## Business Day World Water Forum 8

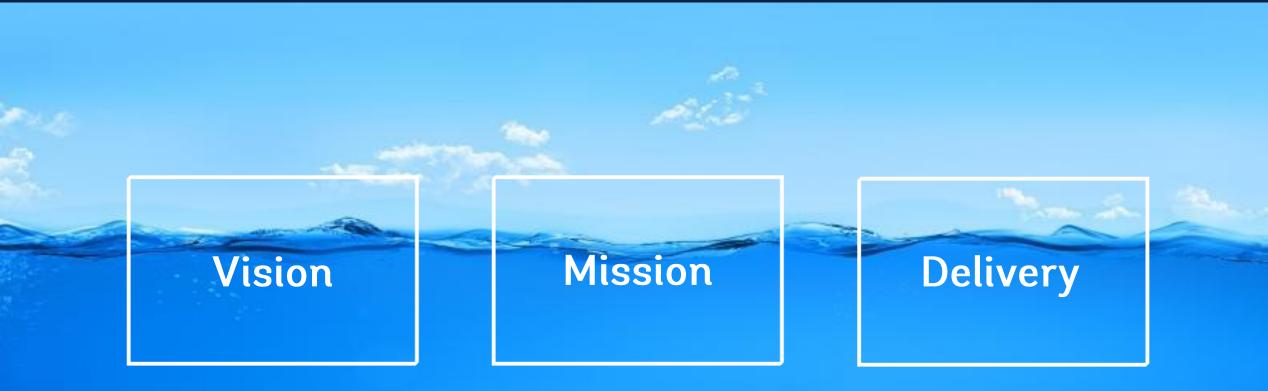
Workshop on the Circular Business case for water

Brasilia | March 18, 2018

Jennifer Sara, Director Water Global Practice, World Bank Group



### WORLD BANK GROUP: WATER GLOBAL PRACTICE



A Water Secure World for All

Achieve WBG's twin goals by investing in effective and sustainable water solutions that enable universal access and promote water security

Lending, Knowledge, partnerships through 5 business lines

### Water impacts 15/17 SDGs



### **SUSTAINABLE DEVELOPMENT GOAL 6**

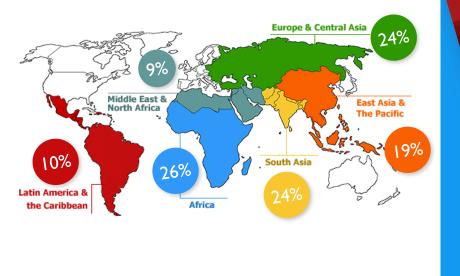
Ensure availability and sustainable management of water and sanitation for all

## Financing for development

Accompanied with policy advice, technical assistance and sector reform

### Water Portfolio is ~\$35 billion US Water GP manages ~\$23 billion US

Share of water portfolio



### Knowledge broker and thought leader

Ensuring our projects are grounded in evidence and planning for a fast-changing world

RISINGTIDE

### Forging partnerships and building coalitions for change

### **Global political advocacy**

- High Level Panel on Water
- Sanitation and Water for All

### Country-level technical support to governments

- Global Water Security and Sanitation Partnership
- Regional Partnerships

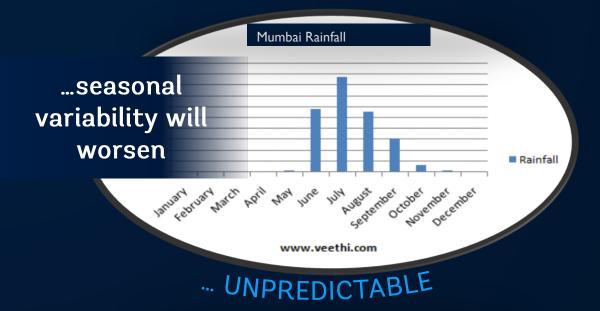
### **Private sector** 2030 Water Resources Group

### WHAT WE DO at the Water Global Practice of the World Bank Group

UNCHARTED WATERS

### Challenges faced by our clients.....

# SCARCER DIRTIER there will be less water per capita ...water pollution will be costly



...geography of water will change

And LESS...

