



Weather and Climate Information Services for Africa

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supported by:



Weather and Climate Information Services for Africa

Weather and Climate Information Services for Africa aims to deliver transformational change in the quality, accessibility and use of weather and climate information services at all levels of decision making for sustainable development in Africa

A pan-African programme focussing on improved governance and enabling environment for weather and climate services – through support to the Africa Climate Policy Centre (ACPC), WMO and AMCOMET.

A regional programme focussing on East Africa region aimed at improving the quality and relevance of weather and climate information and supporting its uptake and use



WISER Phase 1

A pan-African programme focussing on improved governance and enabling environment for weather and climate services – through support to the Africa Climate Policy Centre (ACPC), WMO and AMCOMET.

1. Development of a standardised methodology for needs assessment, strategic and business planning for NMHS's and development of plans in selected countries (this work will be coordinated by AMCOMET/WMO)
2. Production of a consolidated baseline report on the needs and gaps in Regional Climate Centres (RCCs);
3. Development of the grant mechanism and other preliminary work and studies for the Climate Research for Development (CR4D) programme.

A regional programme focussing on East Africa region aimed at improving the quality and relevance of weather and climate information and supporting its uptake and use

1. Expanding and Strengthening ENACTS (Enhancing National Climate Services) availability, access and use across Eastern Africa
2. Strengthening Climate Information Partnerships – East Africa (SCIPEA)
3. Kenya Training Modernisation and East Africa Forecaster Training Course
4. Decentralised Climate Information Services for Decision Making in Western Kenya
5. Multi Hazard Early Warning Services for Tanzania (MHEWS)

