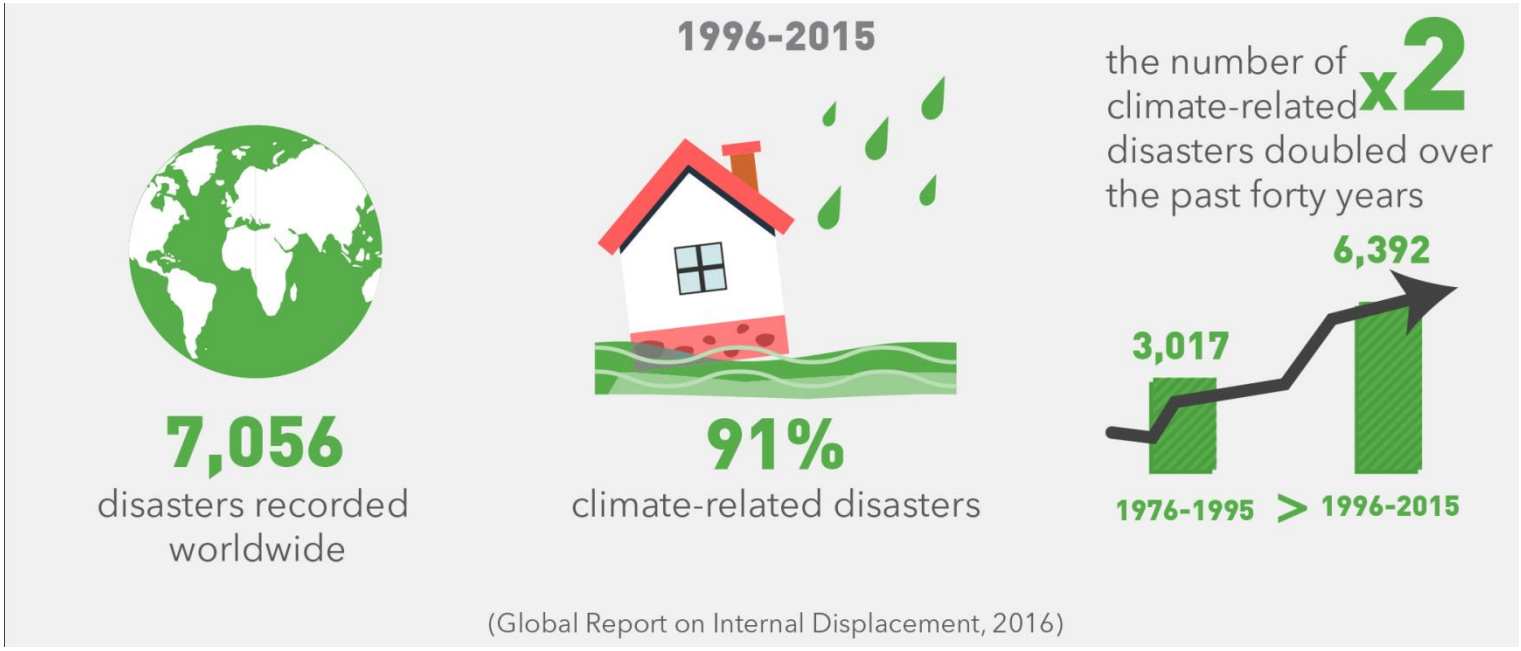
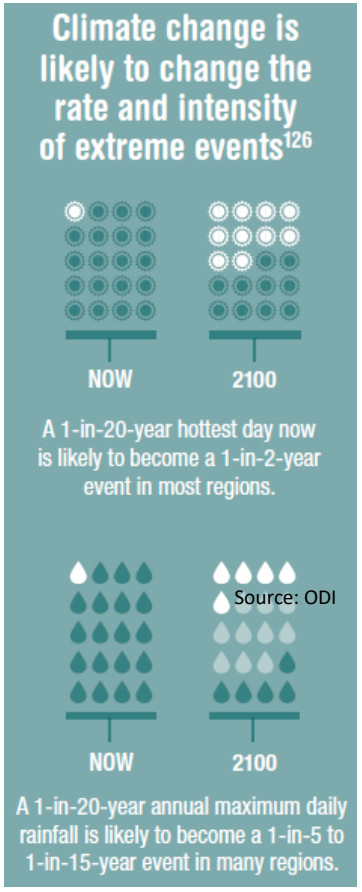
Mastering Disaster in the Anthropocene: Reconciling DRR and Climate Frameworks