### **Circular Economy Solutions: Water Scarce Cities Initiative**



In 2050, per capita municipal consumption globally could be 70-85% of its current level due to diminishing water availability and competition with other users (mostly agriculture)

http://www.worldbank.org/en/news/feature/2017/05/15/water-scarce-cities-initiative

# Many solutions have proved effective to help tackle chronic water scarcity...

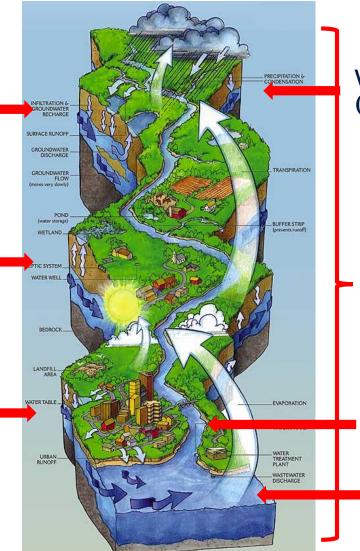


### Brazil – Espírito Santo Integrated Sustainable Water Management Planning at Basin Level

### **Basin Planning and Management**

Wastewater collection and treatment Small towns upstream of Metro Vitória and Caparaó -CESAN

Wastewater collection and treatment Metropolitan Vitória -CESAN



Watershed Management (Scaling up Payment for Environmental Services)

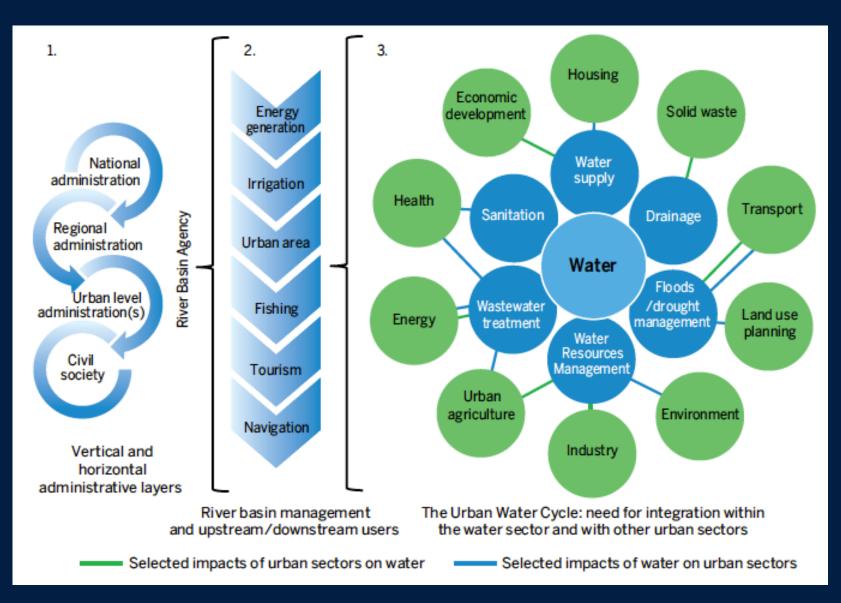
Reflorestar

Strengthening institutions for integrated planning and management, including monitoring of risks, contingency planning and response to disasters, and continued work on utility efficiency improvements