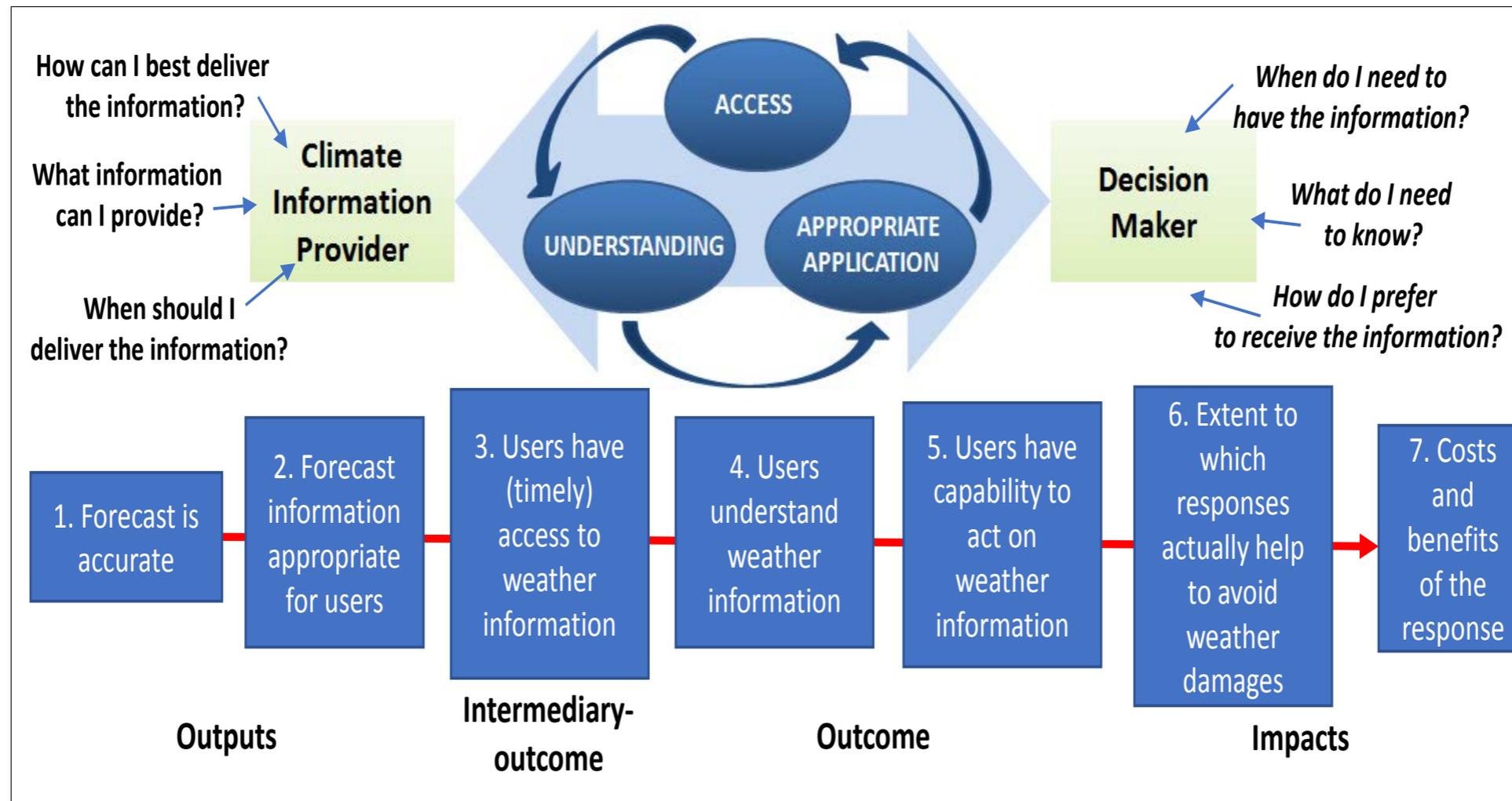


Weather and Climate Information Services for Africa - Principles

- Focus on service delivery with investments flowing from identified needs for weather and climate services which support poverty reduction and development;
- Take a holistic approach;
- Recognise the need for co-produced products and tools, designed with specific applications in mind
- Supports not only climate information providers but ‘users’, ‘boundary organisations’, ‘intermediaries’ and other collaborators;
- Ensure all interventions are based around suitable regional, national or sub national plans;
- Work through existing and mandated organisations and channels where possible and appropriate;
- Demonstrate a contribution to delivering socio-economic benefits, and
- Work in partnership and promote coordination and collaboration with other complementary projects, programmes and initiatives, and between development partners



WISER Value Chains

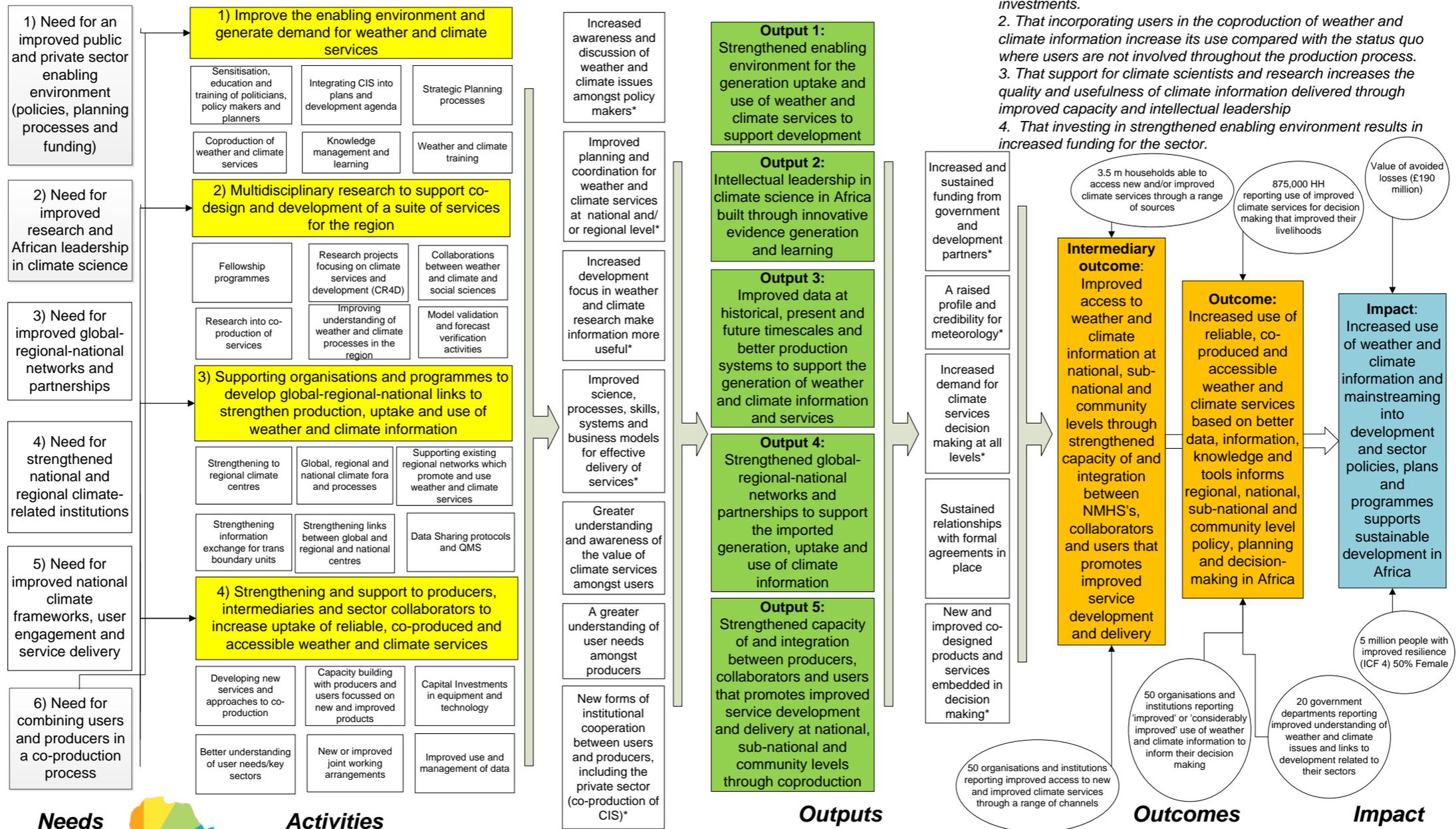


WISER Theory of Change

Hypothesis of Change: Improved governance and enabling environment combined with mobilisation of global/regional/national networks and co-production of information leads to the development of more reliable, tailored and accessible services. This leads to greater uptake and use to inform decision making at all levels, demonstrating value and increasing resilience of African populations

Hypotheses:

1. That investment in regional initiatives around weather and climate services has greater benefits than individual national investments.
2. That incorporating users in the coproduction of weather and climate information increase its use compared with the status quo where users are not involved throughout the production process.
3. That support for climate scientists and research increases the quality and usefulness of climate information delivered through improved capacity and intellectual leadership
4. That investing in strengthened enabling environment results in increased funding for the sector.



