

The United Nations World Water Development Report 2014

WATER AND ENERGY

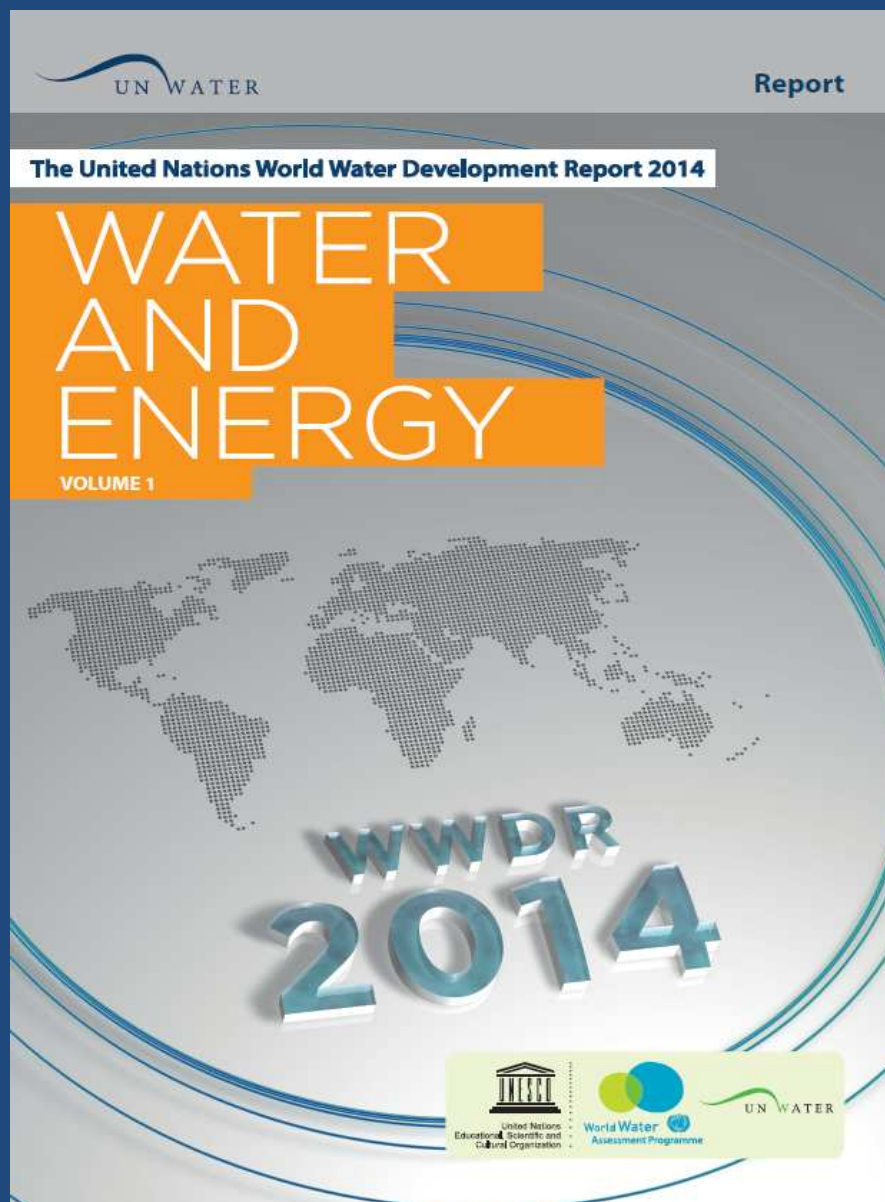
Main Messages from the WWDR 2014

Ana Persic, UNESCO New York Office
On behalf of

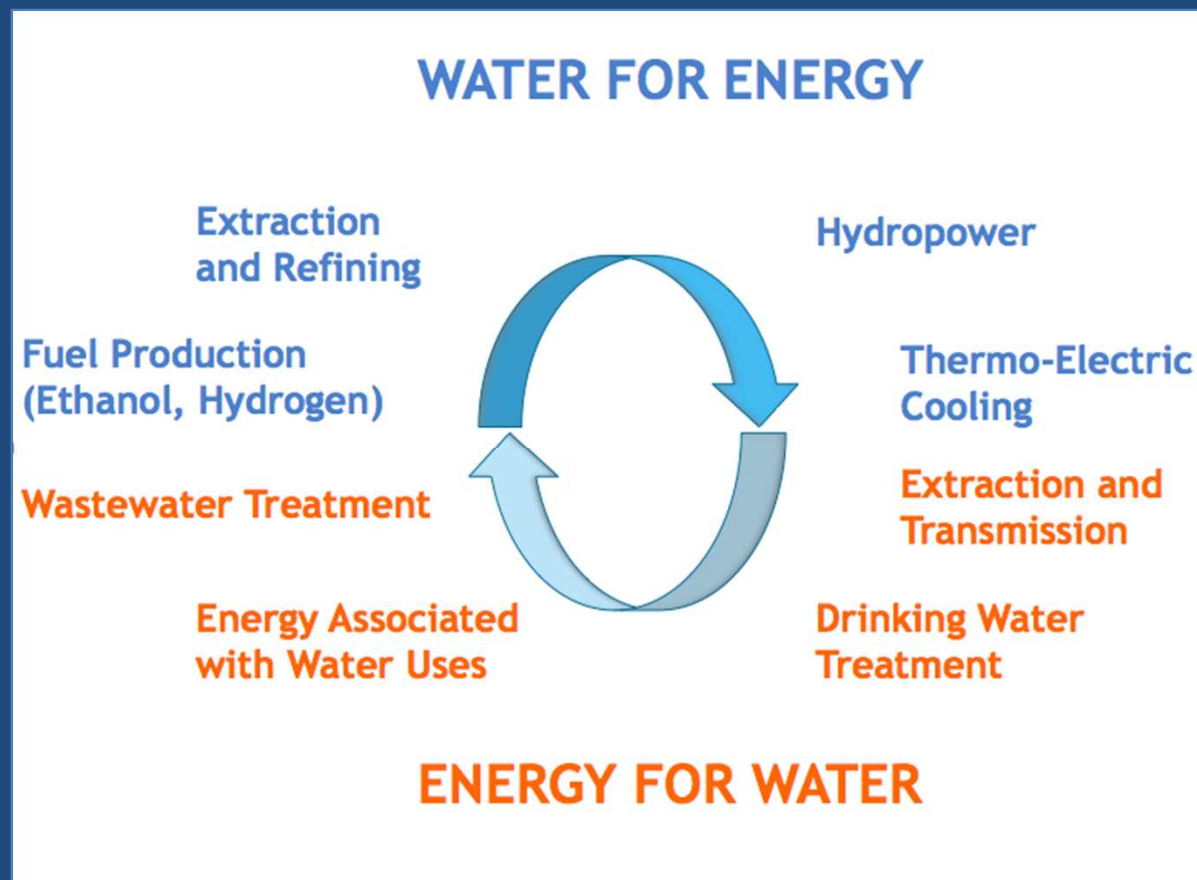
