

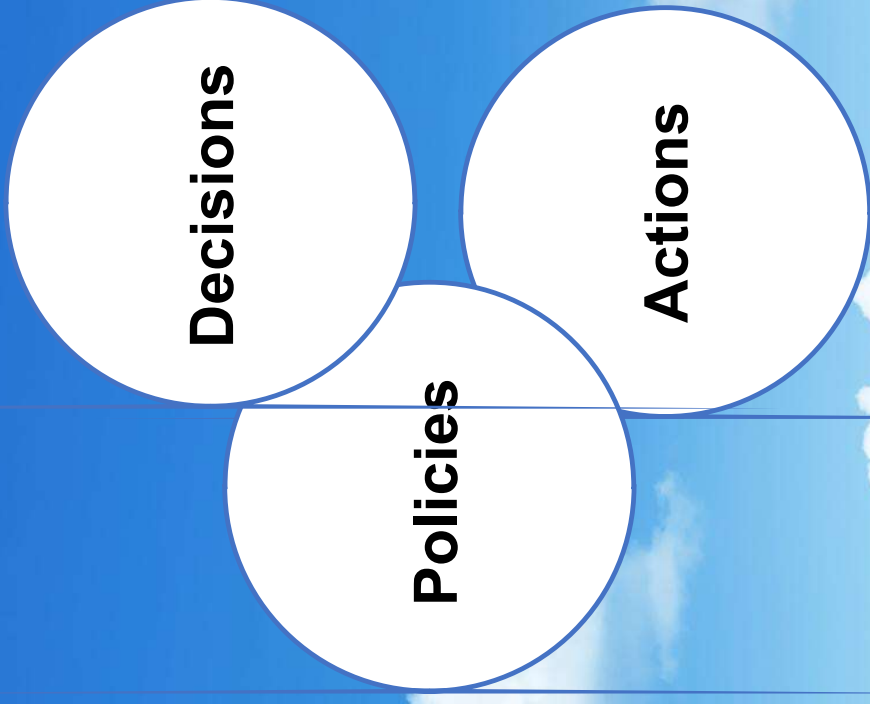
Ensuring the sustainability of meteorological and climate science interventions in Africa

