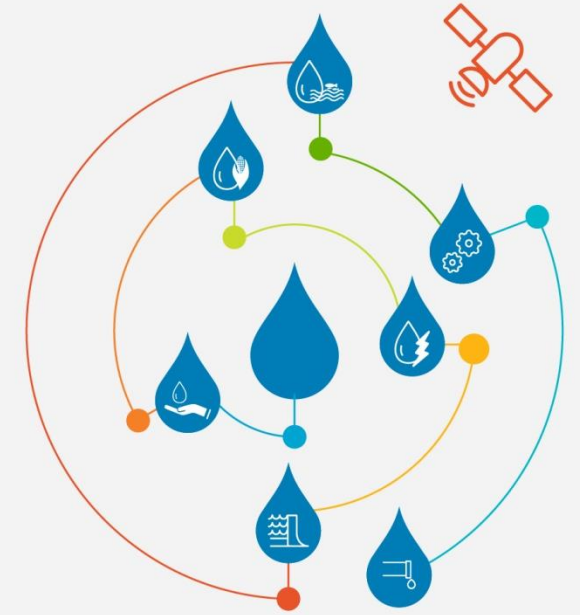


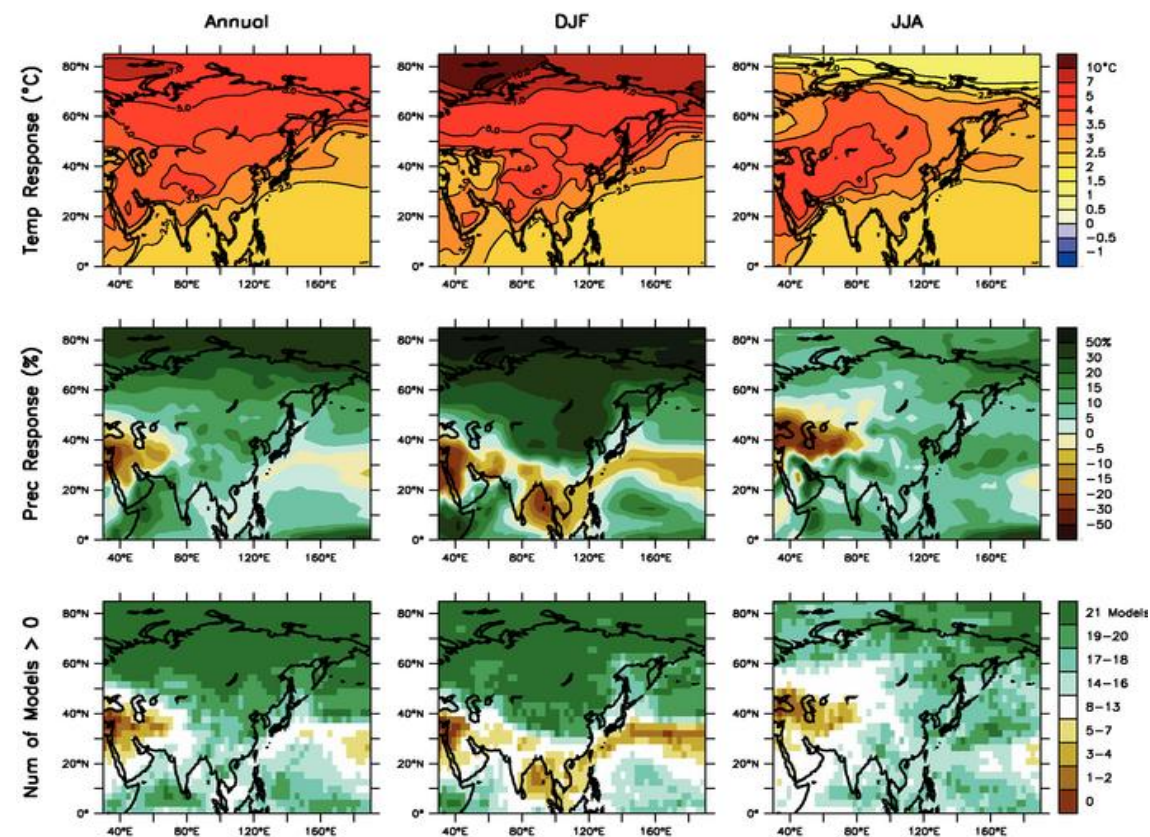
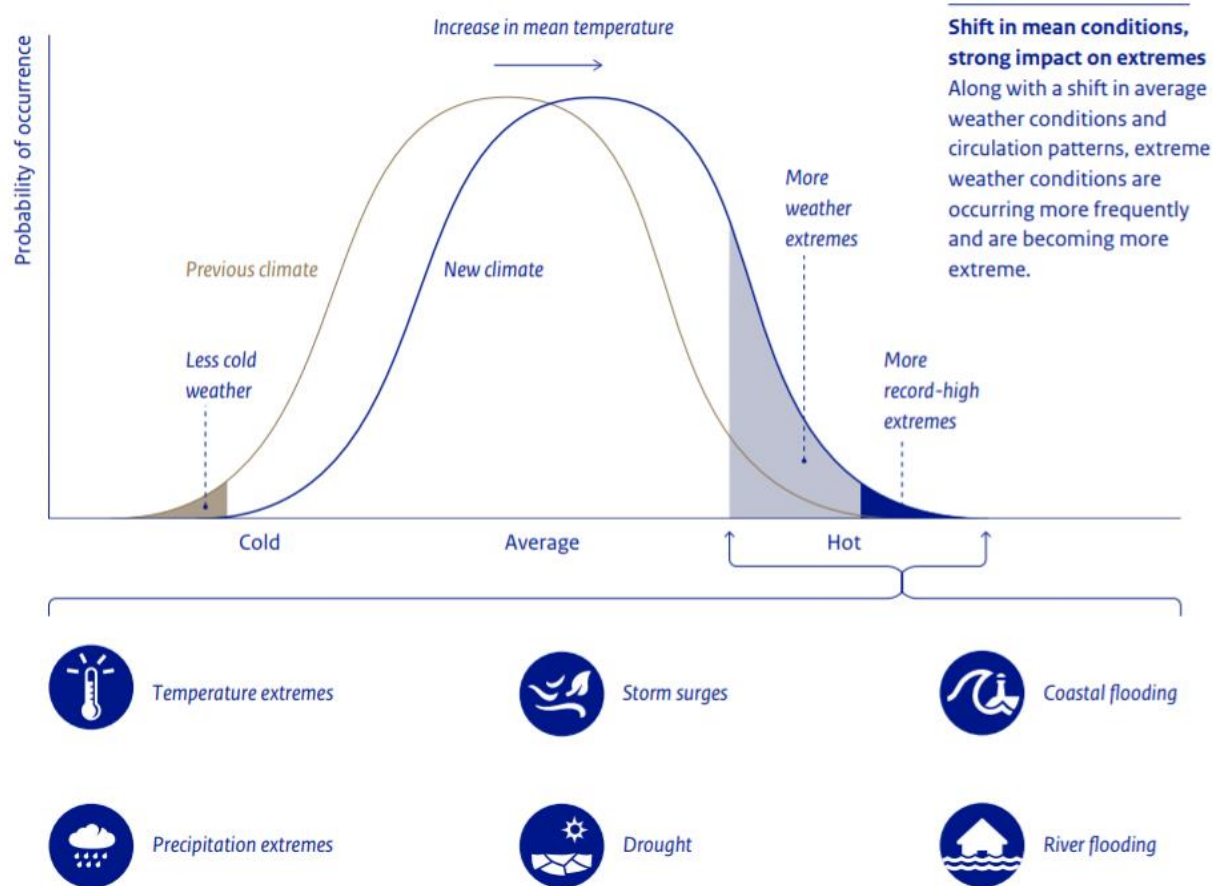
Climate Resilient Water Management



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Action on Climate Today
Oxford Policy Management

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Climate Change Impact : Greater Extreme Events



https://www.ipcc.ch/publications_and_data/ar4/wg1/en/fig/figure-11-9-l.png

Source: The Geography of Future Water Challenges



Action on Climate Today

ACT Climate Proofing Growth and Development

6 Countries – Afghanistan, Pakistan, Nepal, India and Bangladesh

7 Thematic Areas – Water, Agriculture, Forests, Health, Coastal, Urban & NRM

Building capacity, upgrading systems, reforming policies &
Raising Finance

Enabling Communities of Practice to act together
and learn from each other

Engaging Private sector to leverage more Climate
Finance



Entry points for Climate Resilient Water Management

Water Resource Assessment

Water Supply Augmentation

- Large water infrastructure
- Local-level water infrastructure
- Reusing municipal wastewater