Urban Drainage in Metro Vitória

Coastline management

### **Multiple Layers of Integration**



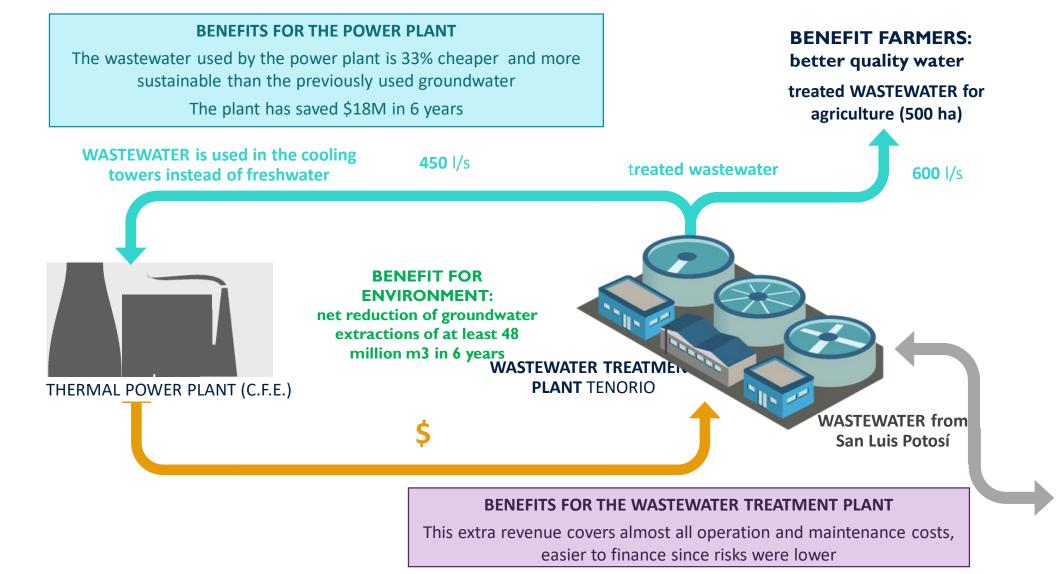
(1) National/local government level

(2) Watershed/basin level

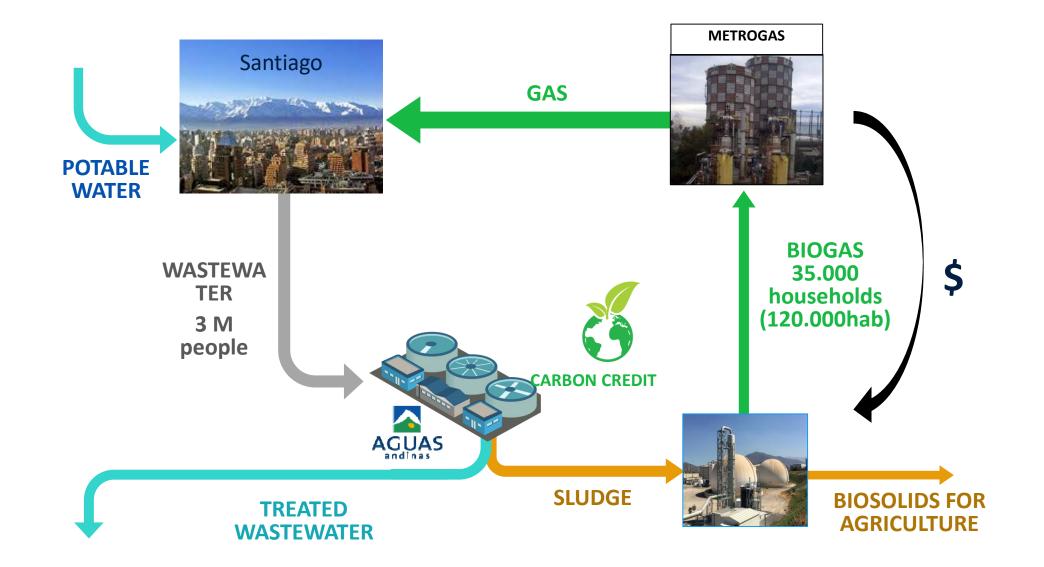
(3) City level

Source: World Bank (2016) IUWM Guidance Note, based on ICLEI (2011)

### Mexico: Integrated Wastewater Planning and water reuse in San Luis Potosi



### **Chile: Generation and sale of biogas in La Farfana**



## 2030 Water Resources Group TRANSITIONING FOR SCALE AND IMPACT





#### Ulaanbaatar

### Wastewater treatment, Waste Water Reuse Quality Standards, Valuing water

Context

Water availability is critical for industry but the treatment of wastewater is limited. Ulaanbaatar is projected to face a 50% water demand-supply gap by 2030 which will have serious consequences for the industrial sector.

**Creating the Enabling Environment for Wastewater Treatment** 

**Developing Waste Water Reuse Quality Standards** 

Improving Water Valuation

### **Success Factors for Circular Economy**

- Multi-stakeholder engagement and innovative institutional arrangements
- Strong analytical basis
- Technological and process innovation:
- Attention to :
  - Valuing Water across competing uses
  - Pricing to reflect cost of service delivery
  - Finance to best leverage user fees, public, concessional, private