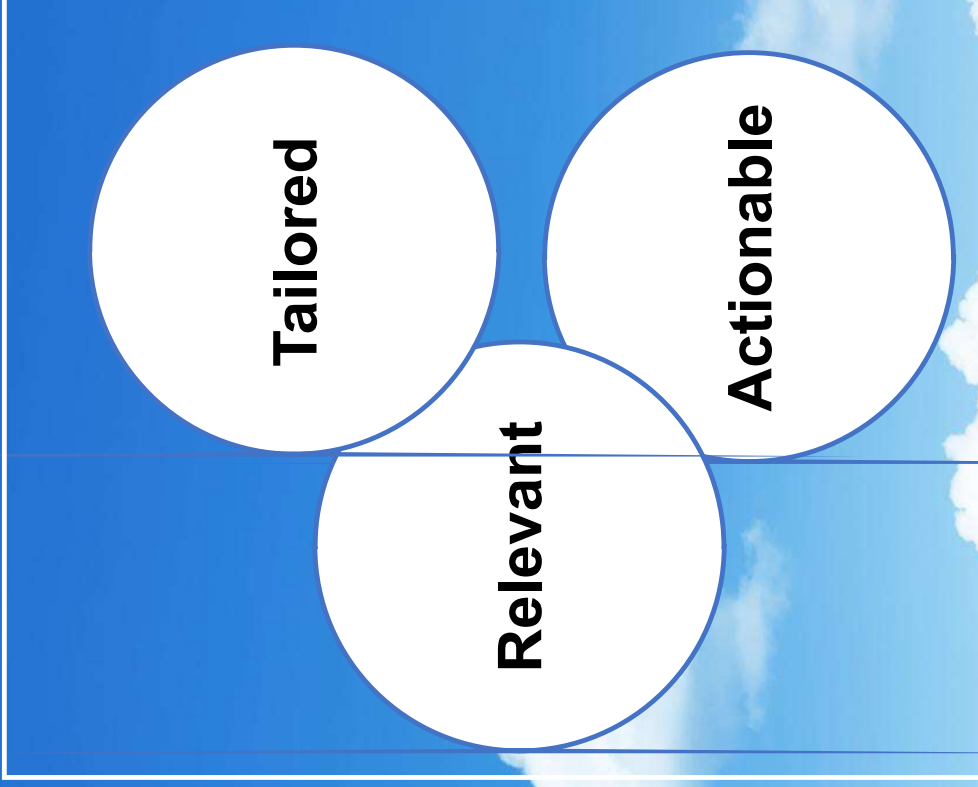
Helen Ticehurst

Senior International Development Manager

Met Office International Development Team







**Producers
of weather
and climate
service**

Co-production

**Users
of weather
and climate
service**

Open

Collaborative

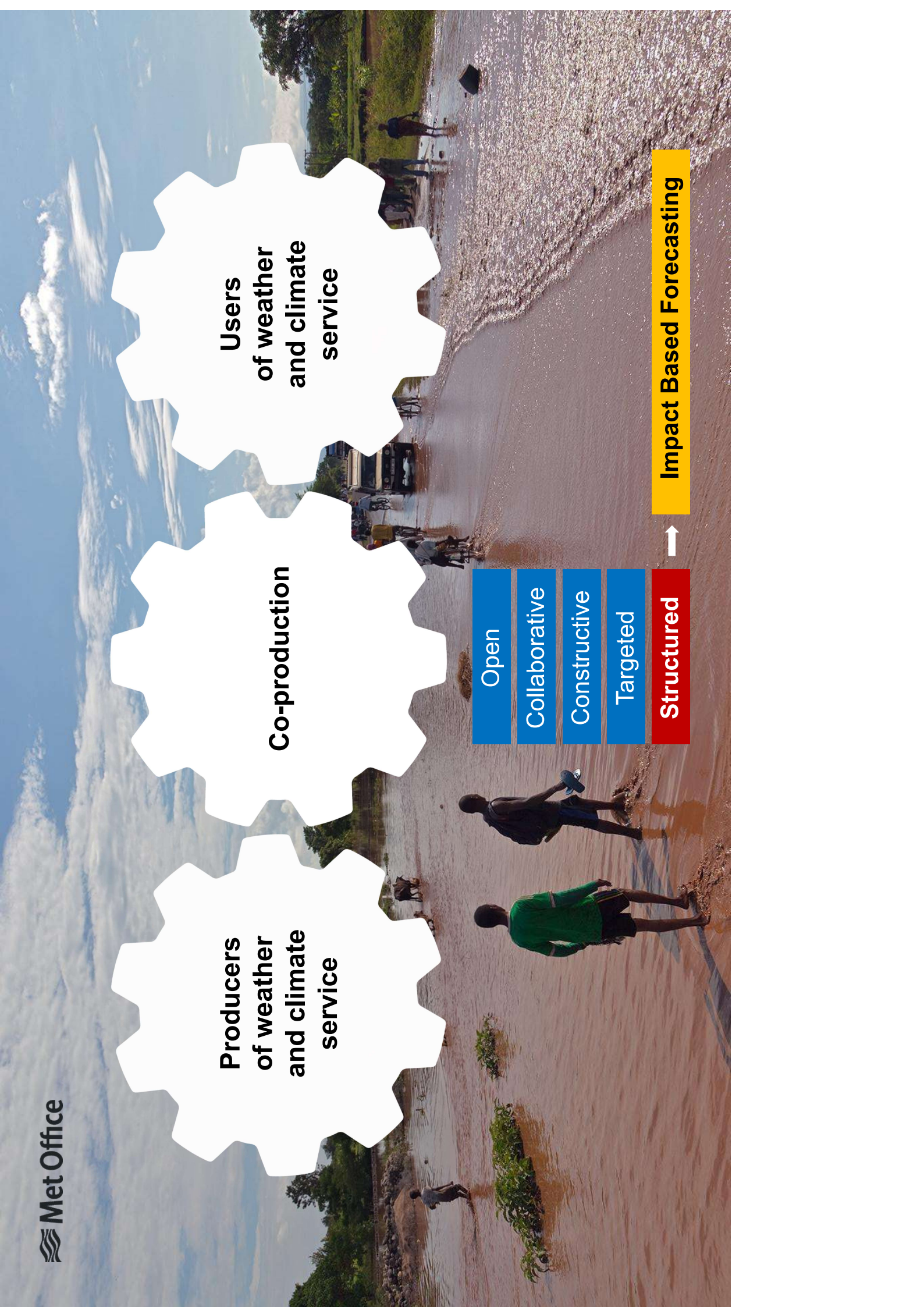
Constructive

Targeted

Structured



Impact Based Forecasting



Aims

- Enhance the resilience of vulnerable communities and reduce economic losses in Africa through the improved generation and use of weather and climate information
- Primary beneficiaries across East Africa are fishing and farming communities, as well as vulnerable communities, including young/old, men/boys and women/girls
- Focus on **Coproduction**