Water Demand Management

- Reducing water demand
- Water allocation

Water Resource Management

Management of extreme events

Integrated Flood Management

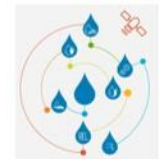
- Reducing Flood Risk
- Flood Control Measures
- Advance Flood Preparation
- Flood Rescue and Post Flood Rehabilitation

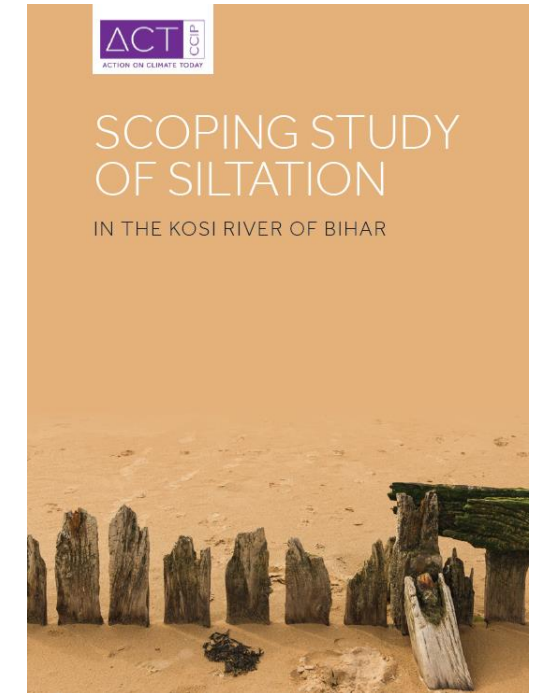
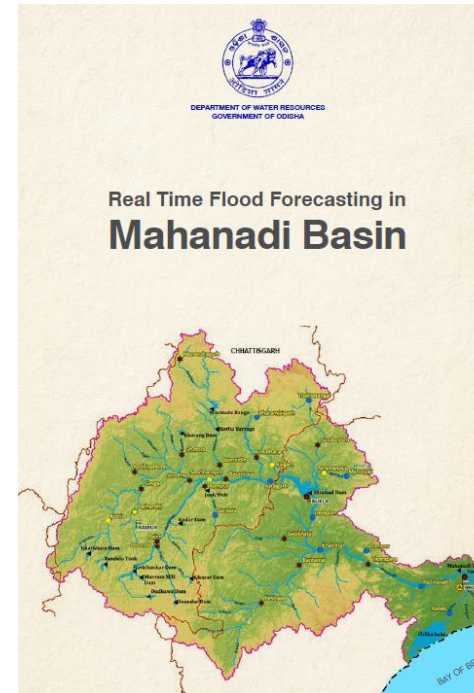
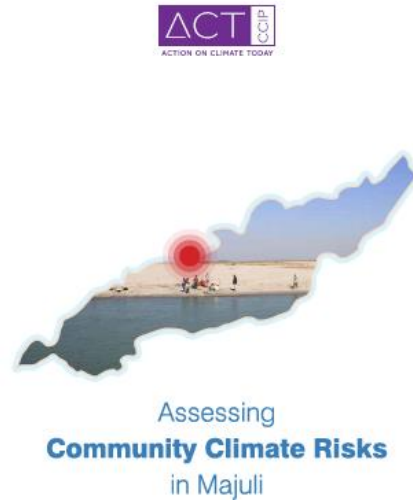
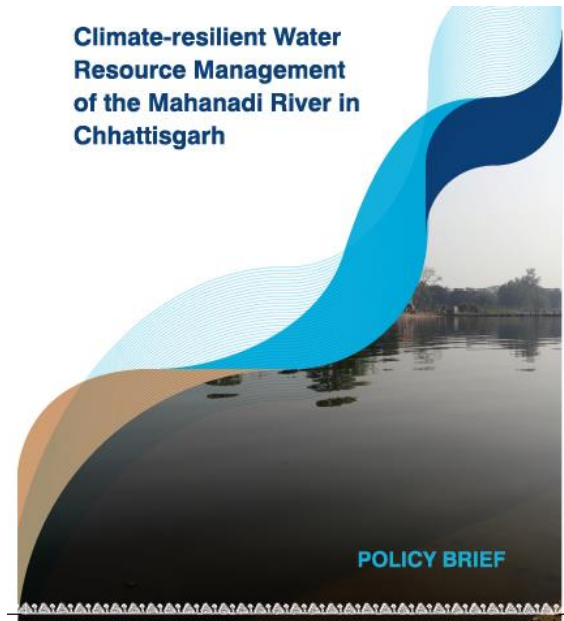
Drought Management

