MUS and Water Resources Management

CBWRM experience in west africa,

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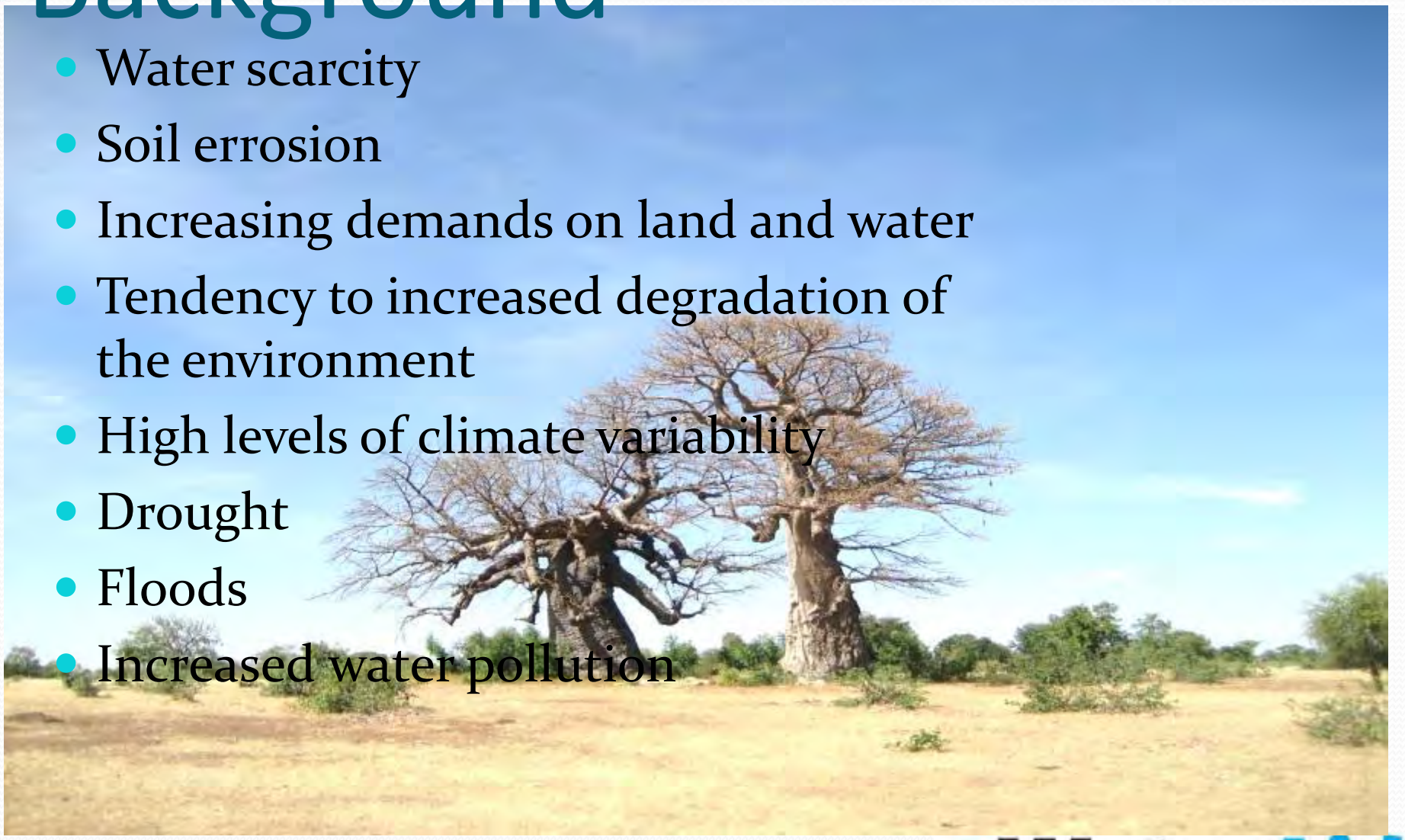
Background

- Water scarcity
- Soil errosion
- Increasing demands on land and water
- Tendency to increased degradation of the environment
- High levels of climate variability
- Drought
- Floods
- Increased water pollution



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Technologie

Multiple Use Service in the Sahel

Some challenges

- Very limited number of boreholes and wells
- Multi use of Boreholes and wells
- Dry season runs for 6 to 8 months per year
- Bucket irrigation is increasingly practised
- Large numbers of livestock depend upon water from boreholes
- Long queues at water points leading to conflict
- Lack of operating principles to address conflict
- Lack of structures for management of risk

