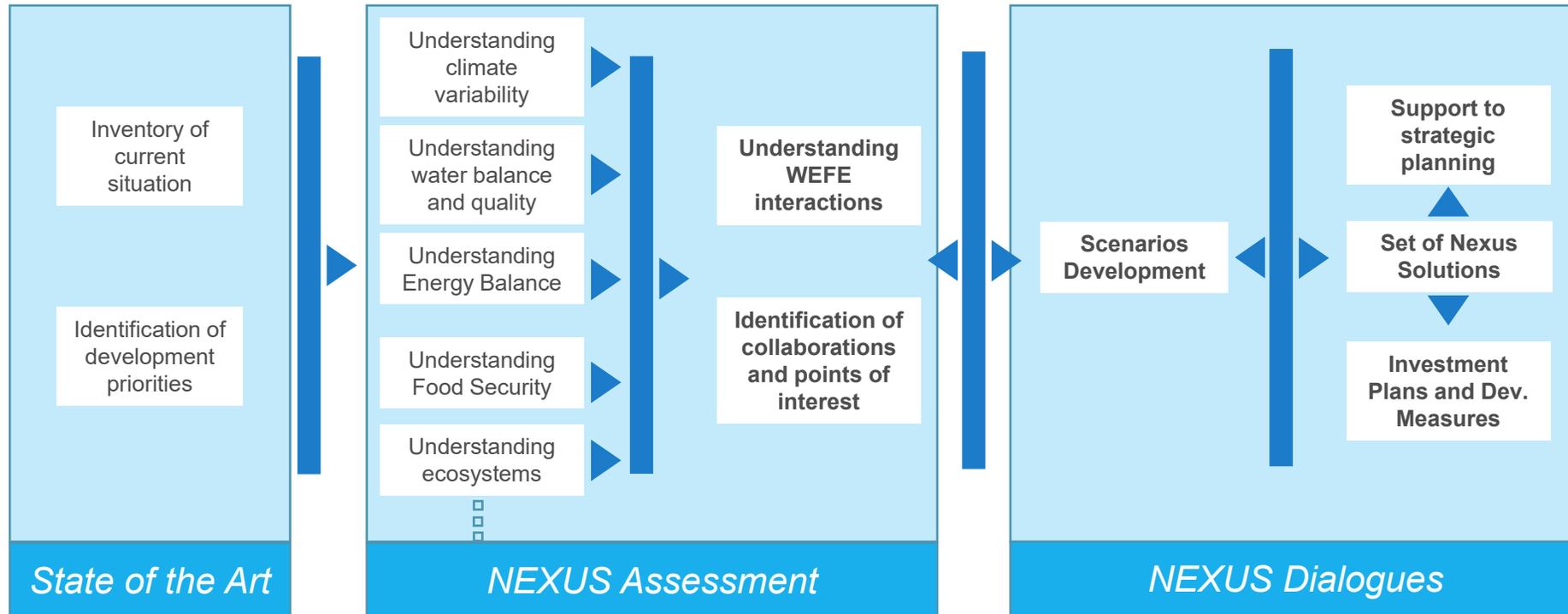
WEFE NEXUS – Some concepts

(WEFE) Nexus is a particularly relevant approach for transboundary basins in order to define a sustainable development strategy and to find compromises between the different uses of resources.



- water management
- multi-purpose use of water
- agricultural productivity
- food security
- water quality
- energy security - sustainability
- protection of the ecosystem