Richard Connor
Lead Author
WWDR

Main Messages

 WWDR 2014

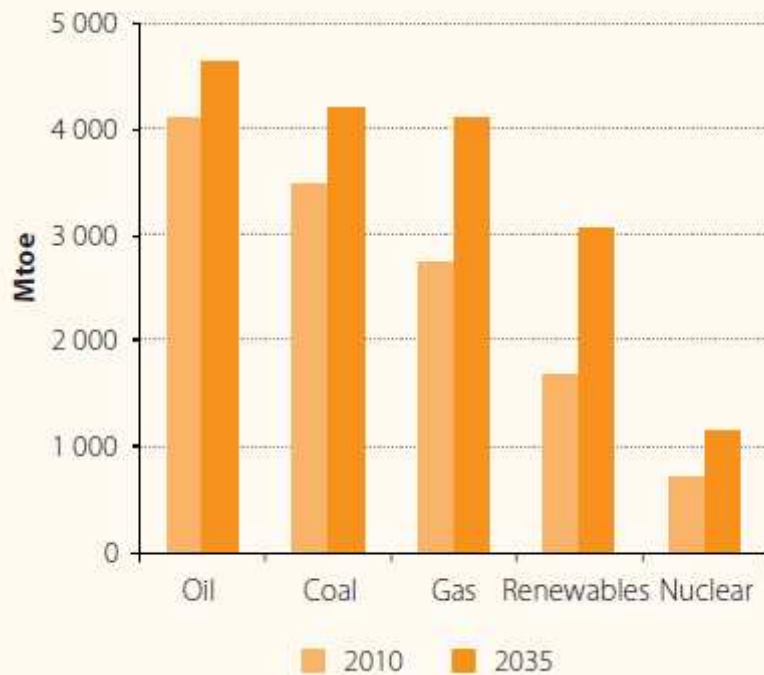


Water and energy are interdependent



Demand for energy and water is increasing worldwide

World primary energy demand by fuel in the New Policies Scenario