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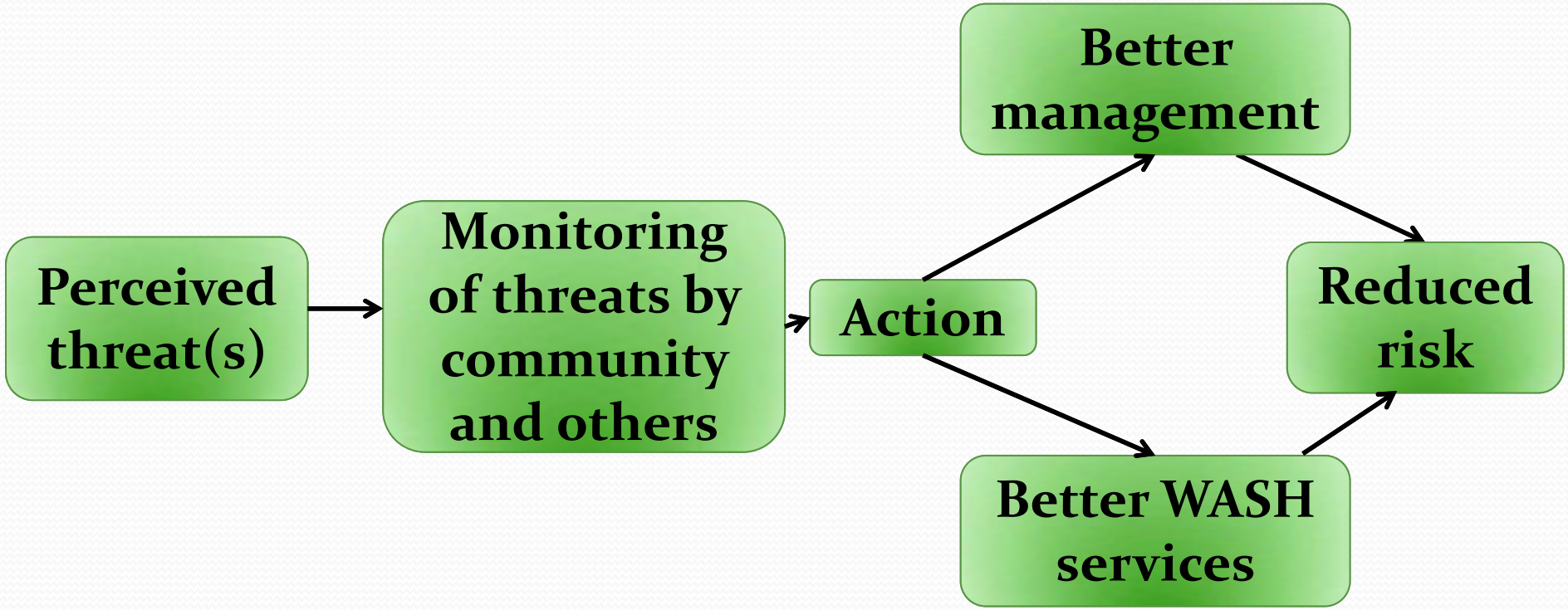
THE LOGIC OF CBWRM



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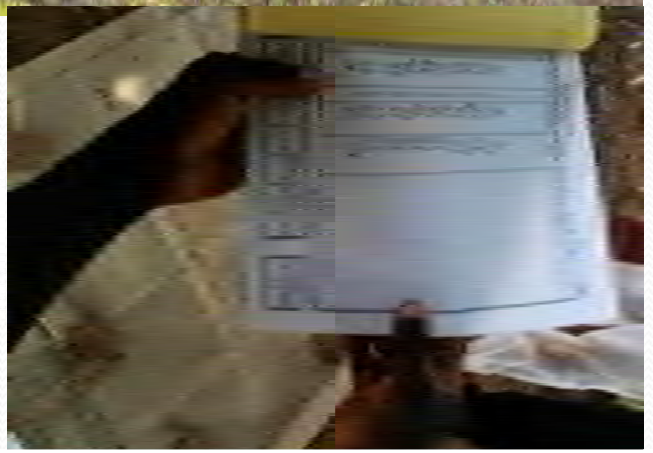
CBWRM key ACTIVITIES