Green Infrastructure as a Risk Reduction Approach

Jonathan Cook

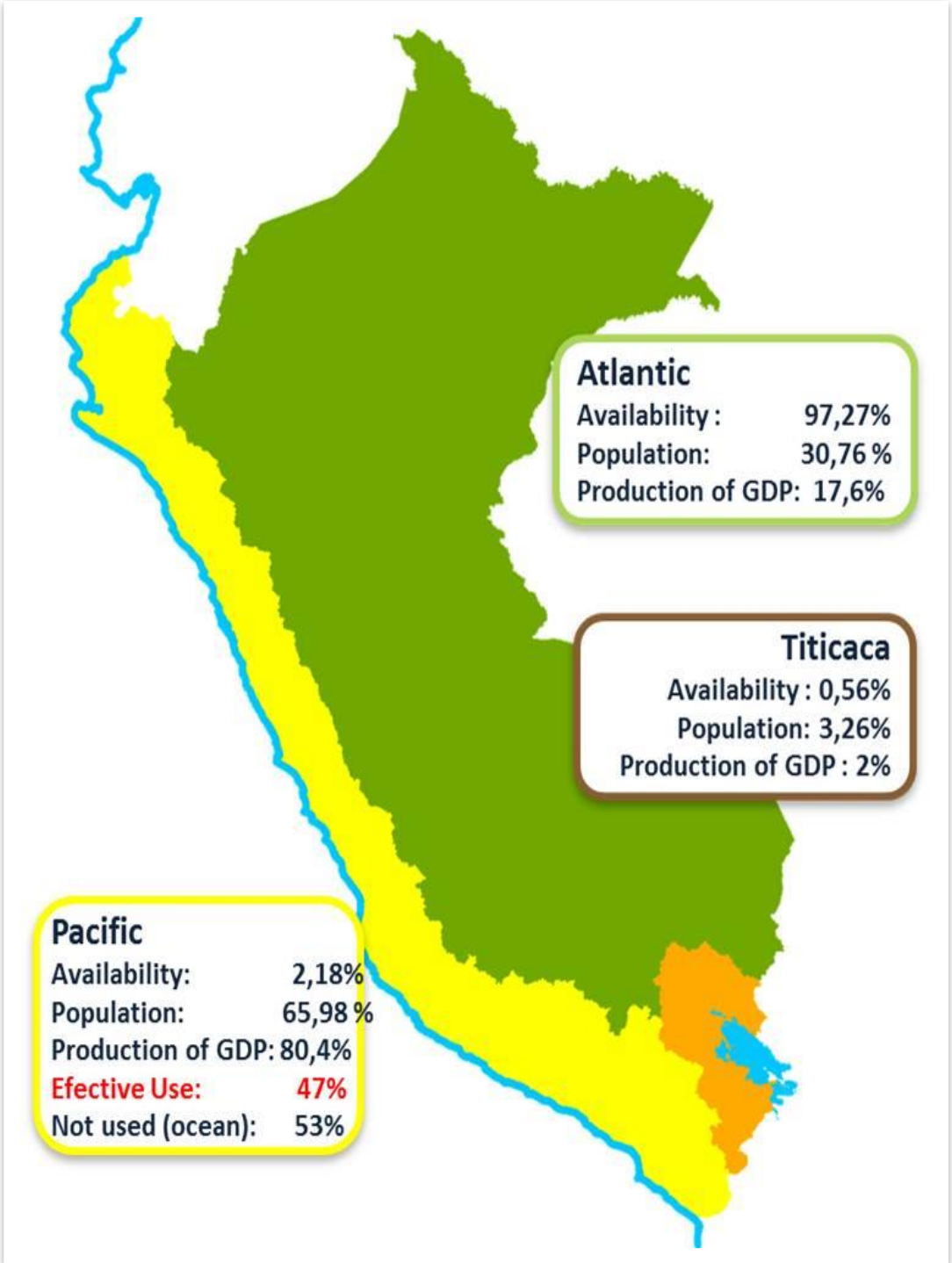
Senior Climate Adaptation Specialist, USAID