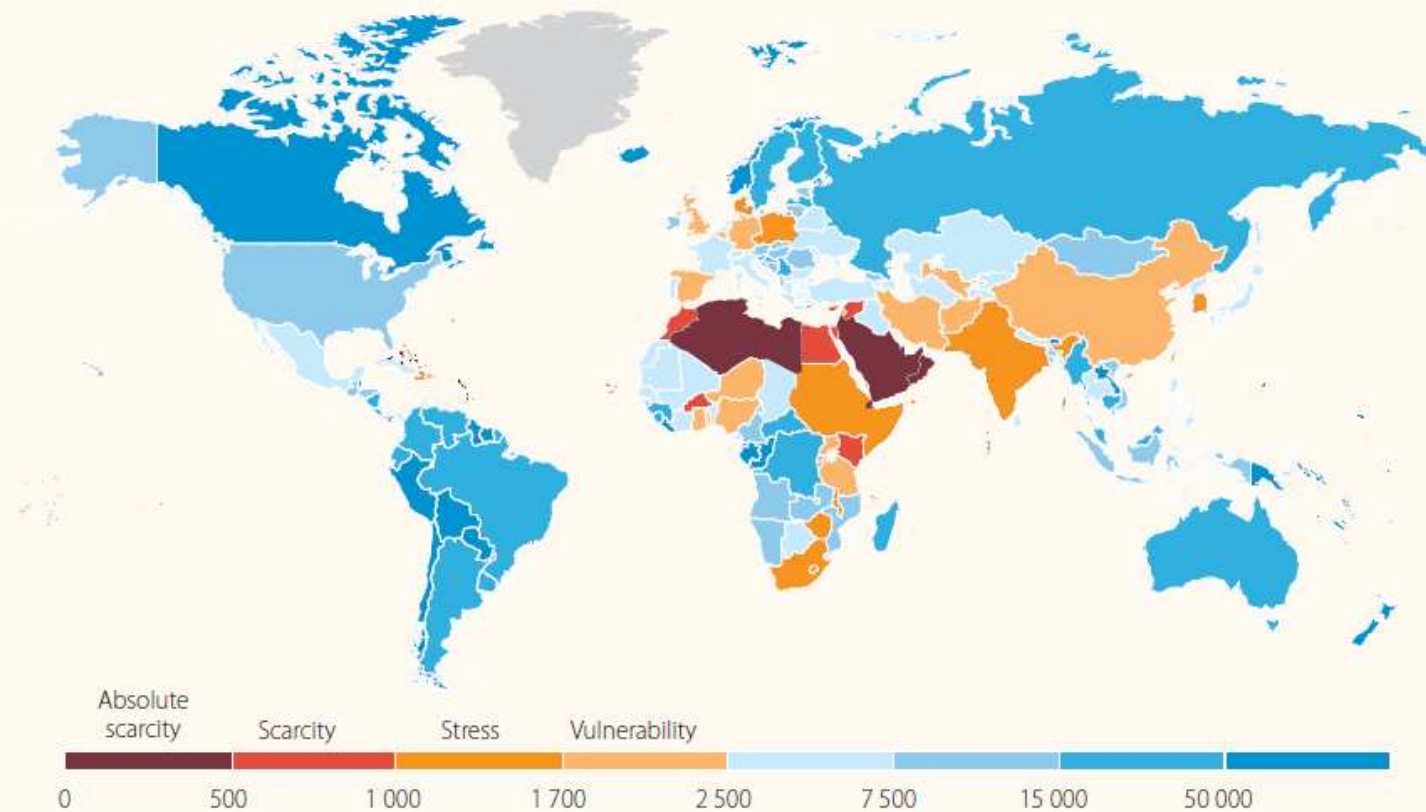


Global water demand (freshwater withdrawals): Baseline Scenario, 2000 and 2050



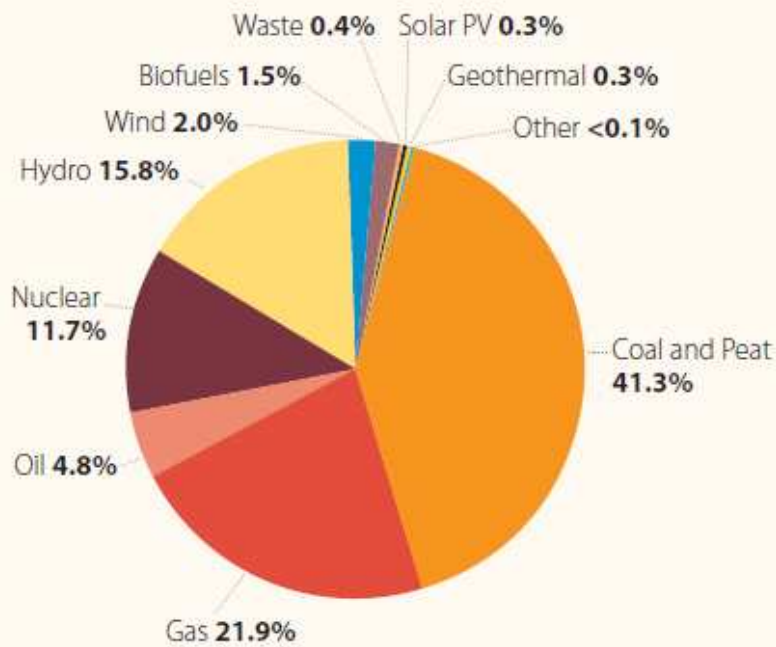
Water scarcity, stress and vulnerability

