

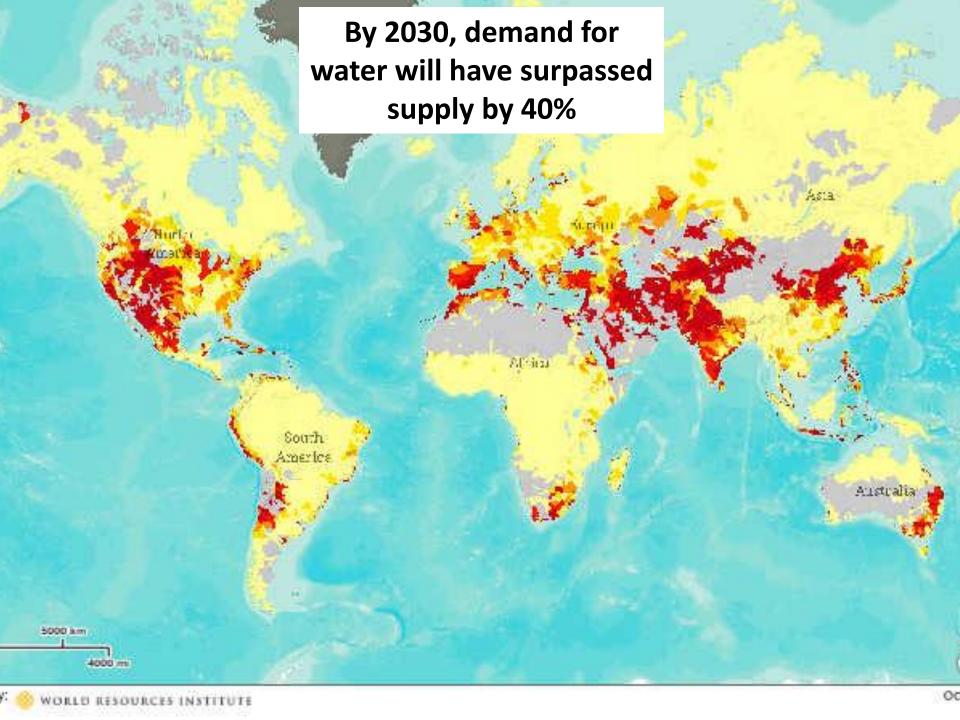
# Corporate sector engagement

World Parks Congress
Sydney, 2014

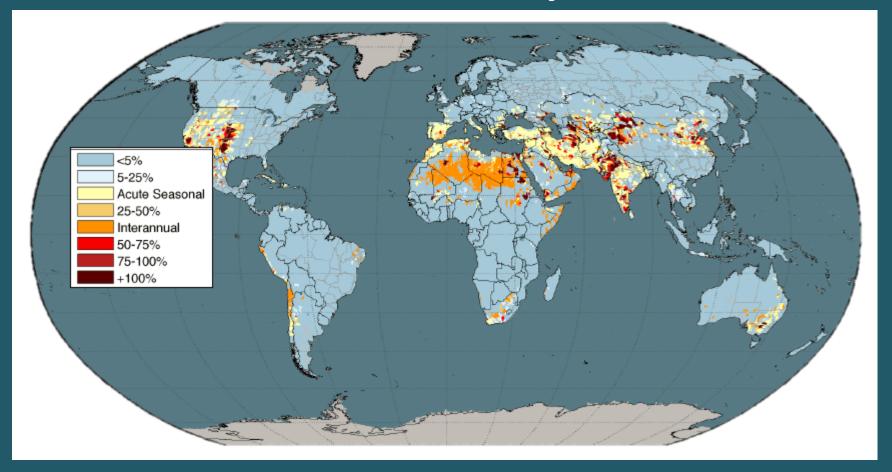
Fernando Veiga Water Security Manager NATURE PROVIDE SERVICES

TO THE HUMAN SOCIETIES 
FUNDAMENTAL ROLE TO SECURE WATER

AS GREEN INFRASTRUCTURE



### **Water Scarcity**



Water shortages are occurring in 20% of the planet's watersheds and aquifers

35% of the world's population is affected

60% of the world's irrigated acreage is affected

### What has changed?



Costs, Heighten Operational Risks

CDP Global Water Repor

#### Water is already halting progress in business

53%

Companies that have already suffered detrimental impacts from water

40% increase from 2011

Barrick Gold suspends construction of \$8.5 billion Pascua Lama Mine in Chile due to water risks and stringent permitting conditions

