

# Valore Acqua: una risorsa chiave per il rilancio del Paese

Roma, martedì 22 Marzo 2022

## Community Valore Acqua per l'Italia

Scenari, strategie e *policy* per la filiera dell'acqua in Italia e l'ottimizzazione del suo sviluppo

Presentazione di **Edoardo Borgomeo**

*Water Resources Management Specialist, World Bank Group*

MAIN PARTNER



PARTNER



JUNIOR PARTNER



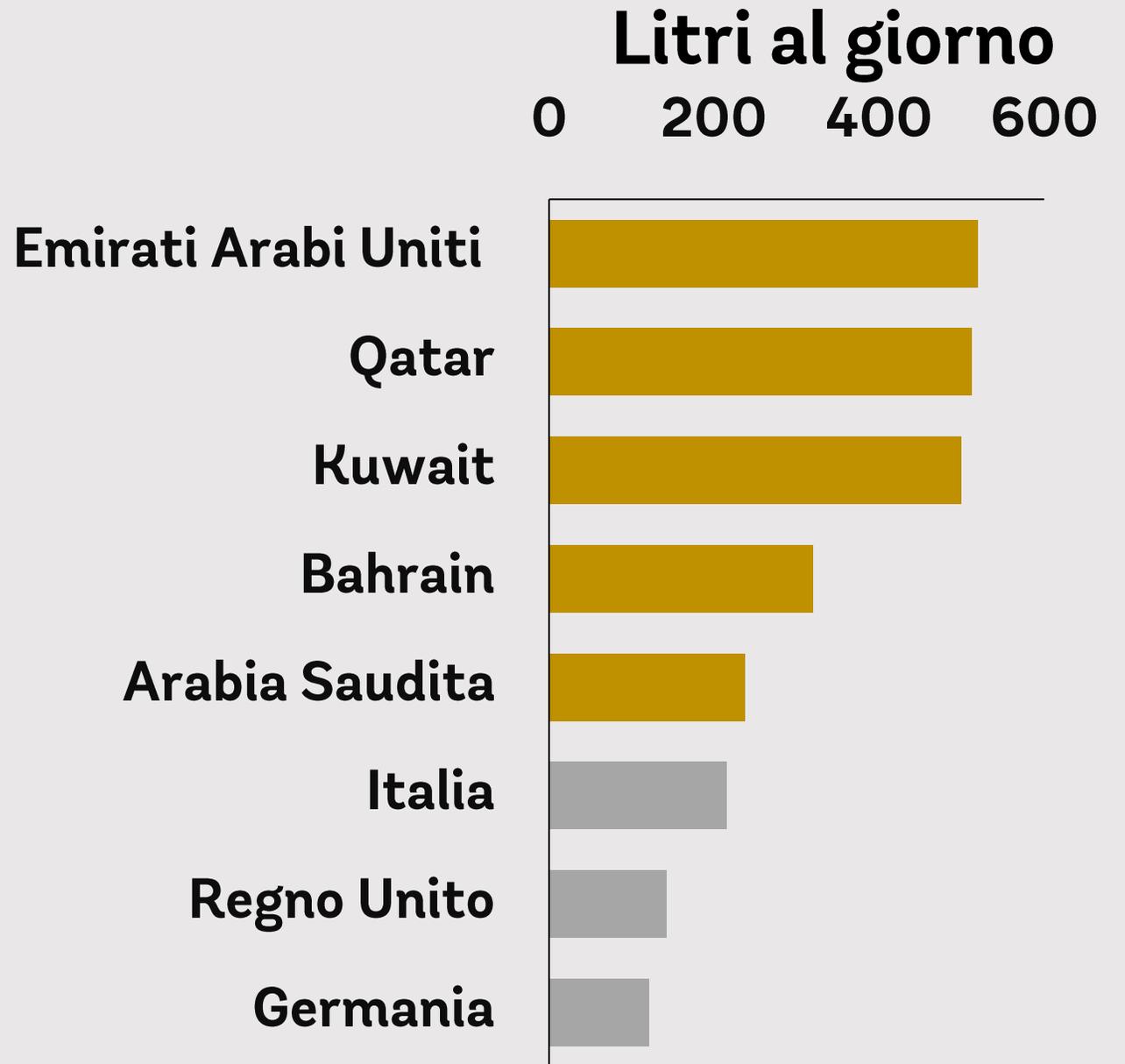
# **Ripensare gli investimenti nel settore idrico**

**Edoardo Borgomeo, *Banca Mondiale***

**Valore Acqua per l'Italia 2022  
The European House - Ambrosetti  
22 Marzo 2022**



# Paradosso della tecnica



治 = 水 + 台

POTERE = ACQUA + PIATTAFORMA

# Paradosso del Valore

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“Nulla è più utile dell'acqua, ma difficilmente con essa si comprerà qualcosa, difficilmente se ne può avere qualcosa in cambio. Un diamante, al contrario, ha difficilmente qualche valore d'uso, ma in cambio di esso si può ottenere una grandissima quantità di altri beni.”