WEFE NEXUS – The Process



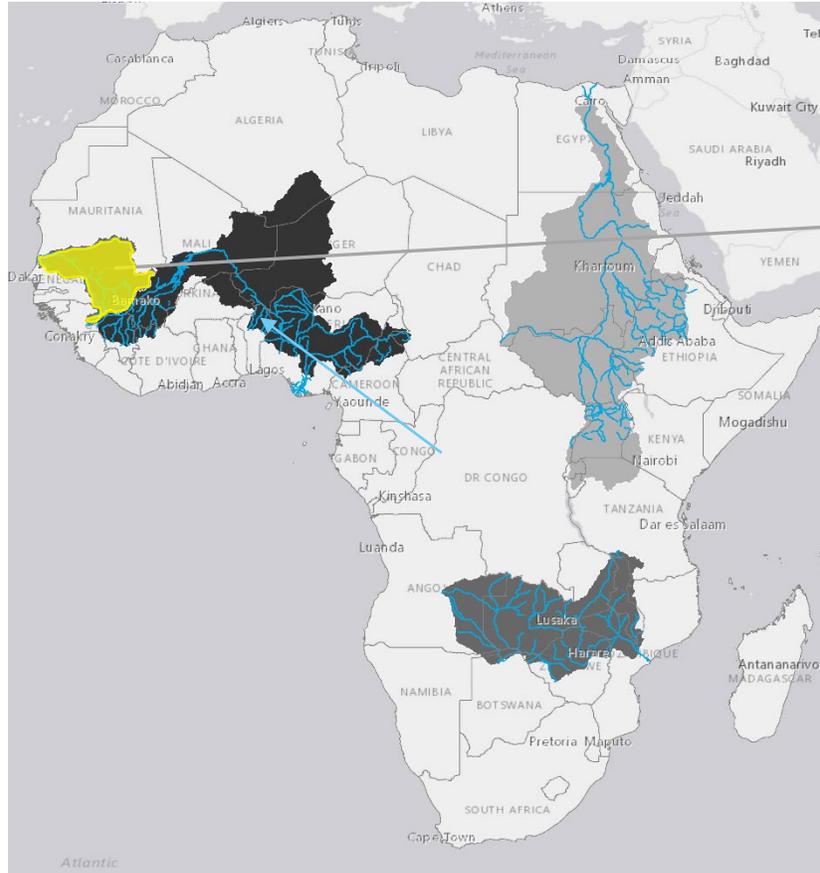
ref. [Position Paper on WEFE NEXUS and SDGs, 2019](#)

Identify available data (and tools) already developed, and development priorities identified in relation to Nexus components.

Supporting knowledge on the different sectors.
Understanding interactions: taking into account feedback from different sectors

Dialogue
Scenario development,
Commitment of experts and stakeholders
Identification of Nexus Solutions

WEFE NEXUS – In Practice



SENEGAL RIVER BASIN (450 000 km²; 4 countries: Senegal, Mauritania, Mali and Guinea)

WEFE-SENEGAL project

The context:

- Rural economy of the basin in transformation
- High population growth
- Environmental degradation issues (soil erosion, loss of fertility, water quality and health)
- Water management issue: multi purposes optimization of energy production vs agricultural need (crop water demands and livestock) and environment; new reservoirs impact analysis

Main activities:

- Develop a system to strengthen and organize technical and scientific knowledge in collaboration with local, national and international actors
- Support the implementation of the proposed measures at sites selected by OMVS
- strengthen data collection and management; define decision support models; Nexus Dialogue platform
- Modelling:
 - water requirement analysis
 - soil fertility
 - impact of climate variability (EPIC)
 - Identify synergies for economic optimization analysis

DIGITALISATION & GREEN TRANSITION

Why: *Digital4Development* – Green Transition. EU Cooperation on Digitalisation to support Green Transition (DGT)

What: To support EC/EEAS in strategic investments on Digitalisation and Green Transition in Africa

How:

- Mapping DGT gaps
- Analysis of Policy Gaps
- A decision support methodology

What:

Identify main gaps in African DGT; Provide analysis of gaps and policies.