- Advance drought preparedness
- Post drought rehabilitation

- National and state water policies
- Policies to support watershed management
- Energy policies should not encourage excessive groundwater abstraction
- Water laws
- Agriculture policies should align food production to regional water resource endowments

Supporting Environment

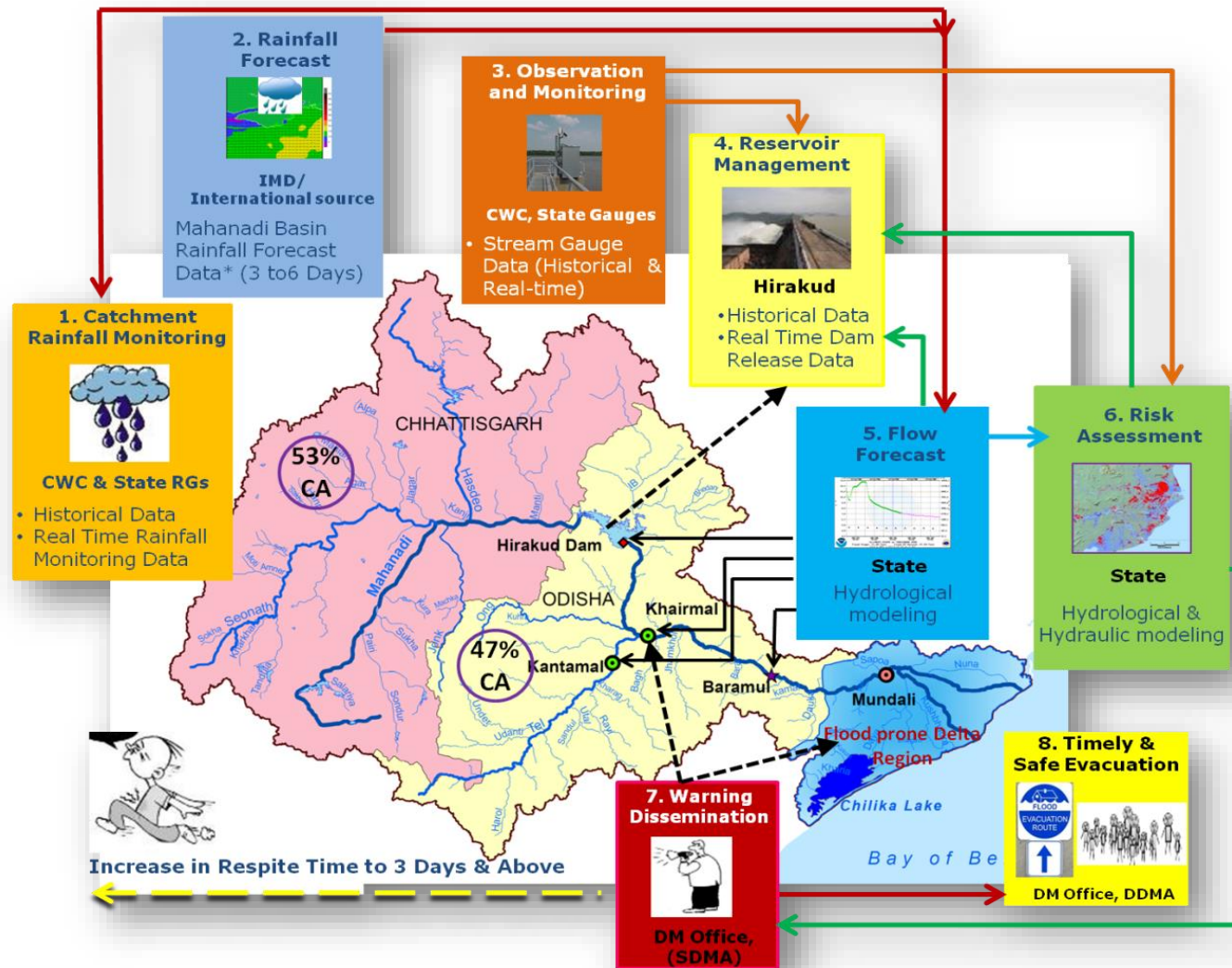




Different Approaches to CRWM

www.actiononclimate.today

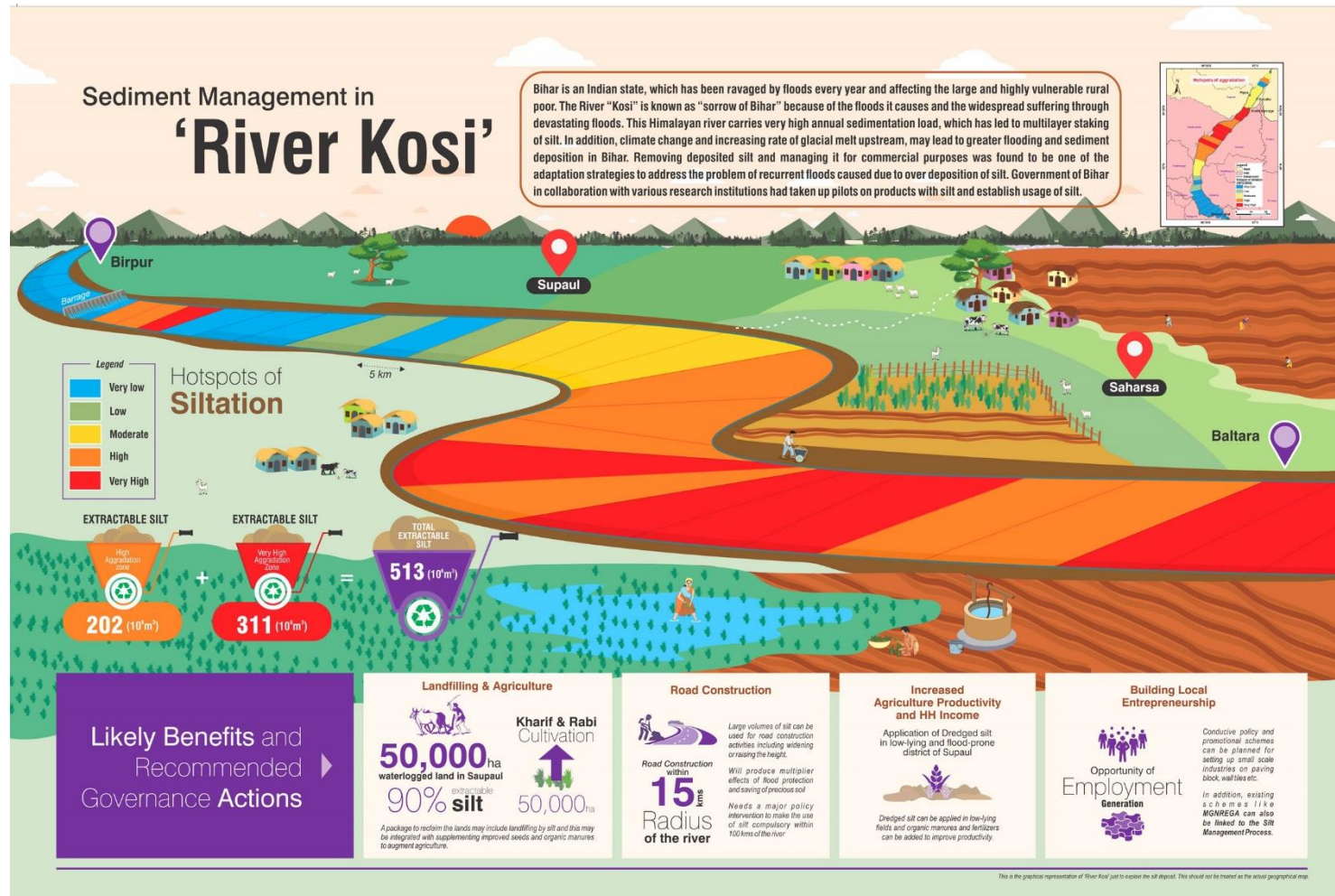
1- Using climate information in decision-making



