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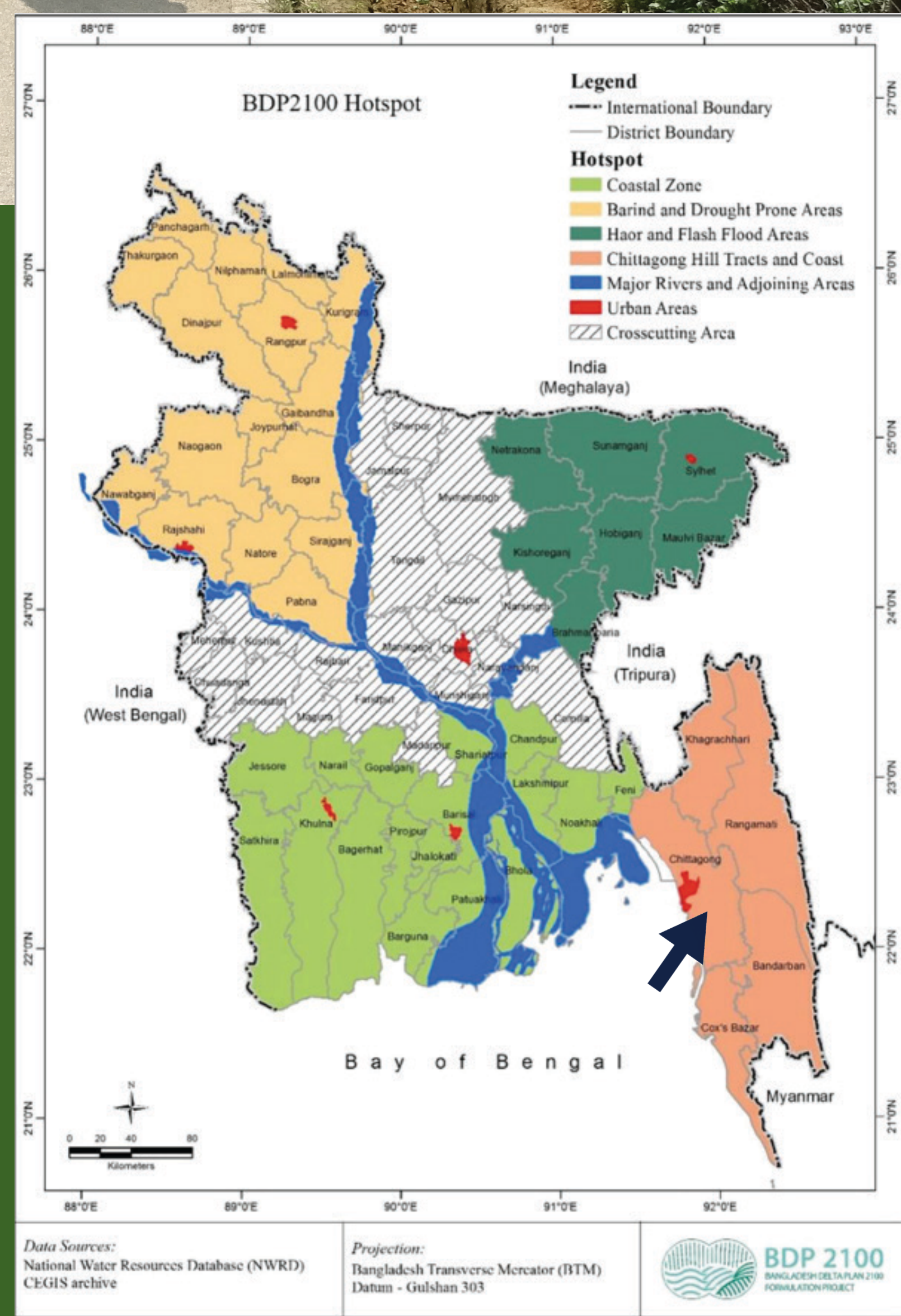
GFDRR
Global Facility for Disaster Reduction and Recovery



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Green Roads for Water Hotspot: Chattogram Hill Tracts



Opportunities and Challenges

- 1 Preserve and capturing springs.**
 - ➔ Develop roadside spring boxes with outlets and slope protection; also increase recharge in the spring sheds
- 2 Stabilize roadside hill slopes, reduce erosion.**
 - ➔ Use bio-engineering techniques to reduce risk of erosion, slips and landslides – with plants and small civil engineering measures catching, erosion, and armouring, reinforcing, anchoring, supporting and draining vulnerable slopes
- 3 Water harvesting from roads.**
 - ➔ Use road drainage system to collect run-off from road slopes and route to safe disposal recharge/ storage areas
- 4 Optimize multiple functions with well-planned roadside vegetation.**
 - ➔ Vegetation planting and species selection for direct productive use, embankment stability, dust/ pollution control, noise reduction, biodiversity



Examples of techniques



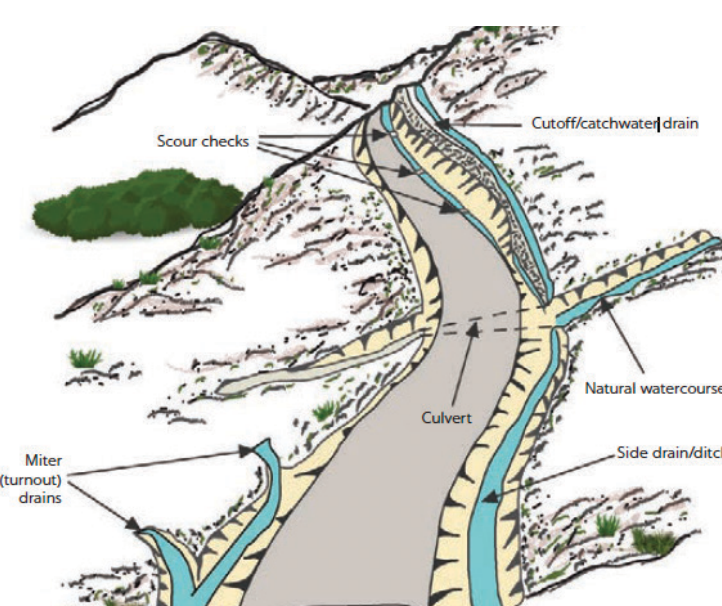
Roadside spring capture and protection



Spring shed improvement to enhance recharge



Bio-engineering to stabilize road slopes



Develop road drainage system to capture run-off and feed water storage



Increasing Resilience of Rural Infrastructure and Local Communities through Green Roads Concept