



Developing climate services in Africa

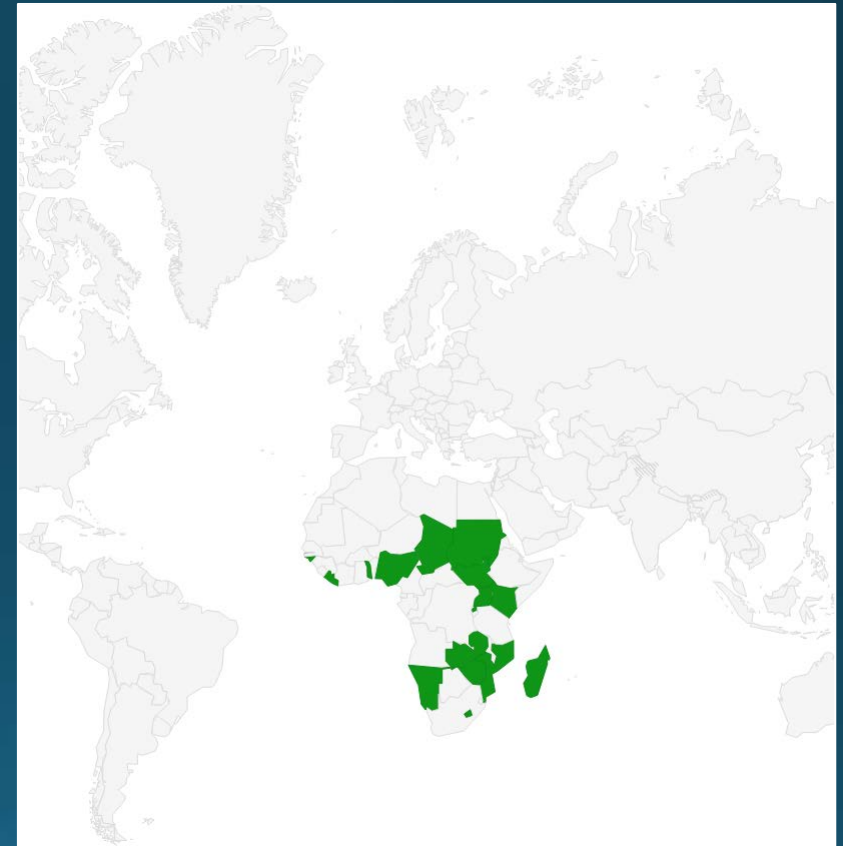
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WB Climate Change Action Plan

- WBG's committed to increase the climate-related share from 21 to 28 % by 2020 (potentially \$29 billion per year by 2020).
- Targeted actions in Renewable Energy, Sustainable cities, Climate-Smart Land Use, Water, and Food Security.
- The WBG will support countries in translating their NDCs into climate policies and investment plans into actions.
- WBG's Africa Climate Business Plan aims to raise \$16 billion for adaptation by 2020, including **enabling resilience with support for hydro-meteorological services and improved tools and capacity for climate-resilient investment planning.**

Climate services and NDCs

Country Name	Self-reported Cost Estimates (in Millions USD)
Chad	34
Gambia	n/a
Guinea Bissau	n/a
Kenya	n/a
Lesotho	n/a
Liberia	7
Madagascar	n/a
Mozambique	n/a
Namibia	n/a
Nigeria	n/a
Rwanda	n/a
South Sudan	n/a
Sudan	n/a
Togo	30
Uganda	n/a
Zambia	n/a
Zimbabwe	n/a

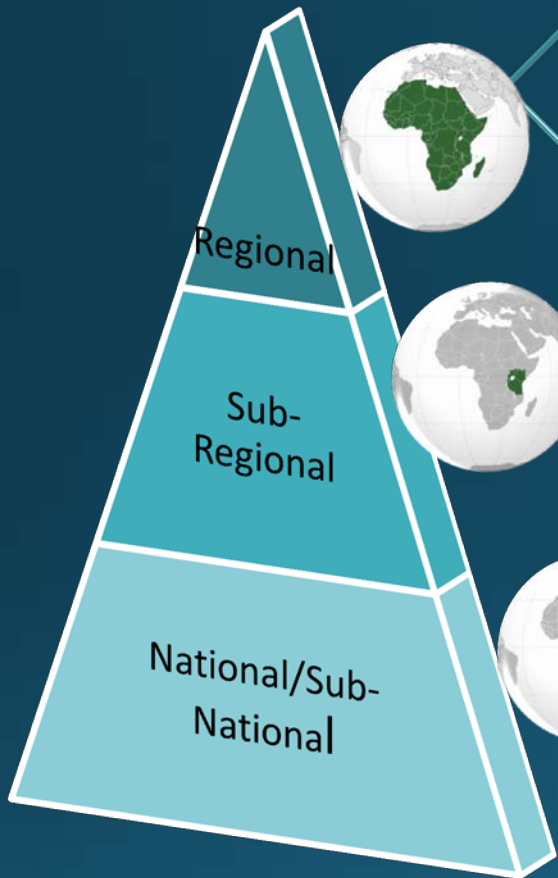


- Needs for the establishment and development of Climate Services (including hydromet needs) are expressed in at least 17 countries in SSA.
- According to self-reported costs, **171 Million USD** are expected from external donors to facilitate implementation of **Climate Services globally**.

