

23rd OSCE Economic and Environmental Forum

FIRST PREPARATORY MEETING

**« Increasing water security through
effective water governance »**

**Dr Mohamed AIT KADI
Chair of GWP Technical Committee**

Vienna, January 26, 2015

Plan of this talk

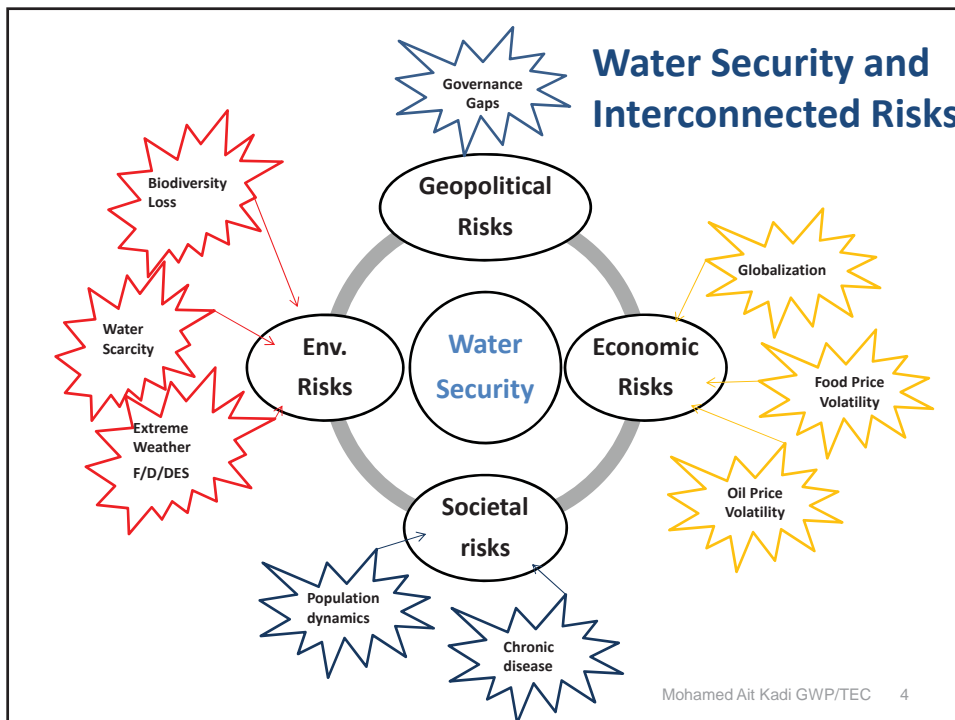
- 1. Why water security is a global concern?**
- 2. What actions do we need to enable effective governance and sustainable use of water resources?**

Water Security = A Global Concern



Ban Ki-Moon
Secretary - General
UN, New York

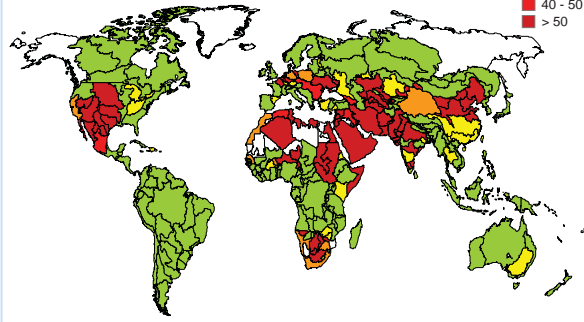
« As the global economy grows, so will its thirst. This is not an issue of rich or poor , north or south. All regions are experiencing the problem of water stress. There is still enough water for all of us – but only so long as we keep it clean, use it more wisely and share it fairly. Governments must engage and lead, and the private sector also has a role to play in this effort.. »



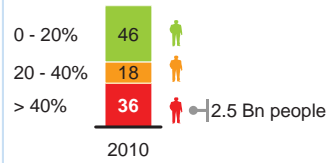
Already today, water-scarce regions account for 36% of global population (2.5 Bn) and 22% of global GDP (9.4 trillion USD)

2010

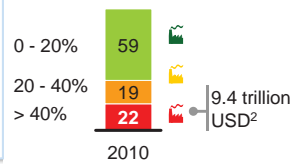
Water stress, percent of total renewable water withdrawn



How many people live in water short areas (%)?



