

#### Paris, 19th November 2024

DELIVERING THE GREEN TRANSITION IN WATER & WASTEWATER SECTORS: THE ITALIAN REGULATOR'S APPROACH

Elena Gallo Deputy Director Investments and Environmental Sustainability (DISA) ARERA



### Interrelation among regulatory and non-regulatory instruments



# **TECHNICAL QUALITY**



## **Technical quality regulation (RQTI)**





Incentive mechanism award/penalty mechanism multistage performance evaluation



#### Award/penalty mechanism application:



Autorità di Regolazione per Energia Reti e Ambiente

SCOPRI I GESTORI

TORNA ALLA PAGINA DI SPIEGAZIONI

### More and more focus on Sustainability and Climate Change mitigation

#### Decision 637/2023/R/idr

- monitoring the water supply system efficacy to satisfy water demand
- given the forecasted water availability in a context of climate change





# **TARIFFS METHODOLOGY**



### Four main pillars of sustainability





### **Promoting Innovation Fund**

# Incentives to reuse $RIU = \frac{W_{DEP,r1} - W_{DEP,r2}}{W_{DEP,r1}}$

- volumes that can be potentially reused
- **reused volumes** (delivered by wastewater treatment operator to the next party in the chain to be used by the end-user)

Award in case of achievement of the target



• 
$$Pr e mio_{RIU,i} = min\left\{\frac{Incentivo_{RIU}}{N_{RIU}}; (0,5 * Capex_i^{2025})\right\}$$

stable growth of reused volumes among the conditions for awarding the prize

 $W_{DEP,r2}^{2025} > W_{DEP,r2}^{2023}$ 

### Incentives to reduce purchased energy





# SOME EVIDENCES



### Some evidences from tariff and quality regulation

- Increased investment in infrastructure modernization and quality improvement
- Improvement in the capacity to implement planned investments, with a realization rate rising from 82.9% in 2016 to almost 100% in 2021
- Stable increase in the sector RAB
- Stability of operating costs of service valorisation
- Growth in the incidence of investment expenditure on total expenditure, from 30% in 2016 to 47% in 2023

[Operators serving 47 Million inhabitants]



Positive effects of the technical quality discipline on the constant **improvement of the main performance indicators** of the sector



11