Total renewable water resources, 2011 (m³ per capita per year)

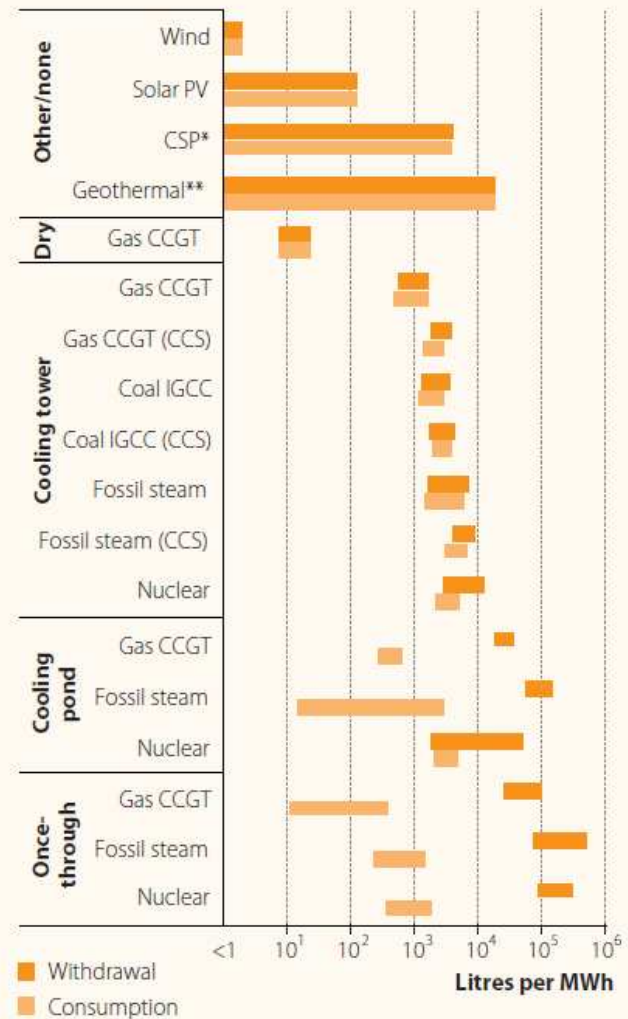


90% of global power generation is water-intensive

World electricity generation by source of energy as a percentage of world electricity generation, 2011