- Devastating floods in Odisha a persistent challenge, warning time currently is around 8 hours, a longer warning period was Governments primary ask
- Entry point is disaster management and information however focus is towards making flood plan management and reservoir management climate aware if not climate proofed.



2- Connecting the dots - Innovative Entry Points

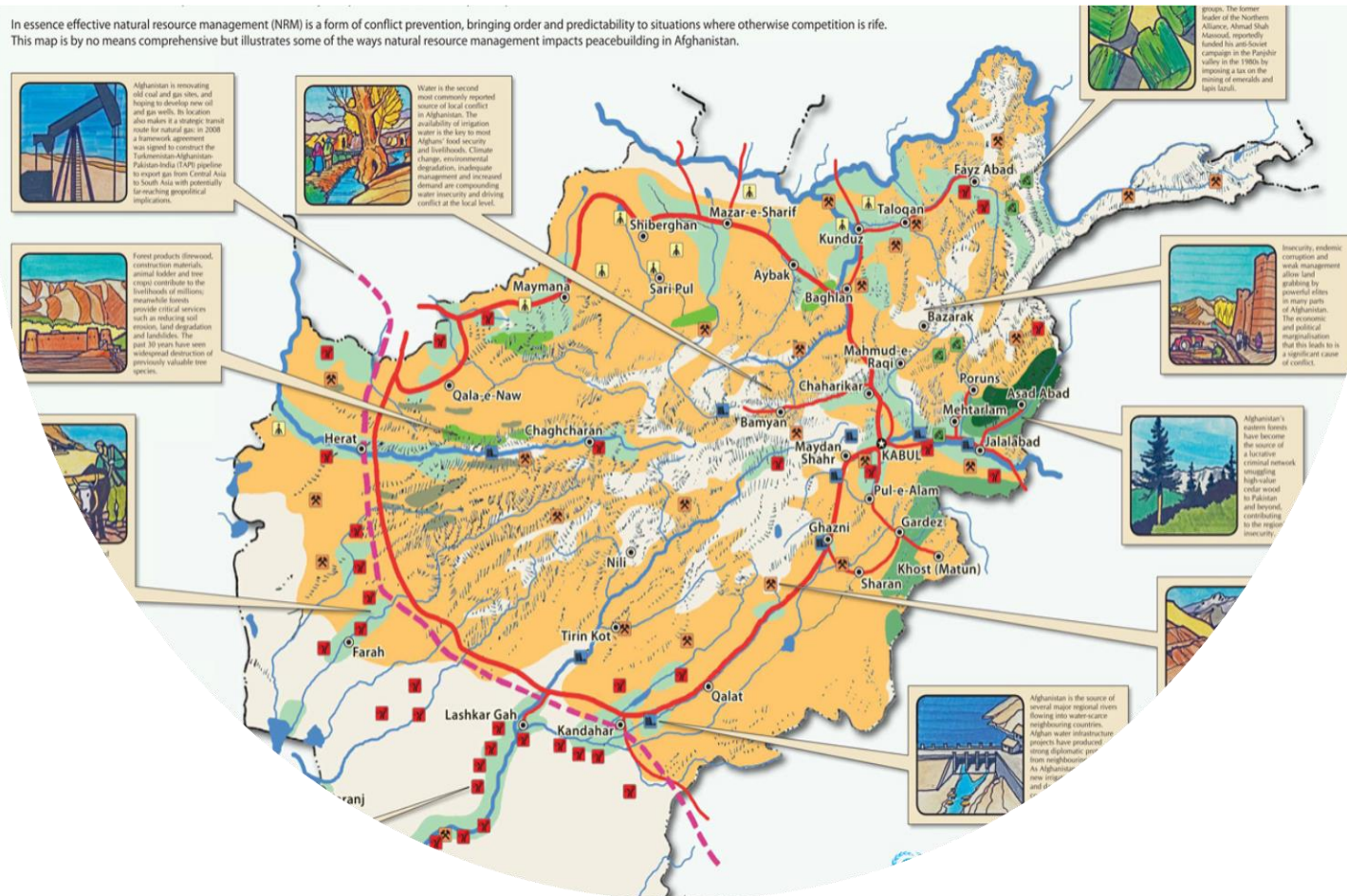


- Devastating floods in Bihar is a major challenge, crop & livelihood losses, along with damage to property and life was the pressing need to be addressed. Politically Silt is major issue for the state.
- Entry point is sediment management, offering solution to a critical need while addressing climate proofing of flood management and agriculture management.

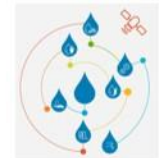


3- Protect and Increase the Buffer- Innovative entry point

In essence effective natural resource management (NRM) is a form of conflict prevention, bringing order and predictability to situations where otherwise competition is rife. This map is by no means comprehensive but illustrates some of the ways natural resource management impacts peacebuilding in Afghanistan.