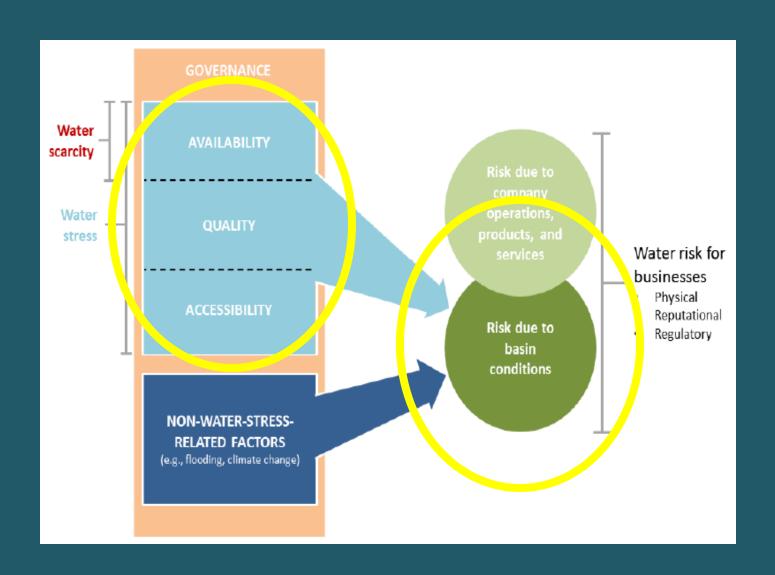




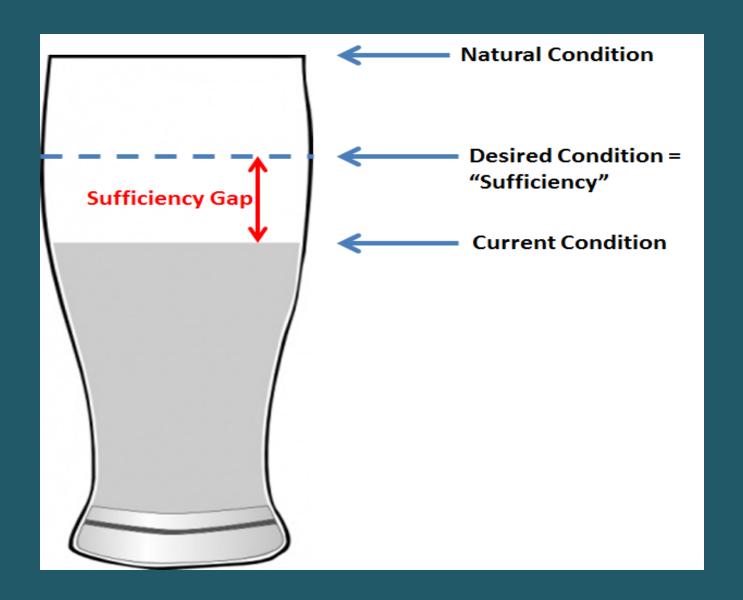


Water management is no longer a corporate social responsibility issue

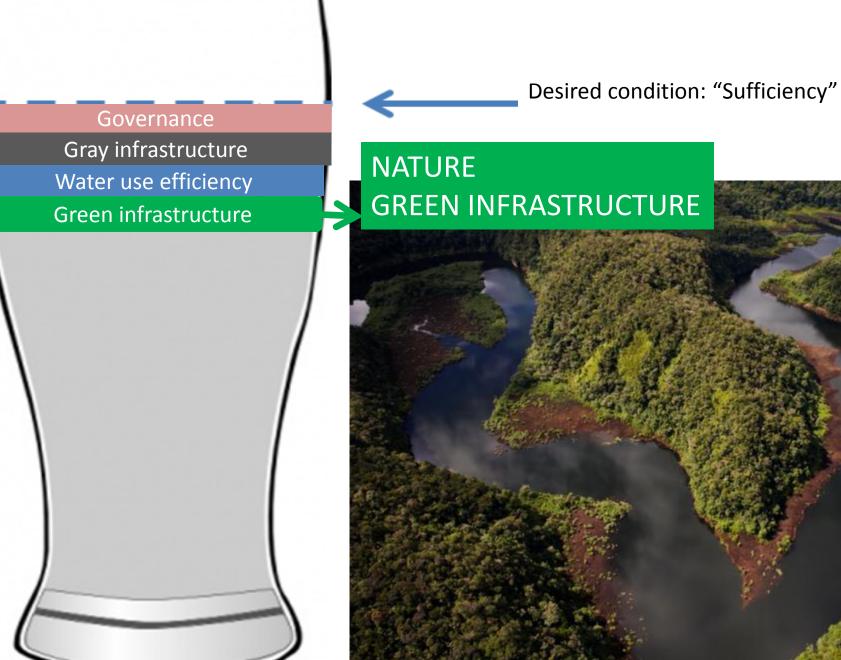
It is a business risk



### "Sufficiency" in Water Stewardship







### **Water Corporate Management**

Efficient corporate water management

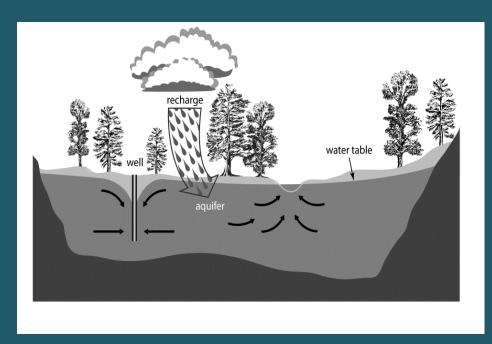
Aims at a sustainable water balance

Returns to nature and to the communities an equivalent volume of the water used in manufacturing processes and takes care about their sources of water

Adapted from Rozza et al. 2013

### **Focus on Local Watersheds and Aquifers**





# How to assure green infrastructure investments?

High impact activities implemented in strategic places

Best available **science** to select **cost-effective** activities and places





