PUBLIC SEMINAR 30 OCTOBER 2018

Portuguese Water Partnership

WATER SOLUTIONS MADE IN PORTUGAL

INNOVATIVE WATER PARTNERSHIPS

Alexandra Serra | **President**

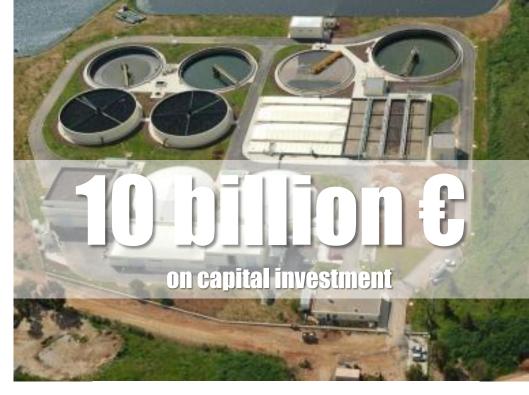
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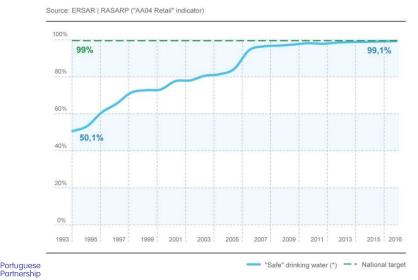
A gateway to **PORTUGUESE** WATER Solutions, Expertise & Partnerships



In the last 20 years, Portuguese Water **Sector** has acquired and developed significant expertise in multiple segments of the Industry Value Chain



DRINKING WATER QUALITY



WASTEWATER TREATMENT

Source: ERSAR | RASARP ("AR01 Retail" indicator)

Wastewater collection service coverage (*)







"Acceptable, Good or Excellent" quality or in compliance with quide values 💳 "Poor" quality or not in compliance

These achievement's were implemented by a solid and mature cluster of private and public institutions

dedicated to water



Several of those institutions and companies have business or developed Close links abroad

Associated in a Portuguese Water Partnership synergies can be developed and the potential maximized





Governance in the Urban Water Cycle

The Begining

Portugal Adhesion to EEC / EU (1986)

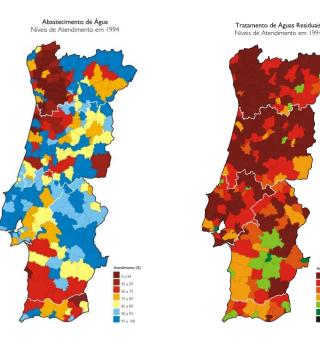
With the entry of Portugal into the EEC (1986), Portugal accessed to Community funding, under the structural policies, for building public infrastructure (*particularly the ERDF - Regional Development Fund*).

The Environment sector, from the first time became one of the main recipients of these funds.

However, until 1992 the EU funding to the water and wastewater sector were dispersed by the various municipalities, reducing their effectiveness.







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Governance in the Urban Water Cycle **25 years ago...**

Investment | Heavy investment was required and marginal costs were increasing

Efficiency | To many small non corporate operators; solutions that did not stimulate efficiency; Absence of market mechanisms