Interpretation of the data

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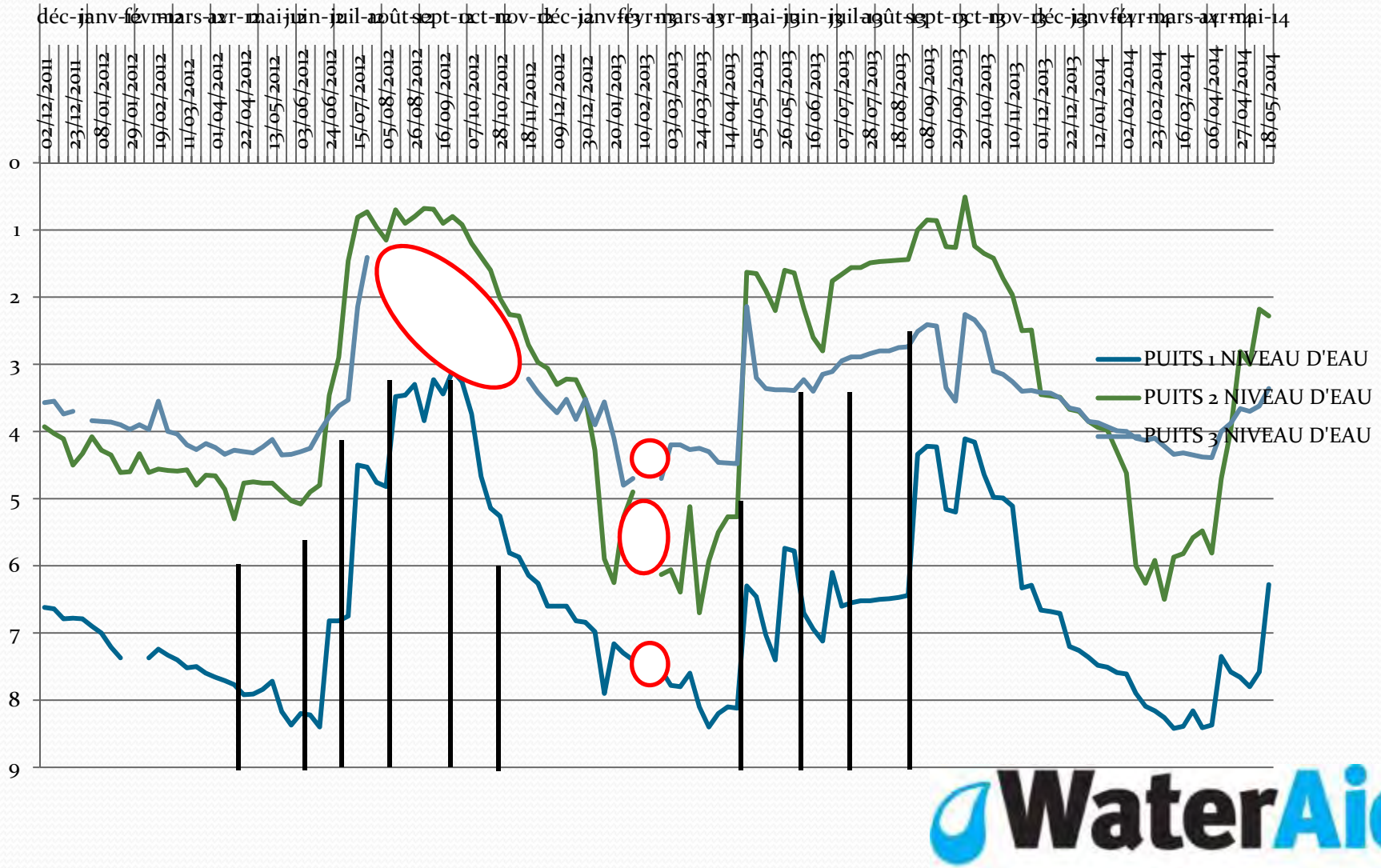
Interpretation of the data