How much GDP is generated in water scarce regions (%)?



1 >40% water stress
2 Year 2000 prices

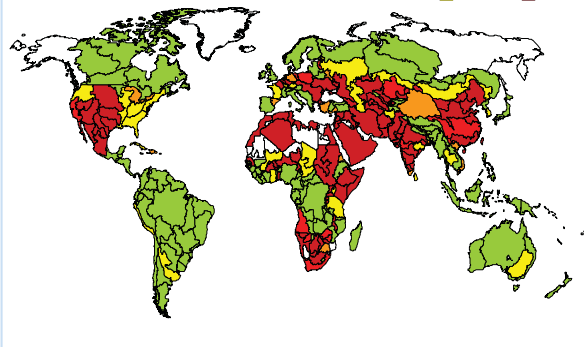
SOURCE: IFPRI

5

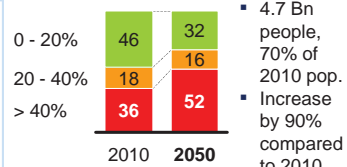
Under business-as-usual water productivity and medium growth, 52% of population and 45% of GDP are in regions at risk due to water stress

Business as usual (BAU) water productivity, medium growth, 2050

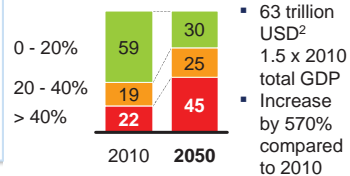
Water stress, percent of total renewable water withdrawn



How many people live in water short areas?



How much GDP is generated in water scarce regions?

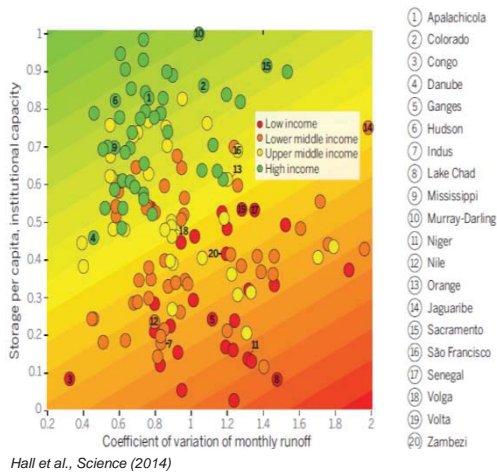


1 >40% water stress
2 Year 2000 prices

SOURCE: IFPRI; team analysis

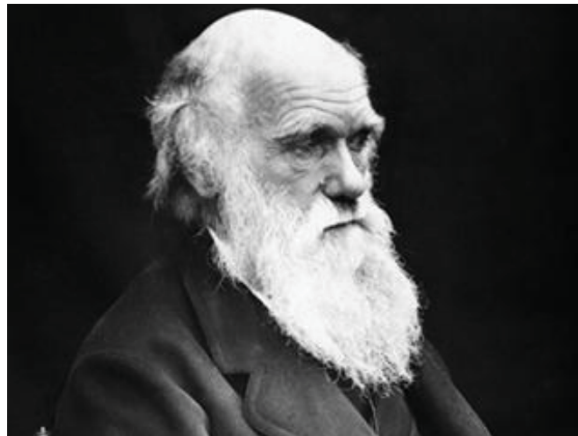
6

Water Endowments Matter



Countries with simple hydrologies & high investments in water security have high incomes

Basins with population > 2 million
Colors reflect GDP per capita
Horizontal axis = hydrological complexity
Vertical axis = investment in water security (storage, institutions, information)



It is not the strongest of the species that survive, nor the most intelligent, but the one most responsive to change.