### Risk mitigation activities

## Conservation and restoration of native ecosystems



### Risk mitigation activities

### Best agricultural practices

- Soil conservation;
- Agroforestry systems
- Rotational grazing



### Risk mitigation activities

#### **Collective action**

- Build sinergies
- Reduce transaction costs
- Cost-efficient
- Greater impact



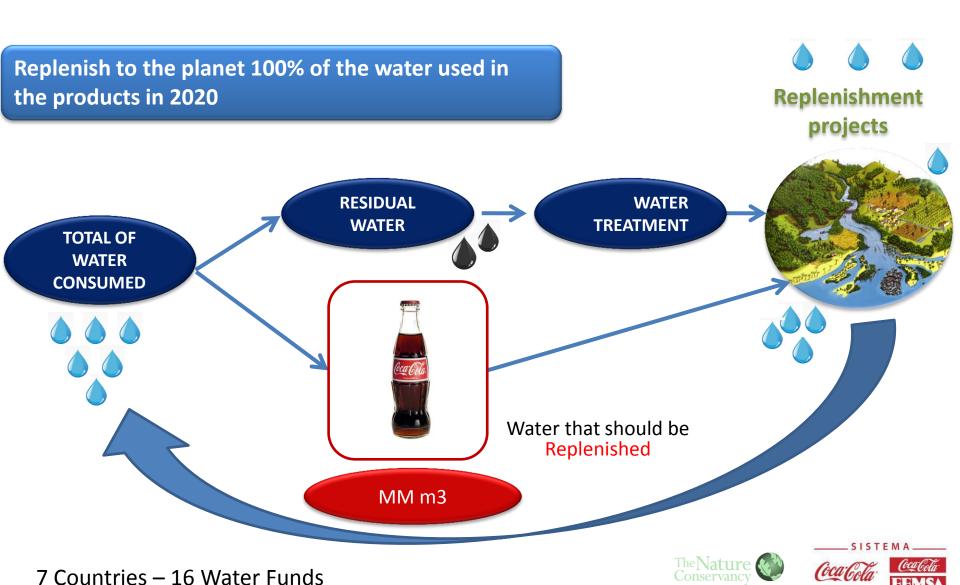


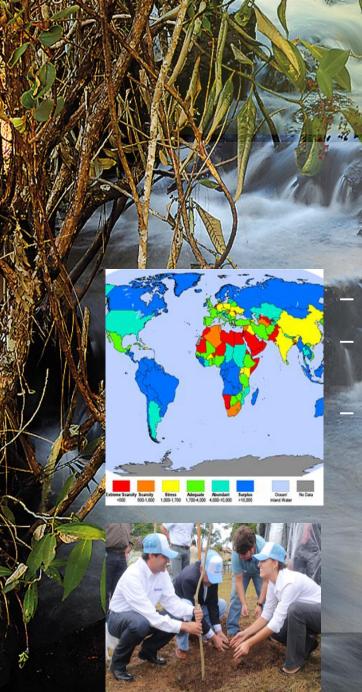


### Water Funds Model

Providors Users Financial and Governance Mechanism WATER Quality Quantity

### Replenishment projects











Proteger a natureza é preservar a vida.

### Jaguariúna Watershed Project São Paulo State

- Launched on World Water Day 2013
- Result of a comprehensive global water risk assessment process
- New global goal to engage in watershed protection measures at all facilities located in key areas