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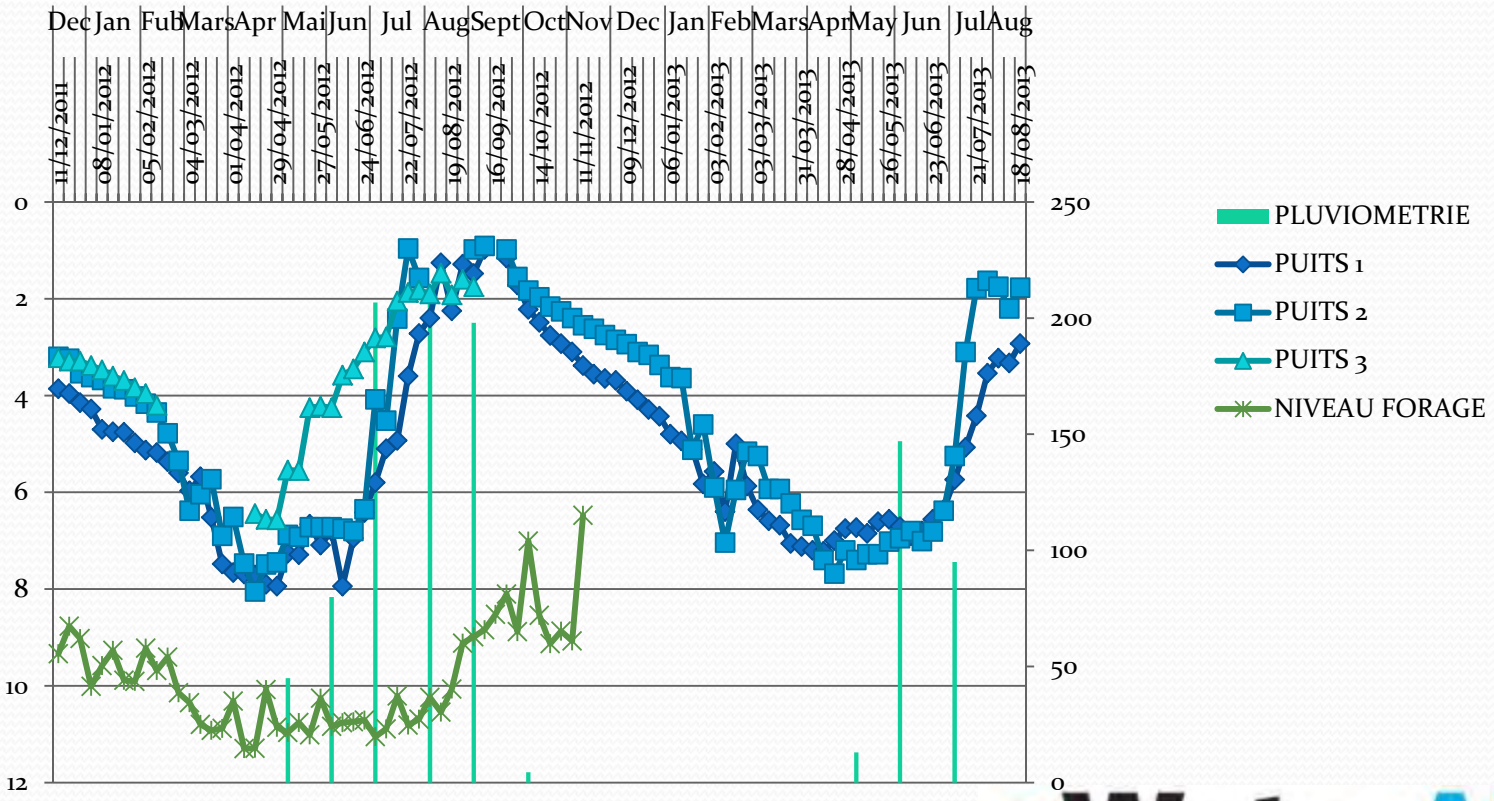
Interpretation of the data

Water level in wells and Borehole linking to rainfall- 2011-2013



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WHY IS DATA USEFUL?

❑ Better Management including:

- **Decisions taken to improve management of water:**
  - Agreeing allocations for different water users
    - Exple: domestic use – animals – Irrigation of gardering
  - Agreeing times when different users can and can't access different water sources
    - Exple: domestic use up to 15h and from 16h up to 18 for animals
  - Rationing water when it is known to be in short supply
  - Temporarily restricting certain water uses (e.g. brick making, road constractor) when water is known to be in short supply.
  - Enforcing protection of water source catchments to protect water quality and quantity

- **Involvement of Local government and NGOs**

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WHY IS DATA USEFUL?