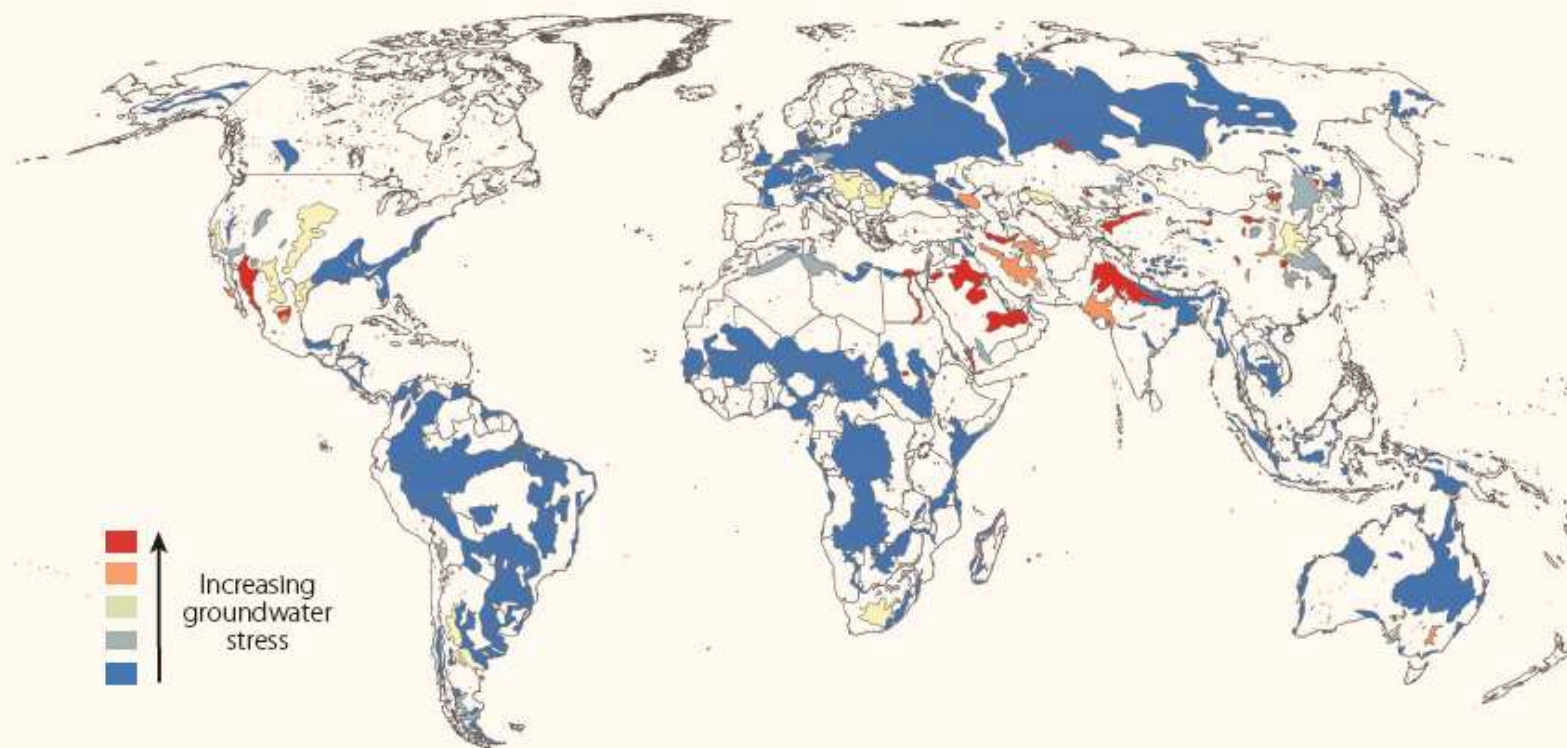


Water use for electricity generation by cooling technology



Groundwater under increasing stress

Water stress of aquifers important for farming

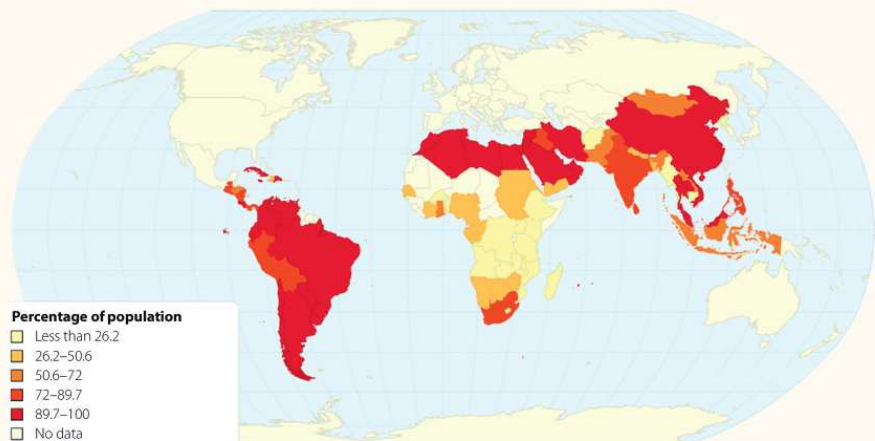


Access to water and energy

Freshwater and energy are crucial for human well being and socio-economic development

People without access to improved water	769 million
People whose right to water is not satisfied	3.5 billion
People without access to improved sanitation	2.5 billion
People lacking access to electricity	1.3 billion
People using solid fuels for cooking	2.6 billion

Access to electricity in developing countries as a percentage of the population, 2011



POPULATION USING SOLID FUELS FOR COOKING AND WITHOUT ACCESS TO ELECTRICITY, IMPROVED WATER AND SANITATION

THE CASE OF SUB-SAHARAN AFRICA
(selected representative countries):

Using solid fuel for cooking	No access to electricity	No access to improved water	No access to sanitation
78%	66%	31%	78%

