Mastering Disaster in the Anthropocene: Reconciling DRR and Climate Frameworks

Green Infrastructure as a Risk Reduction Approach

Jonathan Cook

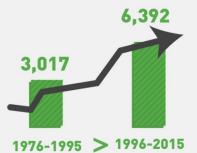
Senior Climate Adaptation Specialist, USAID



7,056
disasters recorded worldwide

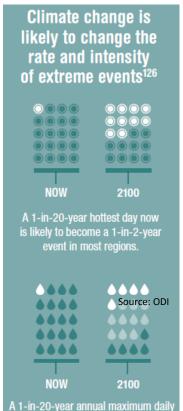


the number of climate-related disasters doubled over the past forty years



(Global Report on Internal Displacement, 2016)

climate-related disasters



rainfall is likely to become a 1-in-5 to 1-in-15-year event in many regions.









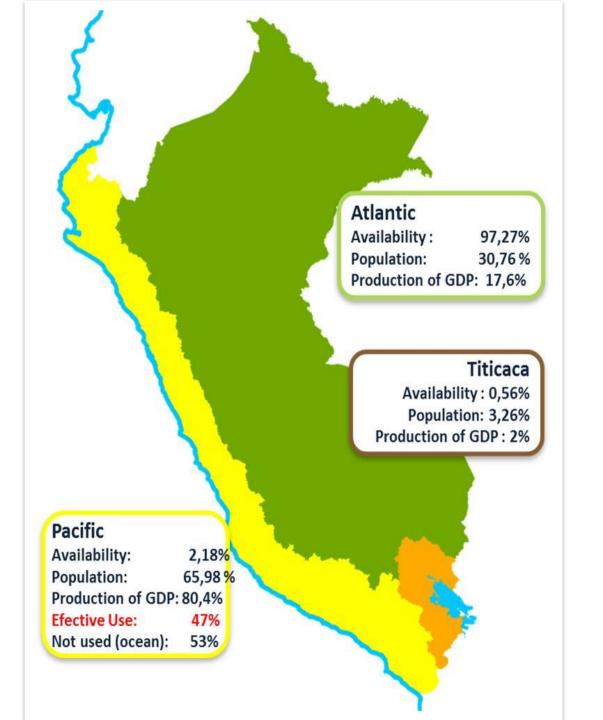
Source: REDDOM

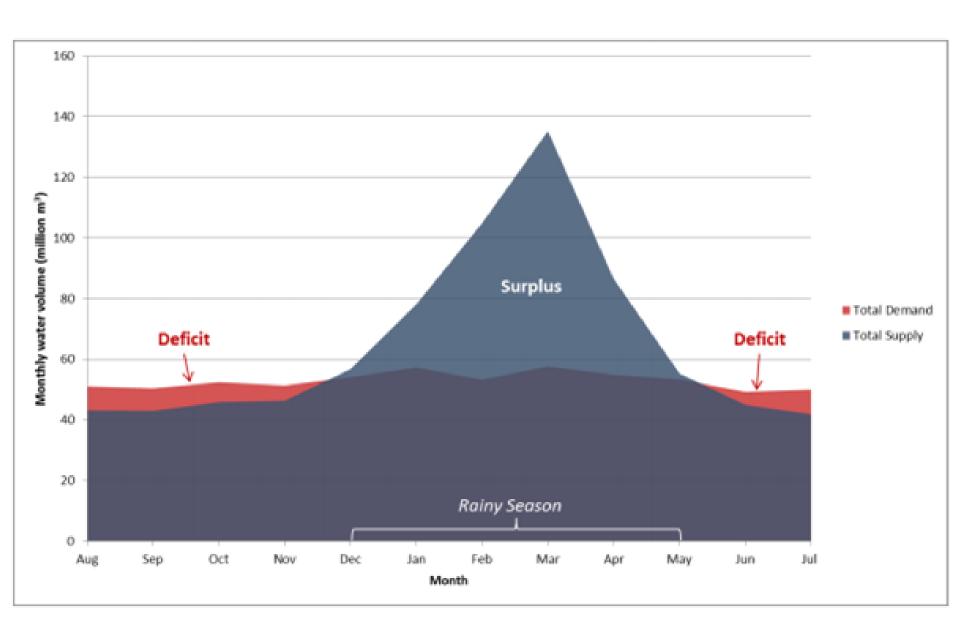






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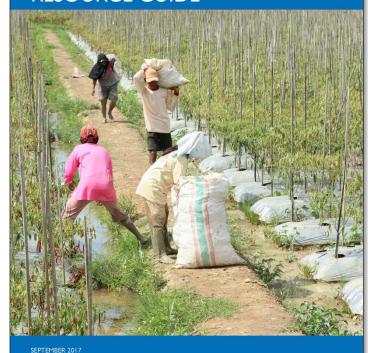








GREEN INFRASTRUCTURE RESOURCE GUIDE



www.climatelinks.org



EVIDENCE SUMMARY

Ecosystem-based Adaptation and Water Security



resh water sustains all life and is an essential requirement for human development. Globally, many comman water-stressed, and an estimated i. I.B billion people are projected to live in areas with absolute water scarcity by 2025 (UNDP 2014). Communities rely on secure water resources for a wide array of purposes, including direct consumption, household use, irrigation, energy production, and sanitation and hygiene. How global temperatures increase and procipitation patterns change, floods, droughts and sendotrarium righters of which are also processed and sendotrarium righters of the procipitation patterns change, floods, droughts and storms are fillingly to become more frequent and severe, which will impact water security, in many areas, climate stressors can also worsen the water stress afready caused by human activity, such as overcommyption of water resources, thus further threatening water security and resulting in direct socio-economic and health impacts on the most vulnerable

Ecosystem-based adaptation (EbA) is a nature-based method to address water insecurity and climate change adaptation by strengthening natural systems, conserving biodiversity and maintaining the goods and services that ecosystems provide for human development. EbA approaches to address water insecurity can also provide important benefits for other development sectors that rely on sustainable and dean sources of water.



Restoring Coral Reefs in the Face of **Climate Change in the Seychelles**



Project at a Glance



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Ecosystem-based Adaptation and Extreme Events



Extreme weather and other climate events, such as floods, droughts, storms and reas, waves, pose considerable risks to communities and reverse development gains. As the climate warms, these events are likely to increase in frequency and intensity. Because extreme events often have a considerable now faithing there is an urgency to implement strategies. greater impacts on the most vulnerable populations, there is an urgency to implement strategies that will improve resilience. Ecosystem-based adaptation (EbA) is a nature-based method for climate change adaptation that can reduce the vulnerability of societies and economies to extreme events. EbA provides flexible and cost-effective approaches that enhance resilience through the improved management and conservation of ecosystems. EbA can be an effective adaptation strategy alone or as an element of broader national, regional and community

USAID

Maintaining Water Security in Critical Water Catchments in Mongolia



Project at a Glance

The Econystem-based Adoptison Alephasish 1st Moreauring Water Security on Credit Water Continents in Mangalo project assists whemsible in communities in how are in multi Mangalo like Pala Moreauria and Chemistra Called Lisies Basin econogion and the Estatem Supple econogion) adject to climate dusing Mangalo and the Security with the prespection made (50 to 400 mm per year) and to be groundwater rechange. The country's watershed are varied project pressure from challe the transcript Adoption and the Security watershed are varied project pressure from challe the transcript Adoption and the Security Adoption of the Chemistry Adoption of