Sustainability | Only a small part of the costs were being recovered

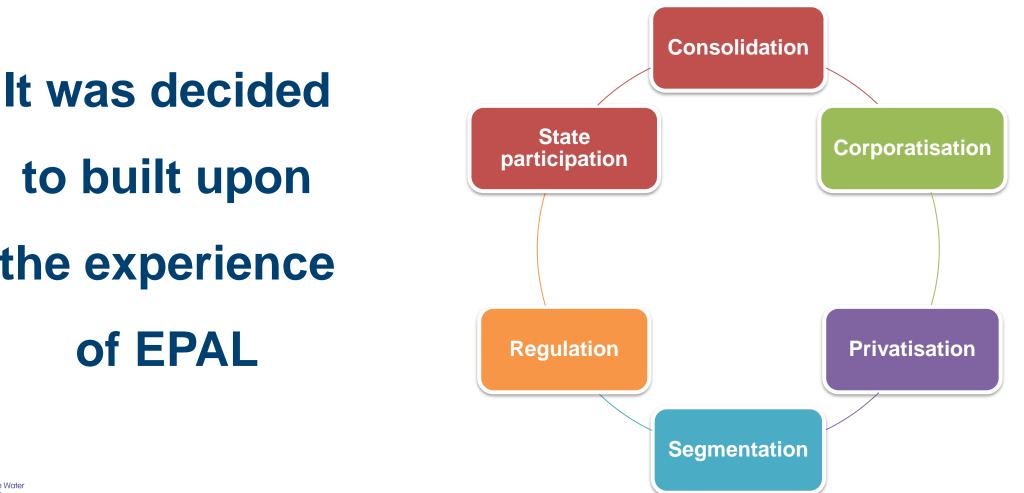
Transparency | No information to consumers and stakeholders

One exception: EPAL, public utility under commercial law, water provider for Lisbon Metropolitan Area



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Governance in the Urban Water Cycle 1993: the way forward