❑Better Wash Services

Evidence from monitoring adds weight to the voice of communities to call for better WASH services including:

Improvements include:

- Designing for multiple uses (MUS): new gardening area in Basbedo (5ha, 5 wells with abreuvoirs with 2 wells with Rope pump)
- Deepening or constructing new hand dug wells
- Borehole construction or rehabilitation (Sablogo School)
- Investment in domestic rainwater harvesting
- Construction of water conservation structures to enhance natural recharge: Sand dam, or small dam in Mali
- Bringing about total sanitation to eliminate faecal contamination
- Improving hygiene practices
- Designing better use of rain water e.g improving agricultural agenda

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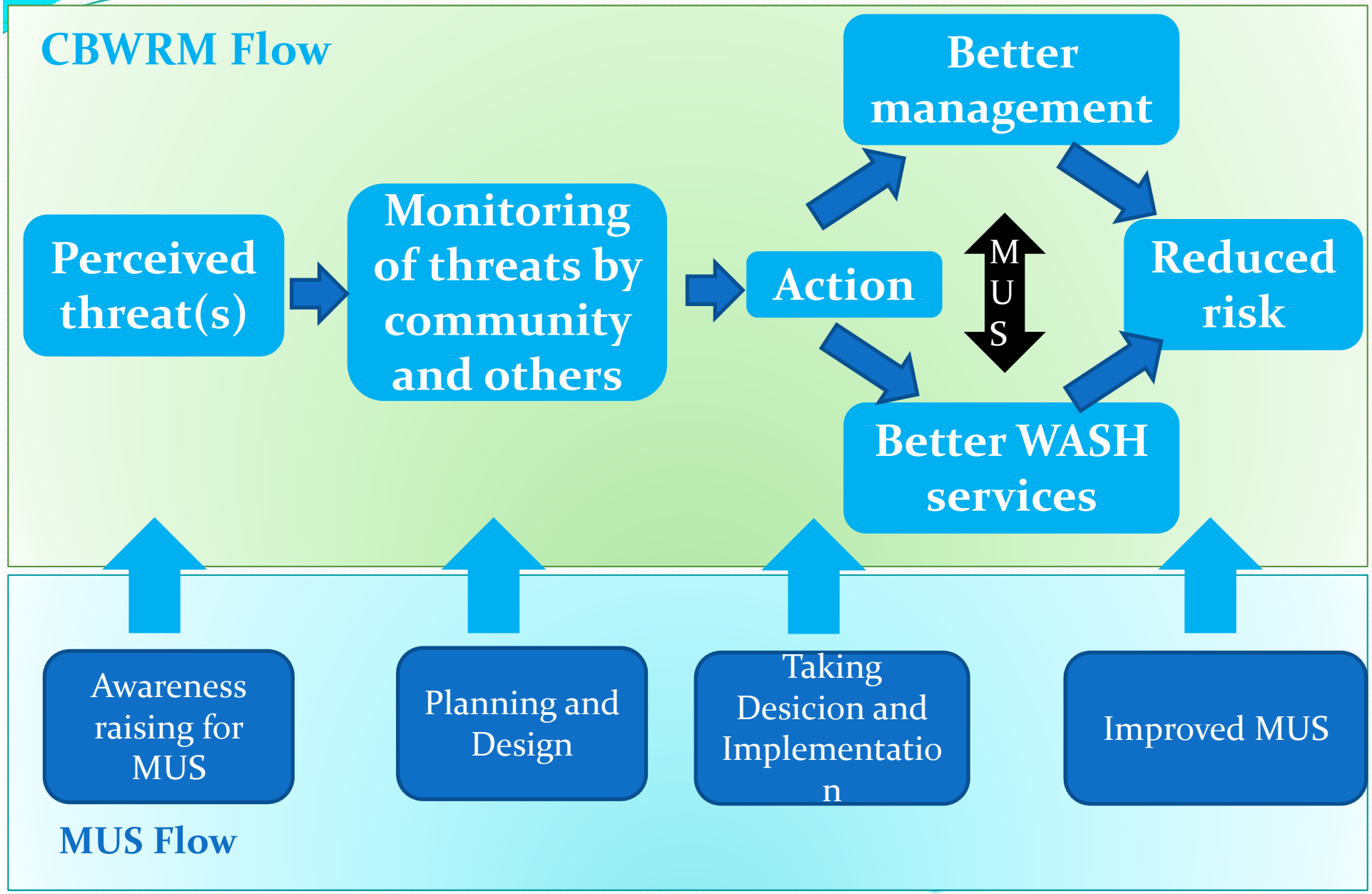
LINK etween CBWRM - MUS




Thank You


Merci Beaucoup