WISER Phase 2 – Possible Approach

Scale	Short Term	Seasonal	Longer Term	Cross Programme			
Pan African	ACPC Programme	ACPC Programme	ACPC Programme	Monitoring, Evaluation and Learning	Communications	Knowledge Management	Programme Development
Regional (East Africa)	HIGHWAY	ICPAC Support	ICPAC Support				
	Climate Information for Decision Making Challenge Fund						
	Research in Co-Production, Uptake and Use of Weather and Climate Information						
	Capital Equipment						
	Aircraft Meteorological Data Relay (AMDAR)						
National	National projects - demand led from local priorities but with regional interest						



ICCS5 Timely and Relevant

- User Initiated Services
- National Initiatives
- Projects on the Regional and Transnational Scale
- Business Models
- Monitoring and Evaluation
- Co-production and knowledge brokering



Knowledge Products



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The WISER programme's mission is to deliver transformational change in the quality, accessibility and use of weather and climate information services at all levels of decision making for sustainable development in Africa.




- WISER focuses on service delivery, directed by user needs, which support poverty reduction and development
- WISER works holistically to inform climate risk decision making bringing together research, policy and practice
- WISER works with regional, national or sub-national plans, which have involved users
- WISER works through existing and mandated organisations and channels where possible and appropriate

WISER is funded with UK aid from the British people and will deliver maximum value for money by working in partnership and collaboration, capacity building and leveraging funds to ensure long term sustainable delivery and improvement of weather and climate services in Africa.

Management

The UK government's Department for International Development (DFID) and the Met Office and the African Climate Policy Centre (ACPC) are WISER fund managers.



Challenge

The Met Office, the UK's national weather service, is fund manager for the East Africa component of WISER, focussing on the Lake Victoria Basin and surrounding region (Kenya, Rwanda, Tanzania and Uganda). This component aims to improve the quality and relevance of weather and climate information and support its use. It is envisaged that this regional initiative will provide a 'proof of concept' for the development of other regional initiatives in potential subsequent phases.

Climate Policy Centre (ACPC)

The ACPC is acting as fund manager for the pan-African component of the WISER programme. This focuses on improvement of the governance and enabling environment for weather and climate services. This will be predominantly achieved through support to ACPC and through the African Ministerial Conference on Meteorology (AMCOMET) and the World Meteorological Organization (WMO).

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Case Study

Designing the scope of DFID's WISER programme

Department for International Development (DFID)

Challenge

Availability and uptake of weather and climate information and services is still relatively low in Africa, representing a threat to social and economic development. DFID recognised the lack of any large-scale Africa-focused initiatives to comprehensively address the barriers preventing an increasing uptake of weather and climate services. Growing consensus that the lack of a holistic approach lay behind the lack of progress led to DFID considering a new, innovative intervention: Weather and climate information and SERVICES for Africa (WISER).

Solution

WISER aims to improve the quality, analysis, packaging, availability, dissemination and evaluation of climate information and services across Africa, and to support the uptake and use of this information in decision-making. In November 2014, DFID asked a Met Office-led team to scope, analyse options and support the design of the WISER programme. The team included weather and climate experts from the UK and Africa, as well as representatives from the World Meteorological Organization and experts in climate communications and development.

Benefits

The implementation of the Phase 1 programme started in early 2016. The hypothesis for change is that an improved enabling environment and governance, combined with the co-production of climate information, will lead to the development of more reliable, tailored and accessible services. These will be based on better data, information and knowledge which will in turn lead to greater uptake and use to inform decision-making at community, regional and national levels. An increase in the use of weather and climate information in policy-making and planning will support sustainable development and increased resilience in Africa.

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Weather and Climate Information Services for Africa (WISER)

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WISER

- Focuses on service delivery, directed by user needs
- Works holistically to inform climate risk decision making
- Brings together research, policy and practice
- Works with regional, national or sub-national plans
- Works through existing and mandated organisations and channels

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Met Office

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Modernisation of the Institute of Meteorological Training and Research (IMTR) Kenya

The Met Office is working in collaboration with IMTR and Nairobi University to deliver a modernised training program that meets World Meteorological Organization (WMO) learning objectives for meteorologists

The basis of this project is a partnership between IMTR, a WMO regional training centre, and the Met Office College to design, benefit community, in climate due to East



Project components

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Workshop at Met Office head office, UK

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