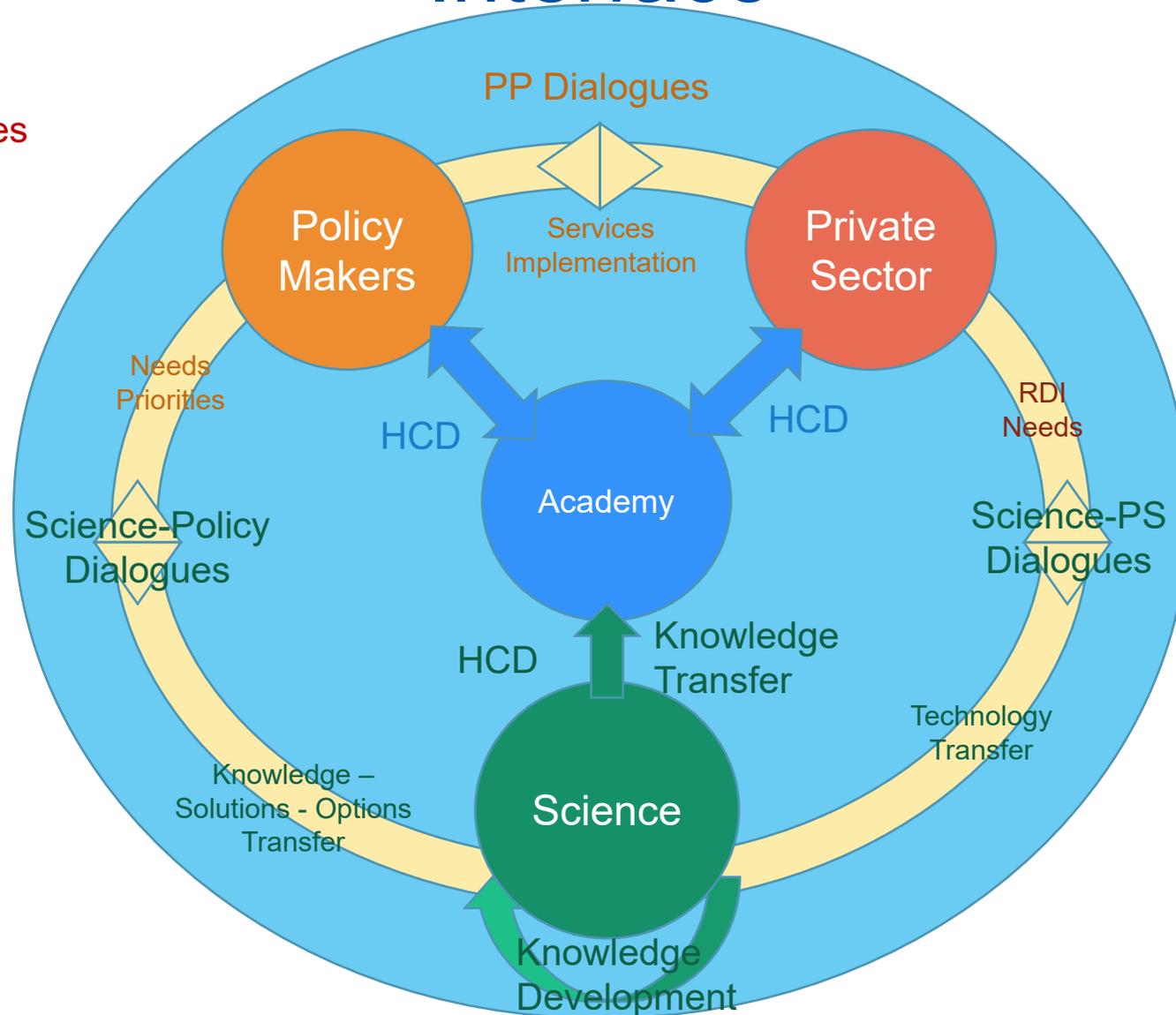
Analysis the gaps of technical expertise to address Digitalisation Policies and develop key infrastructures;

Mapping Digital Capacity-Skills needs to understand complex systems, establish the basis for data interoperability, analysis & sharing knowledge and processing, ...

Mapping the current DGT strategies and policies

SCIENCE – POLICY – PRIVATE SECTOR Interface

- Optimisation of research resources towards services
- Orienting science, knowledge development and human capacities towards actual needs
- Organising multi-sectoral synergies



Thank you

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