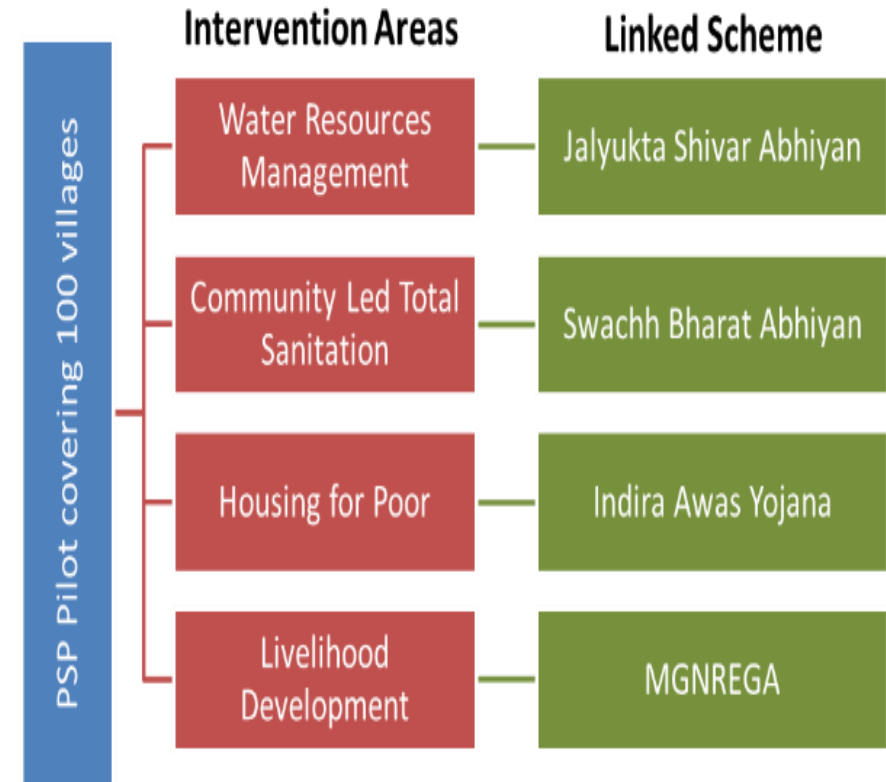
- Amidst security concerns climate proofing water resource management was at the rock bottom of the priorities in Afghanistan
- Approaching the issue of climate proofing water resource management could be achieved through enhancing the thematic area to natural resource management, focusing on increasing the buffer resulting in Government now allocating funds



4. Enhance the support base - Engaging Private Sector



PSP Pilot Location: Chandrapur district



Extending the PPP model to Climate Resilience building projects



Conclusions – A Framework to Summarize

- Simple framework to identify entry points for climate resilient water Management
- Solutions may exist outside of the “water box”
- Not all solutions are technological – working on policy and enabling environments can be transformative
- Innovative entry point is a key to the success
- Increasing the cadre’ of supporters is critical