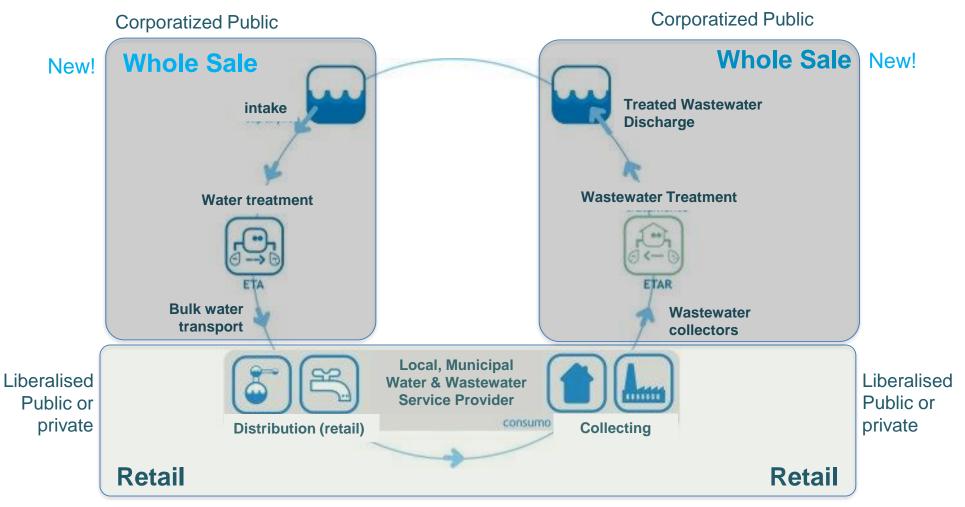


to built upon the experience

of EPAL

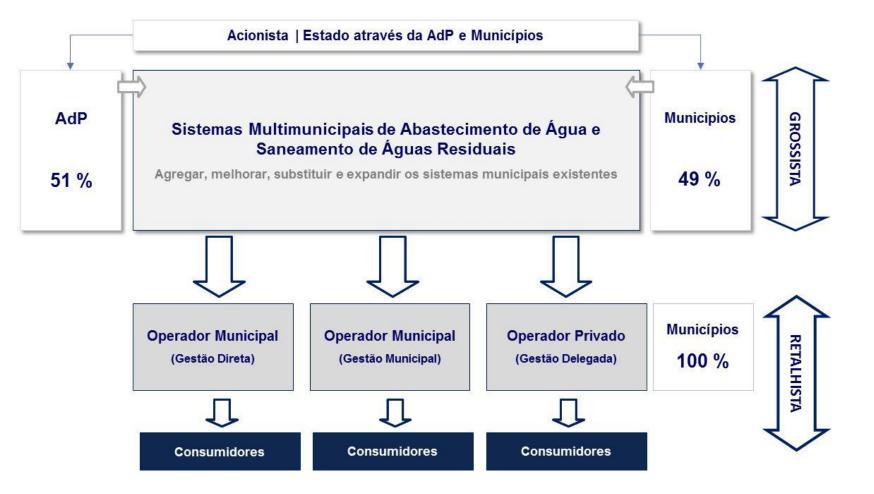


Governance in the Urban Water Cycle 1993: the way forward





Governance in the Urban Water Cycle A new management model





Governance in the Urban Water Cycle A new management model

Decree-Law nr. 379/1993

Opening-up of the sector to private companies and creation of the conditions required for the development of multimunicipal systems

- Municipal Systems: The design, construction and management of the systems are entrusted to municipalities; private entities may be called to participate, under concession contract.
- Multimunicipal systems: The design, construction and management of the systems are entrusted to the State or via concession to a public entity of a corporate nature under private law, where the State holds 51% or more of the share capital, whereas the remaining share capital is held by the municipalities.

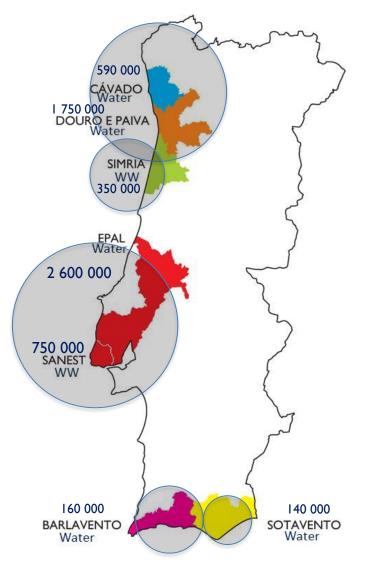




Portuguese Water

Governance in the Urban Water Cycle Multimunicipal systems

- Public regional water utilities provide wholesale water services to the municipalities.
- Contract includes a capital investment plan for the duration of the contract and a framework for services provision.
- Full cost recovery tariffs are set annually by the Minister of Environment on the basis of a budget presented by the company to ERSAR.
- **Cost-of-service model** with a **fixed return on capital** (Euribor+3%).
- Benchmarking by ERSAR by annually monitoring a set of financial and quality-of-service indicators; no service performance rewards or penalties.