Overcoming the barriers between water and energy



Appropriately pricing energy and water services



Room for private sector financing

Needs versus actual investment in infrastructure



Increase support for research and development

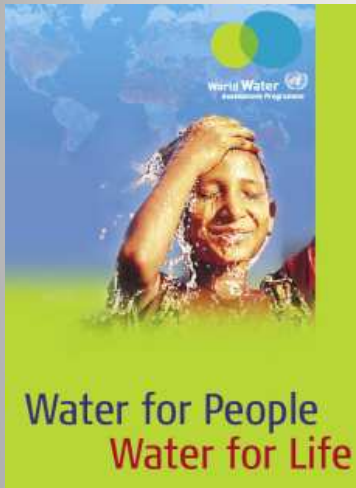


Water and energy at the heart of sustainable development

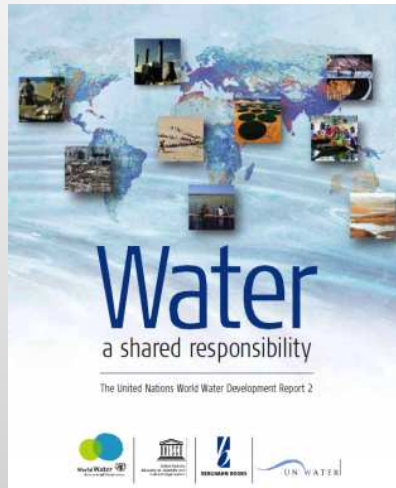