Main programs and activities

- **Global Facility for Disaster and Risk Reduction (GFDRR)**
- **Africa Climate Resilient Investment Facility (AFRI-RES)**
- **Pilot Program for Climate Resilience (PPCR)**

GFDRR: Africa Regional Framework Program to Improve Hydromet Services



Africa Regional System Integration

- Improved access to and production of global products
- Knowledge and advisory services to support strategic development, project preparation and management, coordination and service delivery
- Coordination with AMCOMET, GFCS

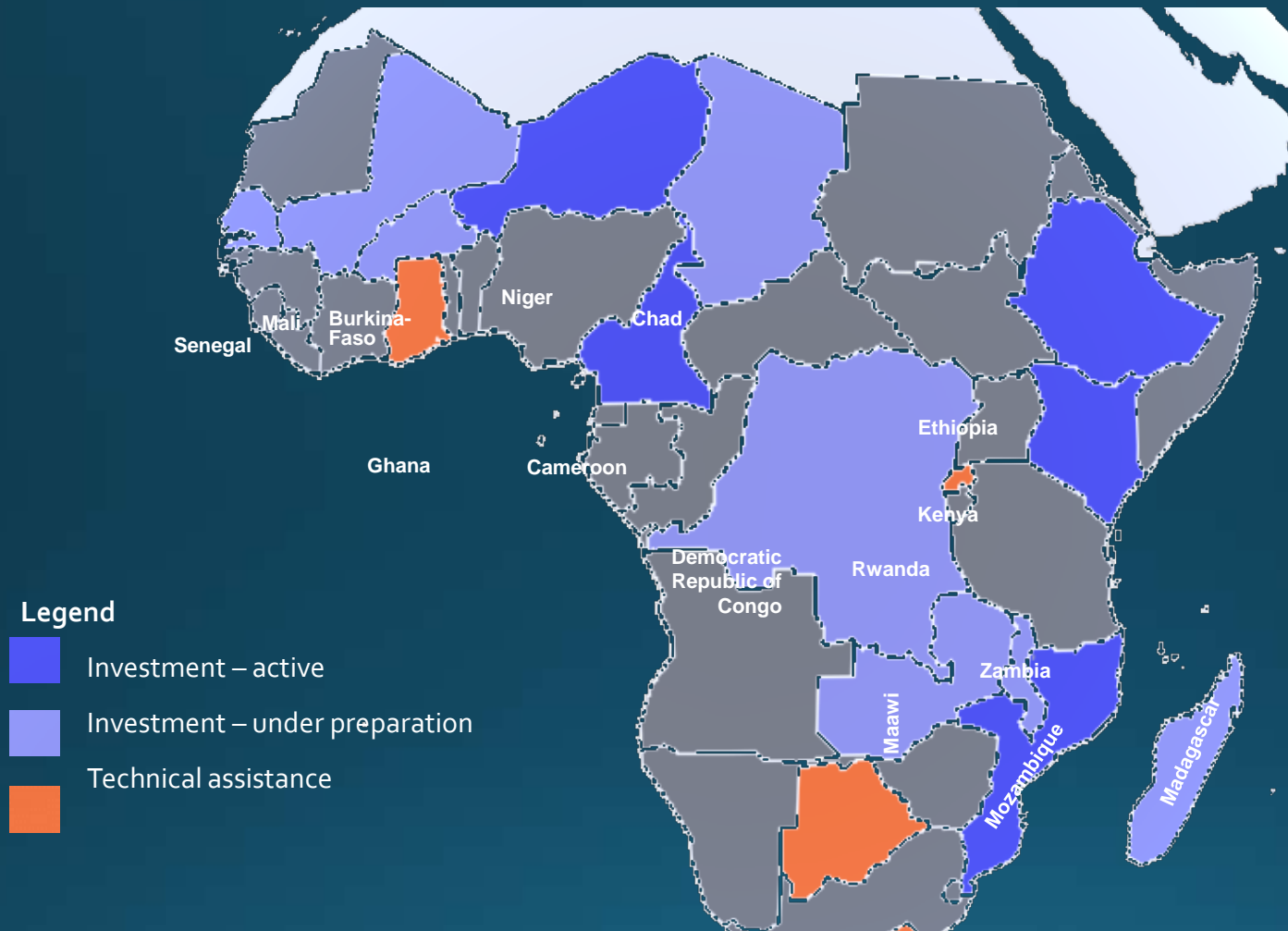
Modernization of WMO Regional Centers

- Strengthening capacity and management to enhance trans-boundary cooperation on weather and flood forecasting, early warning and climate prediction.