Impacts

- 146 new coproduced services
- Improved access to weather and climate information to 3.3 million households
- 482,209 households supported to use information to make decisions
- £207 million in avoided losses
- 8.2 million people's resilience improved

Co production central to the WISER programme

HIGHWAY

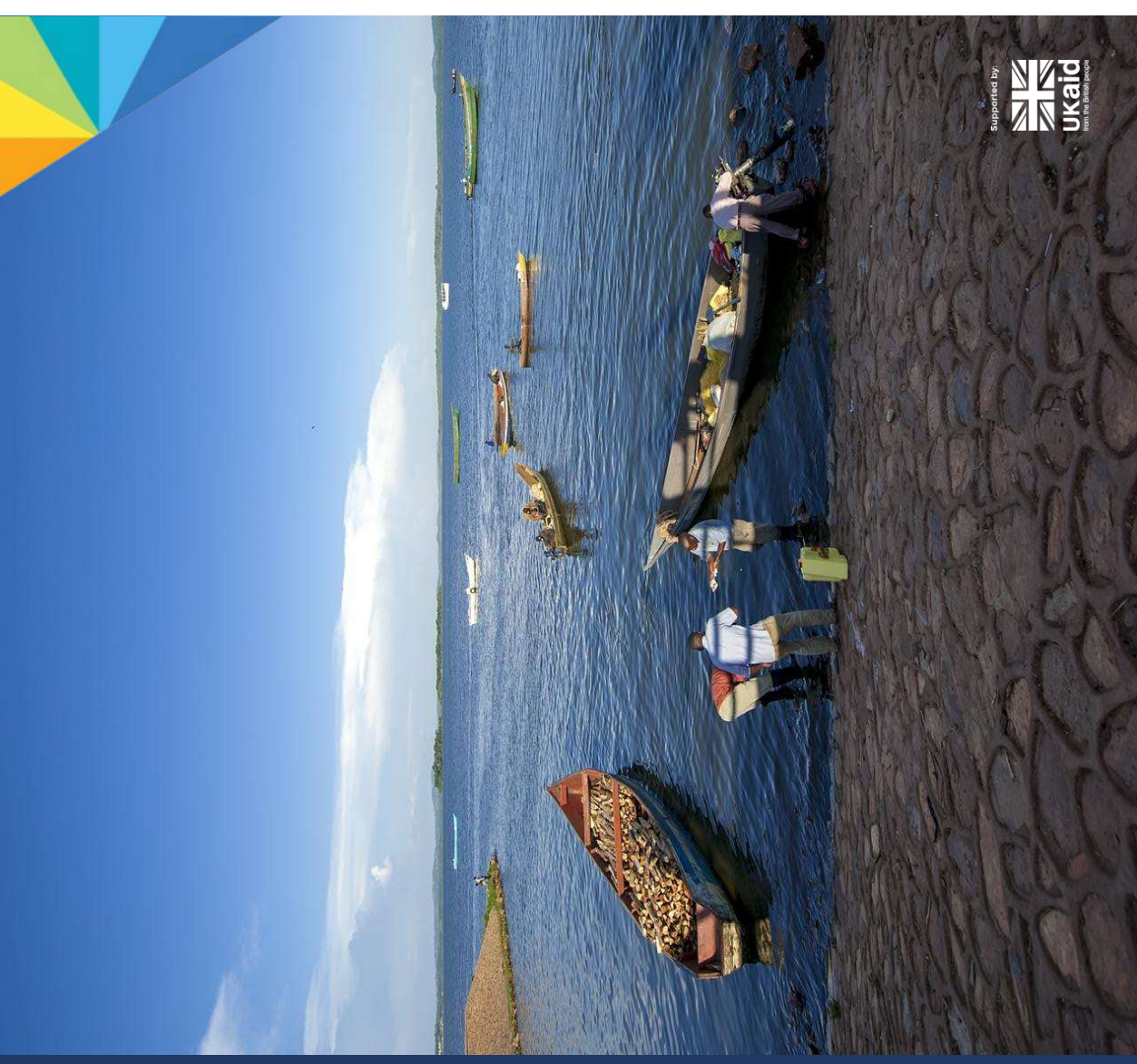
High Impact Weather Lake System

[WISER HIGHWAY \(English\) High impact weather lake system project video - YouTube](#)

Mr Robert Bakaaki, national fishermen's leader, fishing boats and fuel supply boats operator, Uganda:

"The forecasts are always timely, accurate, reliable and easily understood. They help me plan my daily activities..... minimising fuel costs and eliminating potential risks and dangers to both my crew and my boats."