Addressing social and gender implications

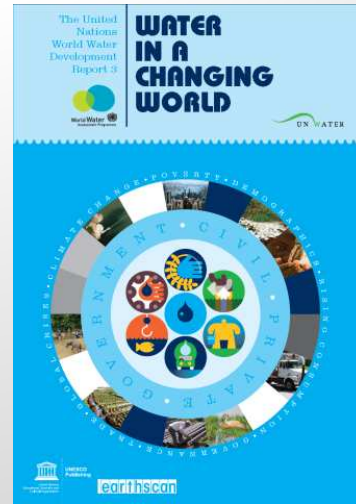




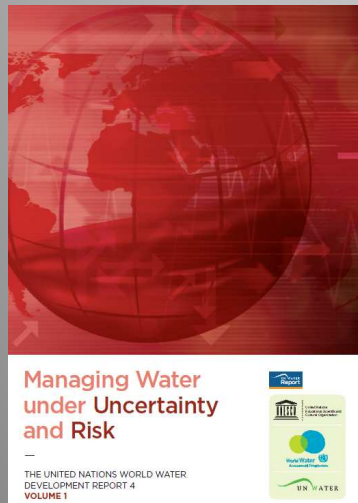
2003



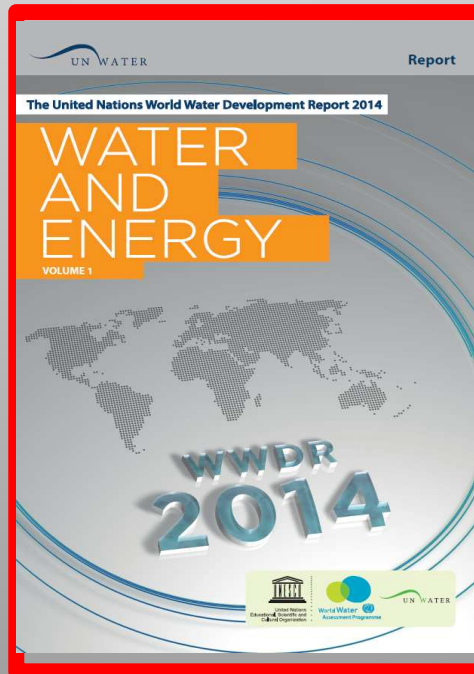
2006



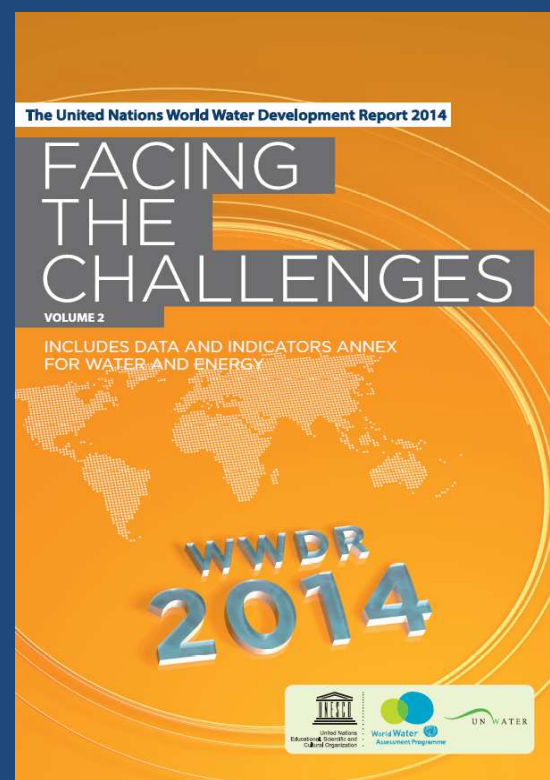
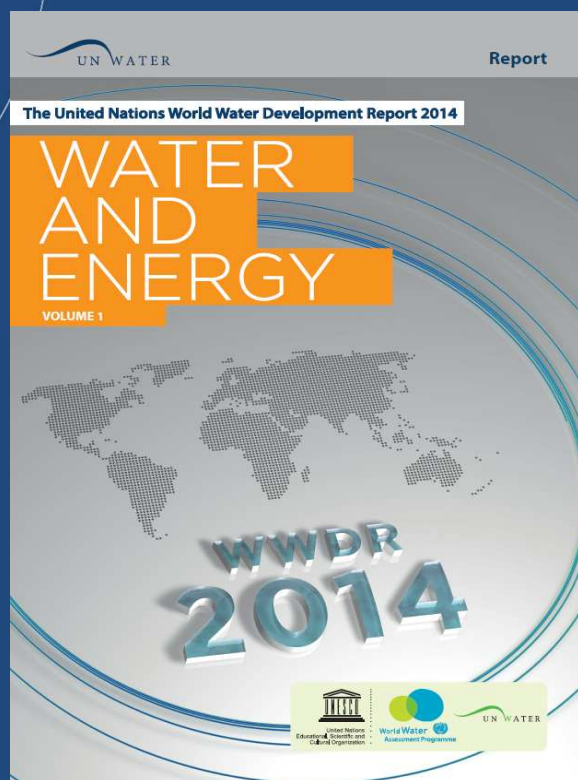
2009



2012



Thank You



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