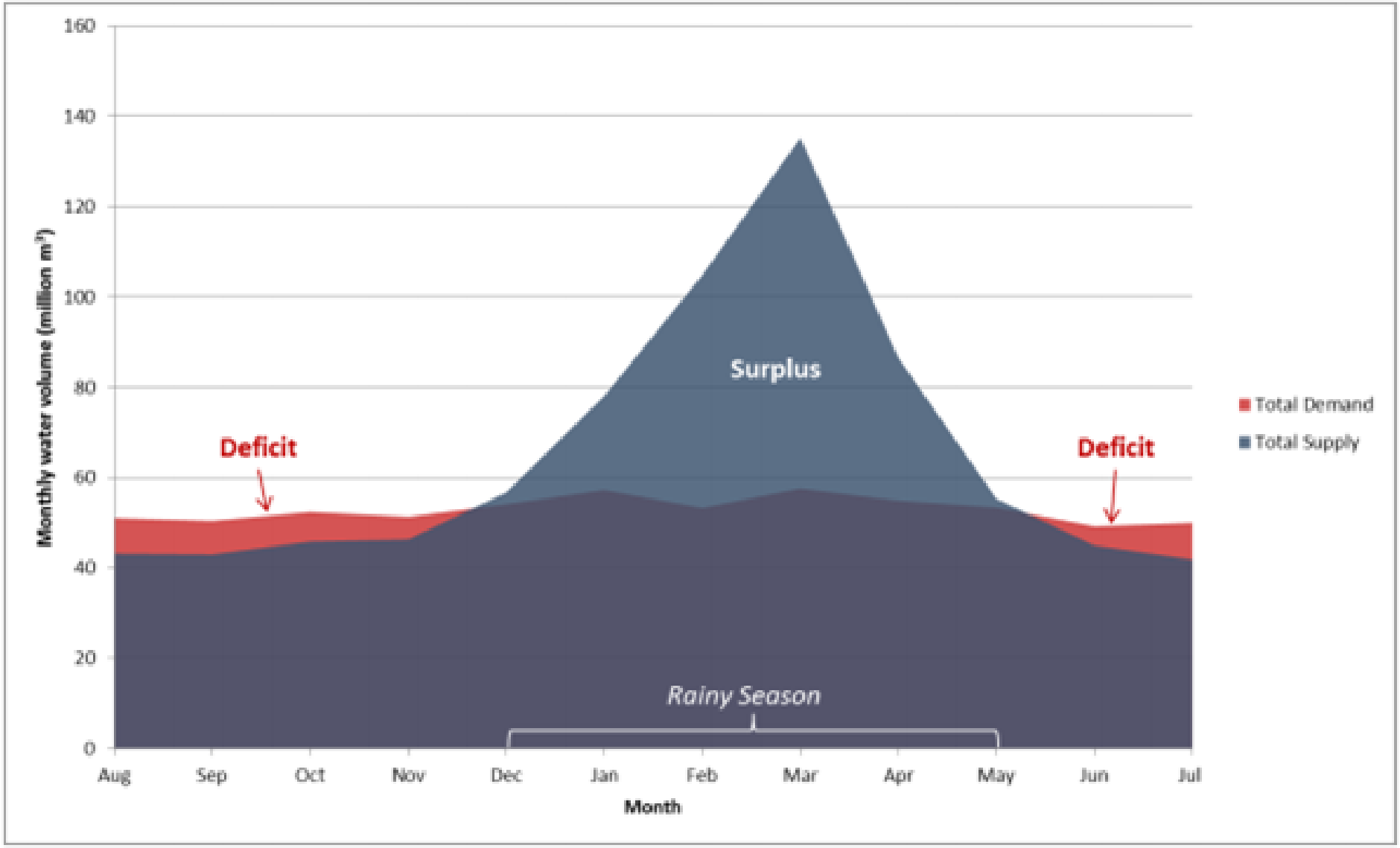

1996-2015
7,056
disasters recorded worldwide
91%
climate-related disasters
the number of climate-related disasters doubled over the past forty years
x2
6,392
3,017
1976-1995 > 1996-2015
(Global Report on Internal Displacement, 2016)

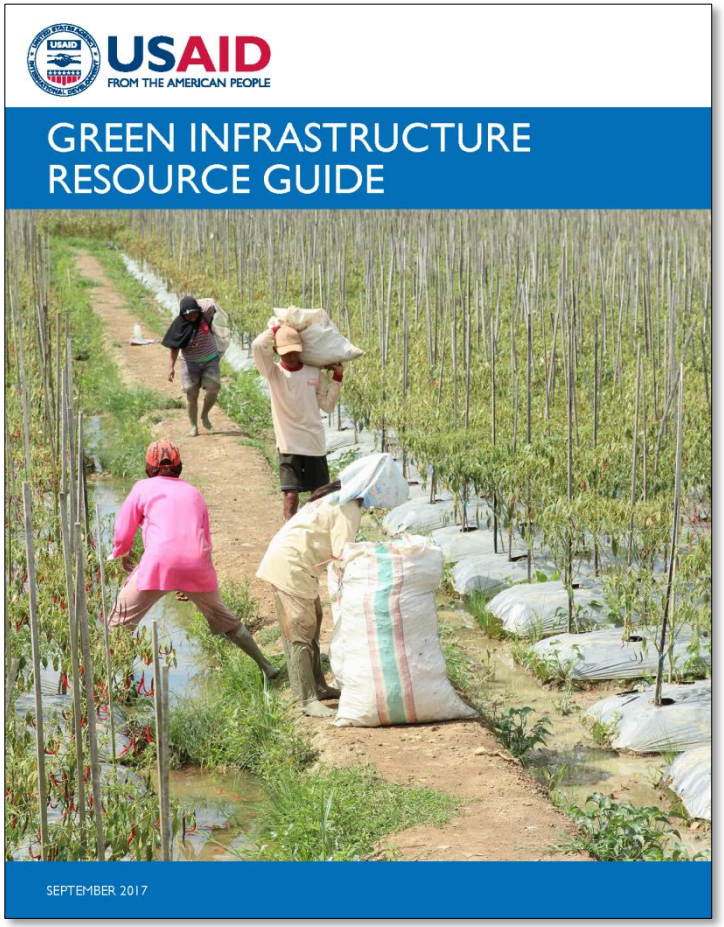

Climate change is likely to change the rate and intensity of extreme events[126]
NOW
2100
A 1-in-20-year hottest day now is likely to become a 1-in-2-year event in most regions.
Source: ODI
NOW
2100
A 1-in-20-year annual maximum daily rainfall is likely to become a 1-in-5 to 1-in-15-year event in many regions.