WISER
Weather and Climate Information Services for Africa





Weather and Climate Information Services for Africa

HIGHWAY* – high impact weather forecasting services for Lake Victoria

The HIGHWAY Project developed a regional Early Warning System (EWS) to alert people living near Lake Victoria and those that rely on it for their livelihoods about high impact weather events.



DARAJA

High Impact Weather Lake System

<https://youtu.be/dAY-imaJp3k>



Supported by:

from the British people



Weather and Climate Information Services for Africa



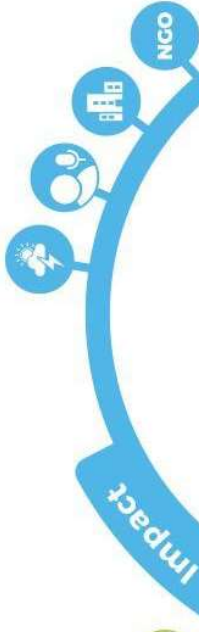
This project aimed to improve the climate resilience of vulnerable urban populations living in informal settlements (in Dar es Salaam, Tanzania and Nairobi, Kenya) by improving their access to and use of actionable weather, climate and early warning information.



Over 980,000
people with improved
access to actionable
forecast information

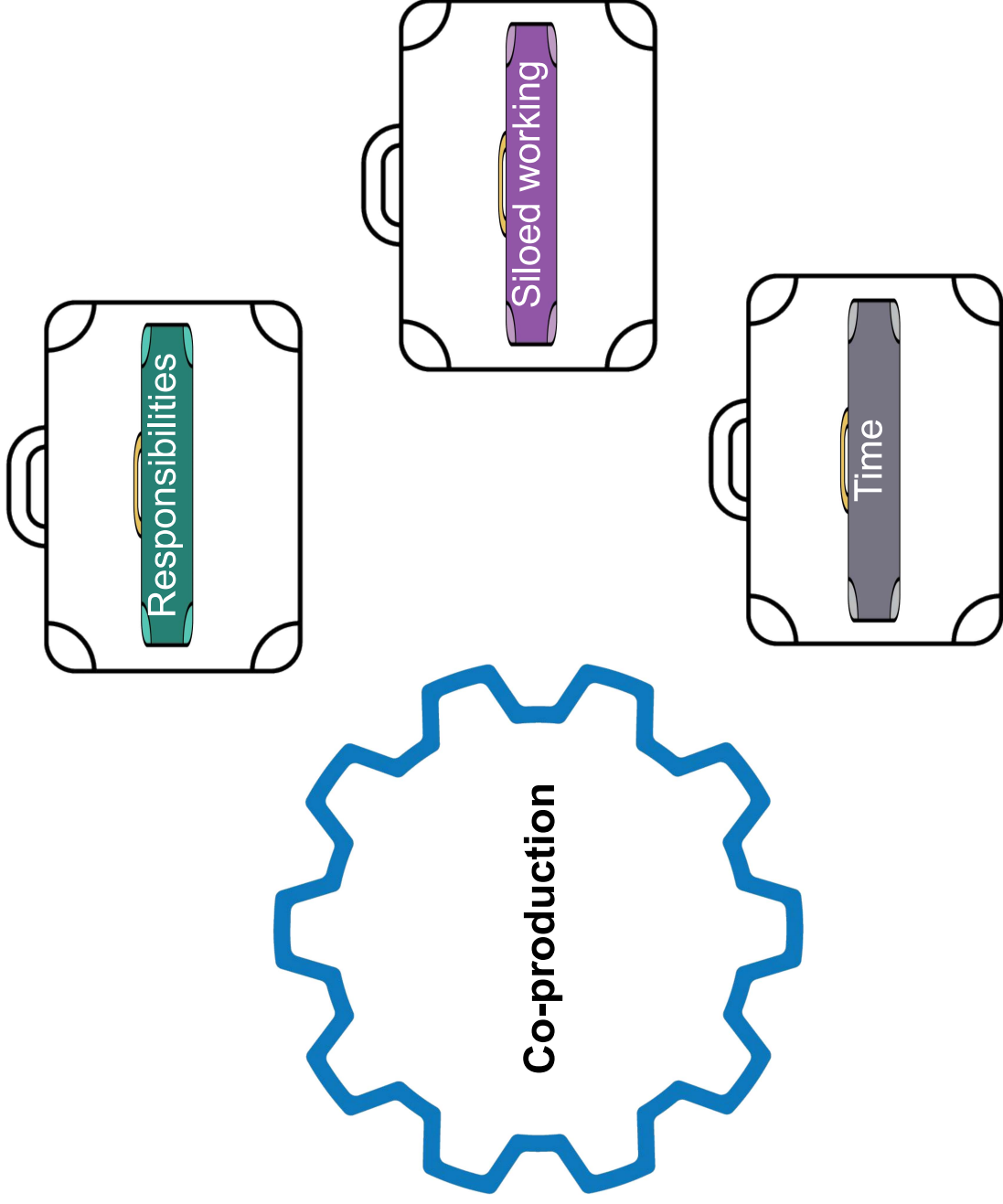


67
organisations, media
partners, community
leaders and communication
channels engaged in the
pilot schemes



**Improved
understanding
and use**
of forecast information





Impact Based Forecasts

Moving from what the weather will be to what the weather will **do**

Hazard:

Type, intensity, location and timing.

E.g. 50mm rain in City X on

Monday morning between 9-12

Impacts:

What are the impacts

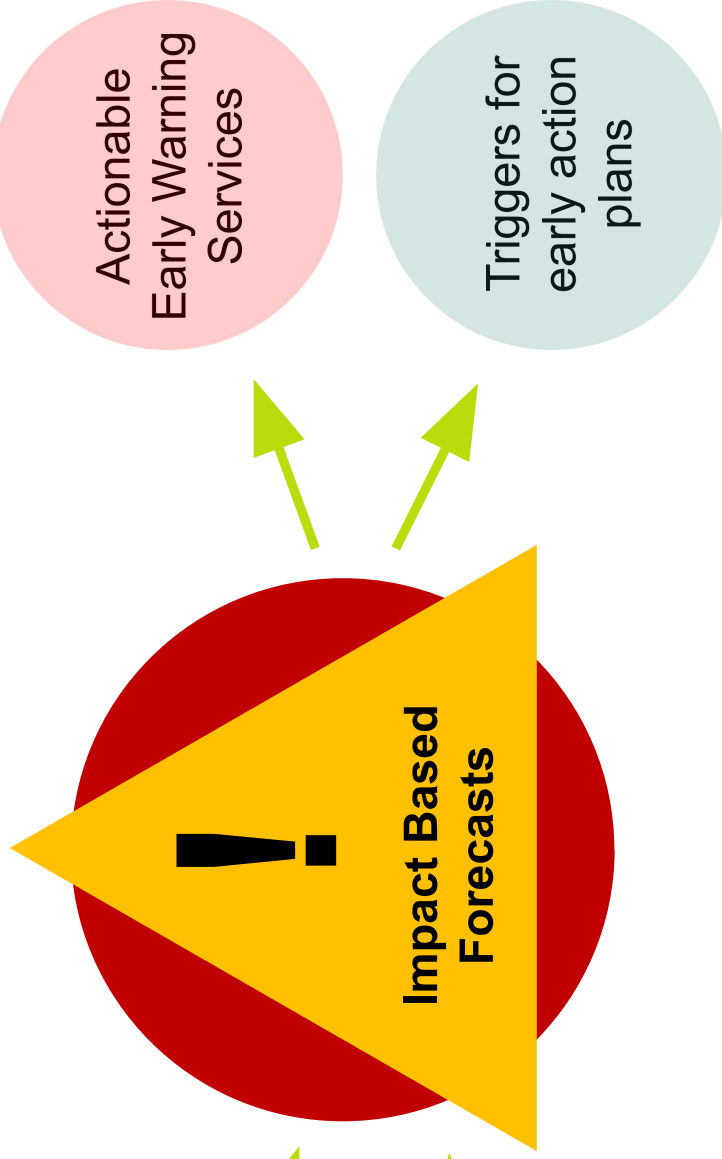
of heavy rain in City X.