*Adam Smith, La ricchezza delle nazioni*

# Ripensare tre paradigmi

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Tecnica

Economia

Comunicazione

# THE SMART PUB ROADMAP

Transforming PUB into the Smart Utility of the Future



## SMART DRAINAGE GRID

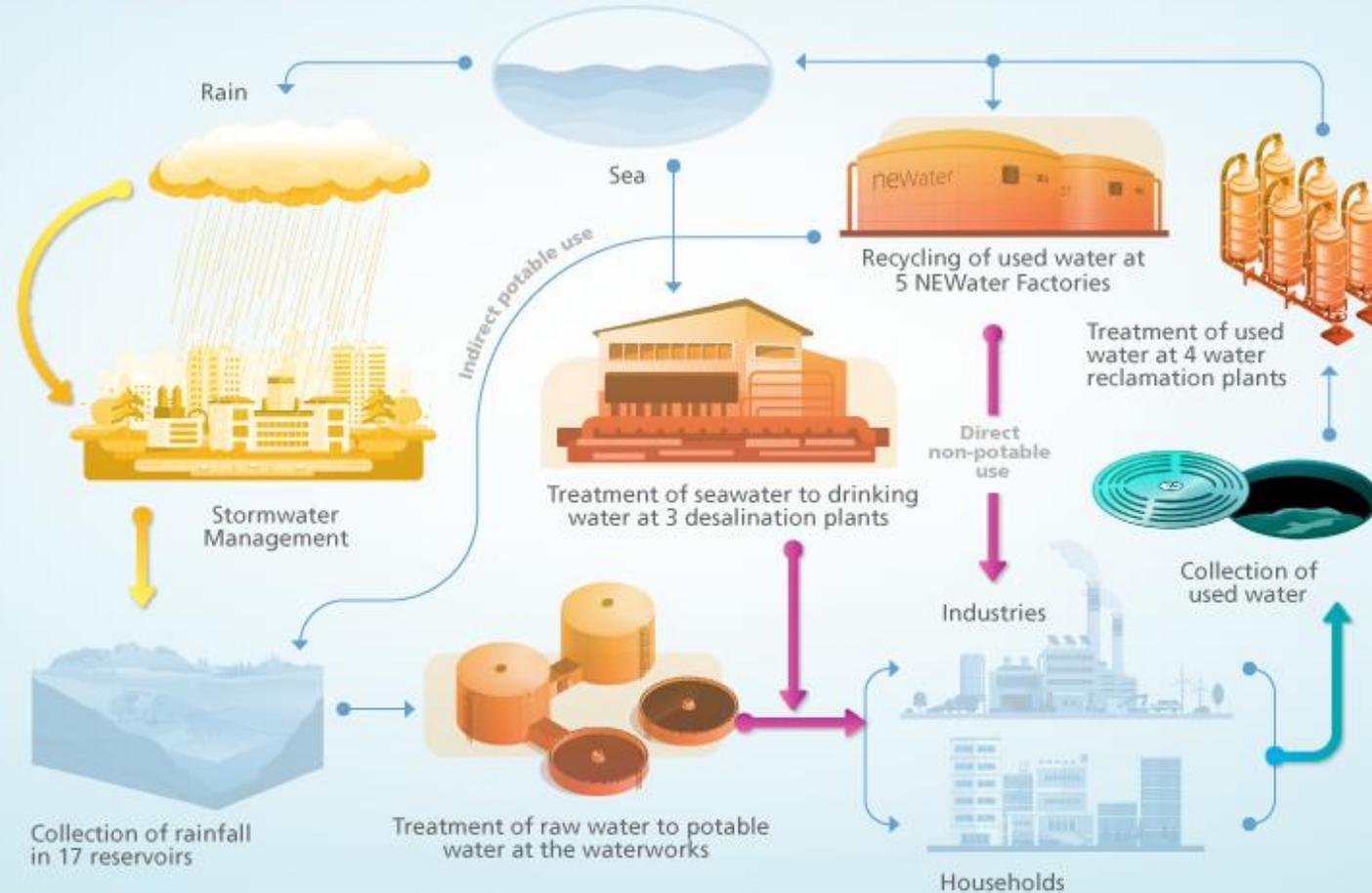
- Hydrometeorological and water quality monitoring
- Strategic planning and maintenance of infrastructure

## SMART PLANTS

- Data-driven Decision Support with machine learning
- Autonomous systems to perform manual, high risk jobs
- Diagnostic troubleshooting

## SMART WATER GRID

- Extensive monitoring of network pressure, flow and water quality
- Pre-emptive leak detection
- Predictive load dispatch: Using demand forecasting enabled by pervasive sensing and data analytics



## DIGITAL OPERATIONS SUPPORT

- 360° situational awareness and system oversight with improved operations dashboards and mobile connectivity
- Reducing wastage and enhancing resilience with data analytics
- Enhancing productivity by automating manual workflows
- Encouraging collaboration and knowledge sharing through digital platforms

## SMART SEWER GRID

- Pre-emptive asset repair and replacement
- Monitoring network and tunnel structural integrity
- Illegal discharge tracing and modelling

theWater



NEWater  
Factory



Clear Channel

PUB SINGAPORE'S NATIONAL WATER AGENCY

Major flooding across Singapore, 1978



Residents were deprived of work stop, and all communication (if it was) were also cut off.

In December 1978, Singapore was hit by one of the worst floods in history.

The recorded rainfall of 350mm over a single day sent Singapore into chaos.

Thousands of people had to wait to be evacuated from their homes.

# WE HAVE COME A LONG WAY IN OUR WATER STORY.



Today, we have an extensive drainage system that protects us from frequent and heavy floods. Let's not take it for granted. Make every drop count.

[MakeEveryDropCount.sg](http://MakeEveryDropCount.sg)





**Grazie  
dell'attenzione**

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