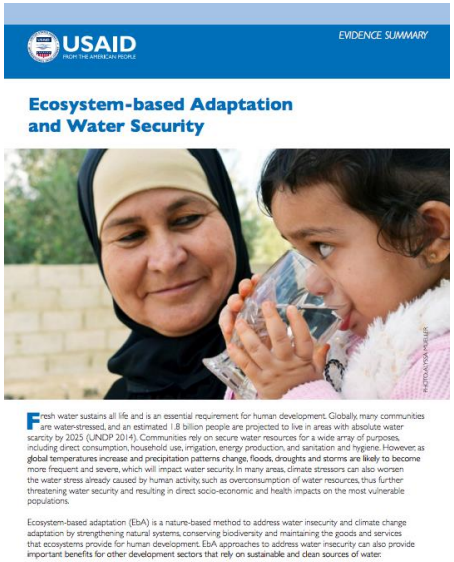
Source: REDDOM

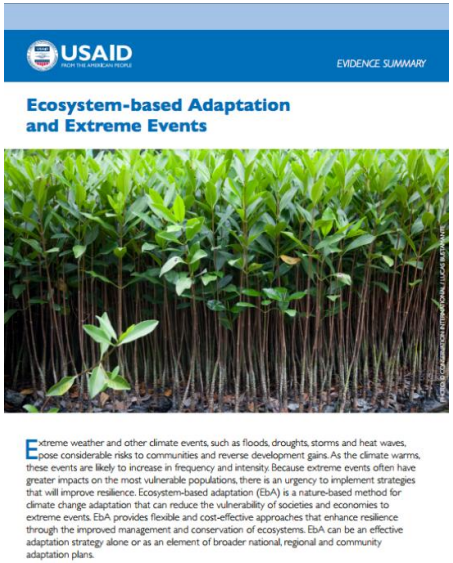
Source: REDDOM

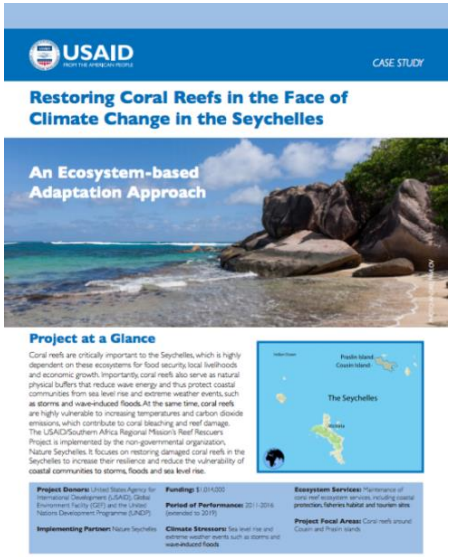

Atlantic
Availability : 97,27%
Population: 30,76 %
Production of GDP: 17,6%
Titicaca
Availability : 0,56%
Population: 3,26%
Production of GDP : 2%
Pacific
Availability: 2,18%
Population: 65,98 %
Production of GDP: 80,4%
Efective Use: 47%
Not used (ocean): 53%

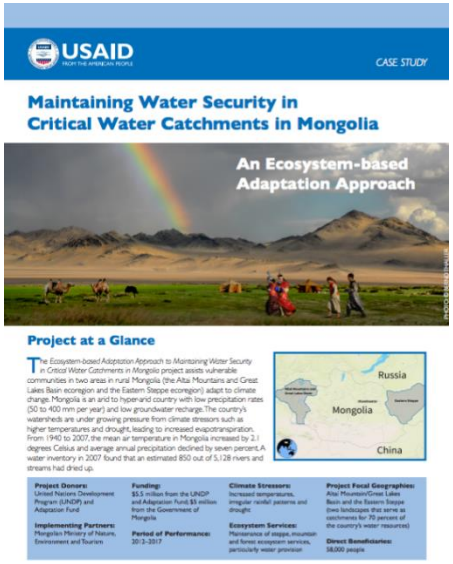

160
140
120
100
80
60
40
20
0
Monthly water volume (million m³)
Surplus
Deficit
Deficit
Rainy Season
Total Demand
Total Supply
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Month











www.climatelinks.org