E.g. flooding, traffic jams, health issues relating to sewage overflow

Vulnerability:

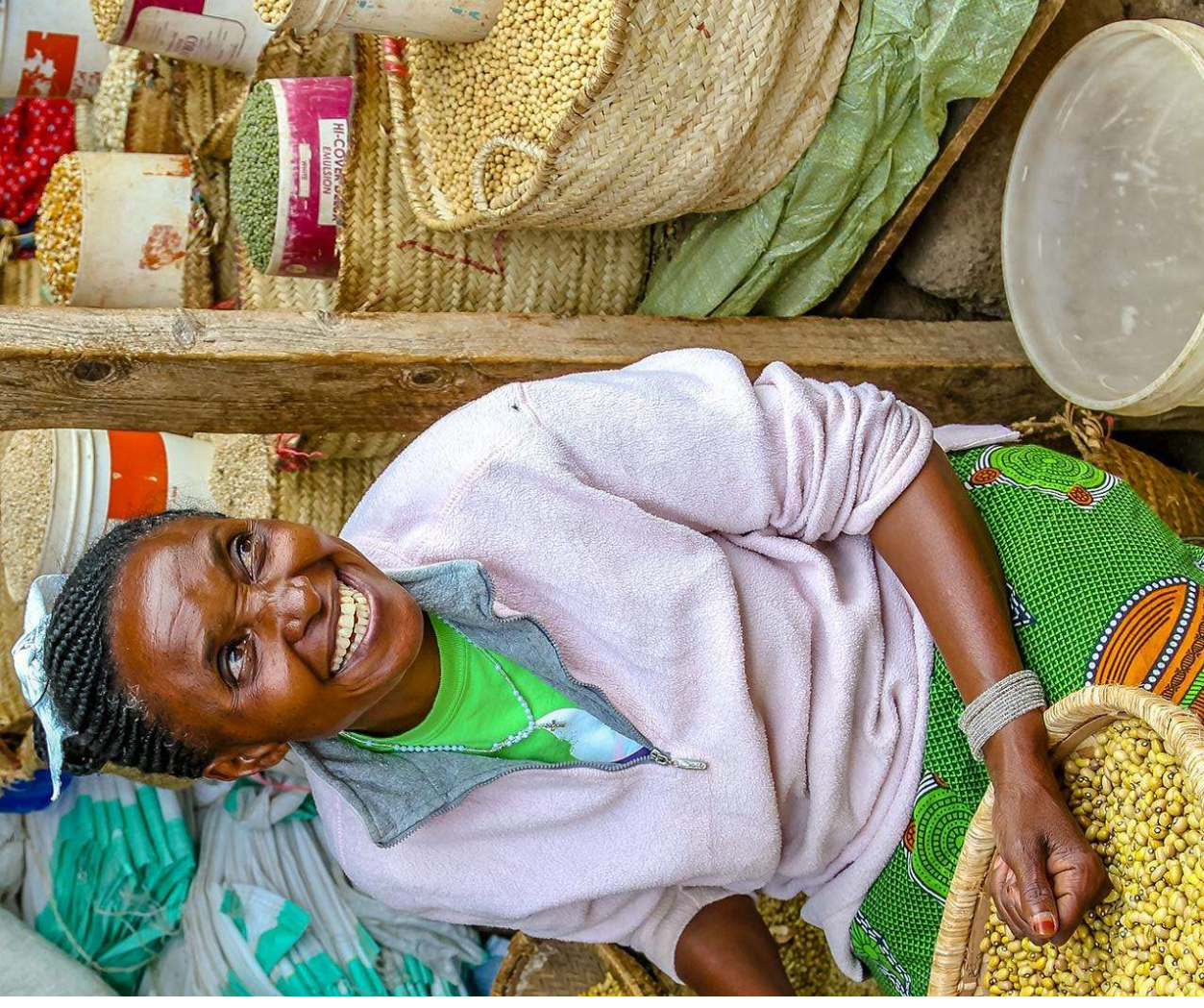
Who and how will be

affected by these impacts?





- If you produce a service that hasn't been coproduced, it probably isn't being used
- Coproduction and Impact Based Forecasting take commitment and time and need **dedicated resource**
- Collaboration, openness, communication and working in partnership is key. Moving away from siloed working is key.
- Represent the best way to sustain improvements in weather and climate information as leads to actionable services which become **essential decision making tools for users**



Thanks for listening.