National/Sub-National

- Institutional strengthening and capacity building of targeted NMHSs
- Modernization of hydromet infrastructure
- Improving service delivery including development of National Framework of Climate Services

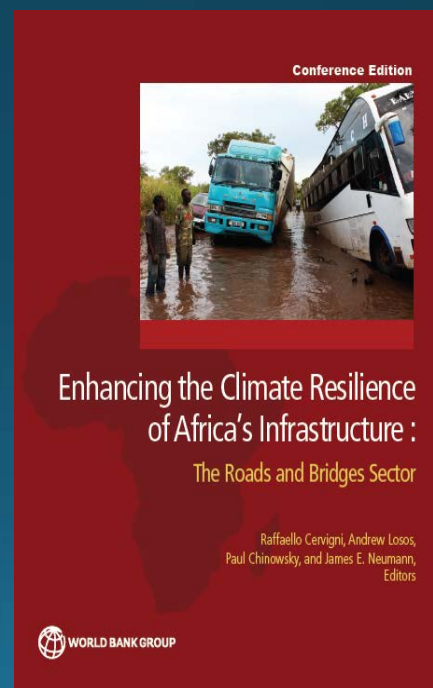
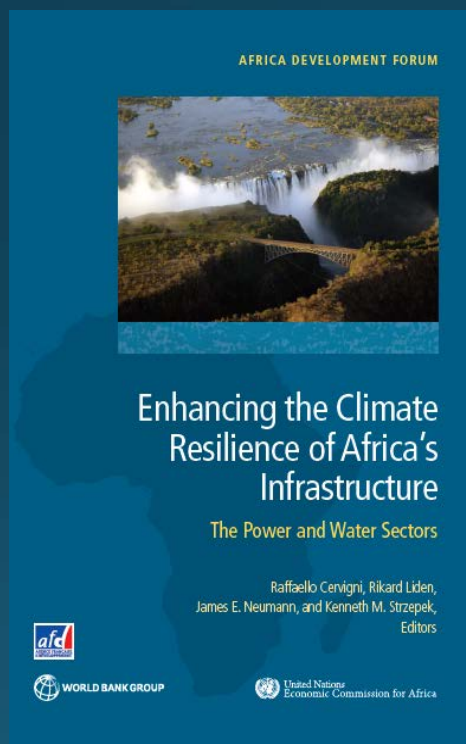
GFDRR Projects in Africa



Improved delivery of weather, climate and hydrological services to citizens and weather-dependent sectors, including timely, **reliable forecasts** leading to increased climate and disaster resilience, through trans-boundary **collaboration** on drought, severe weather and flood warnings, leading to **enhanced climate and disaster preparedness and readiness**

Africa Climate Resilient Investment Facility (AFRI-RES)

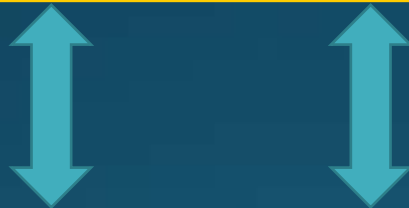
- Strengthen capacity of African Institutions to plan, design, and implement resilient investments in infrastructure.



AFRI-RES Activities

Upstream support

- Open data and knowledge platform
- Development of guidelines
- Compilation of good practices
- Support the emergence of standards in climate resilient project development



Downstream support

- Assistance in TORs preparation
- Quality assurance on technical reports
- Topping-up project preparation resources (directly, indirectly)

Pilot Program for Climate Resilience

□ Purpose

- Demonstrate ways to integrate climate risk and resilience into core development planning for transformation at scale.
- Programmatic approach

□ Scale of Resources

- US\$ 1.3 BN in pledges mainly grants, and some as IDA-like/highly concessional resources

□ Pilot Countries

- **Round 1: 18 countries** (9 single and 2 regional programs)
- **Round 2: 10 new countries**
- **Working with other MDBs in 9 countries**

□ 2 Stage Process

- **Phase 1: of Investment Preparation Plan** Countries receive \$1.5 M Technical Assistance
- **Phase 2: Implementation of investments**

PPCR: Hydromet & Climate Services Investments – Key Takeaways

- Round 1: Investments focused on hardware of hydromet, with less attention on climate services and products
- Round 2: Several countries including Rwanda, Uganda, Madagascar, Ethiopia, The Gambia.--have already identified the issue of climate information (including hydromet) and services as critical areas of engagement to enable climate informed decision making.
- Proactive shift to embed hydromet, climate Information and climate services as a Strategic Pillar for Climate Resilience and action plan. This builds on ongoing work in countries through the NHMS, with WMO, ENACTs etc.
- Development of e-learning platform with a focus on the weather and climate services value chain

PPCR Round 2: Strategic Focus on Partnerships and Technical Assistance



Embed CS into project/programs through value chain. Shared learning and exchange through representation in fora (Climate Services Conferences).

Enhance partnerships:

-Hydromet, Climate Services and Resilience Community of Practice to provide upstream expert/peer advice (e.g TORs), cross support and broad-based partnership (e.g. cross learning).

-ESA to support integration of satellite based information into the strategic programming phase through awareness raising, requirement analysis and mainstreaming into investments.



Thank you