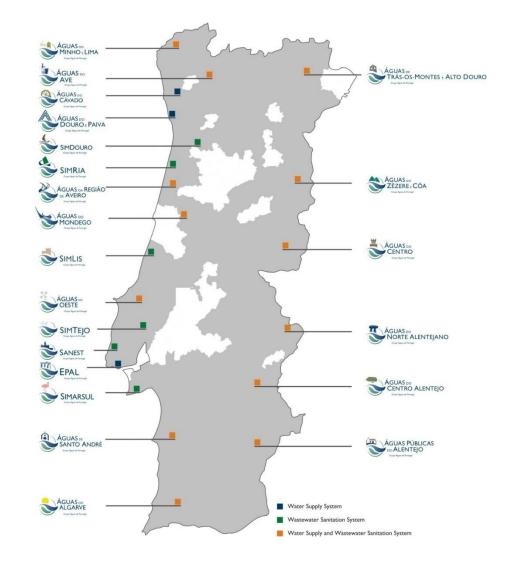


Portuguese Water

Partnership

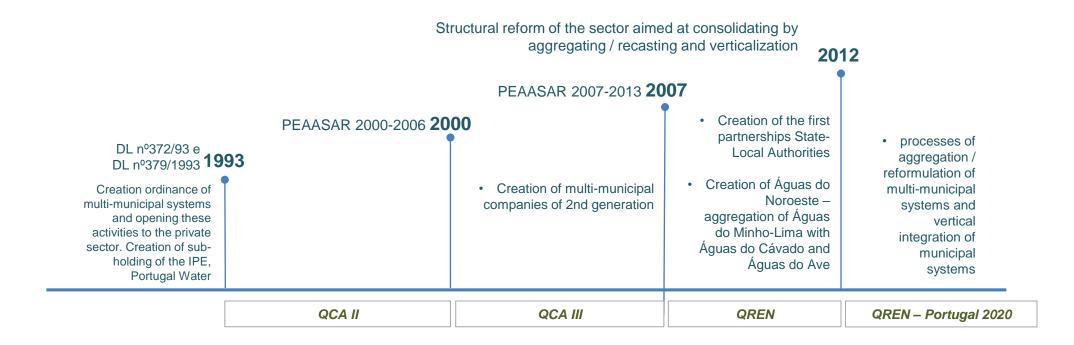
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Governance in the Urban Water Cycle Multimunicipal systems 2012



Governance in the Urban Water Cycle From 1993 to 2012

National Strategic Planning is essential







Governance in the Urban Water Cycle Lessons learned

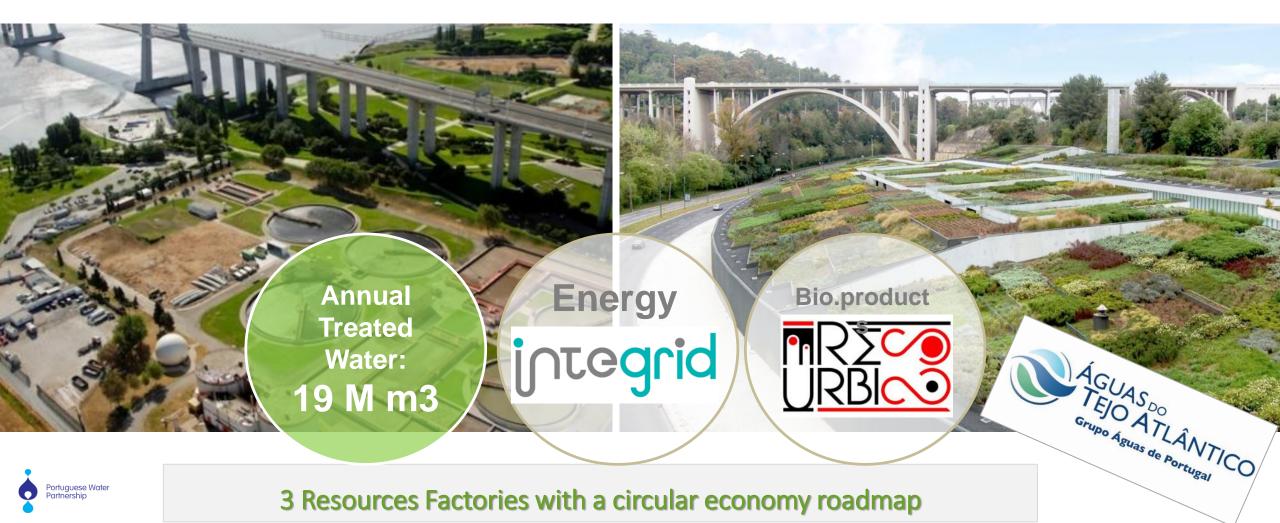
- **Corporatization** is very important for sustainable water services;
- Separating wholesale from retail services must engage all stakeholders in agreed objectives;
- Sustainable cost recovery is a must;
- Water and wastewater services should preferably be delivered by the same entity, in order to have sustainable solutions for wastewater management;
- Water services must be provided by regional, not local entities;
- **Benchmarking** is very important for the transparency of the whole system.





Smart water for wise cities

PARADIGM SHIFT: FROM WWTP TO RESOURCES FACTORIES





Smart water for wise cities

STRATEGIC

VATER REUSE

ISBON

PLAN



waterbeep® Smart efficiency.

-base



VENCEDOR PORTUGA

A product that allows domestic and commercial customers to know day-byday consumption and to be notified by email or SMS if there are any losses.



- Check the billed water consumption
- Discover the average daily consumption per person
- Meter Reading
- Receive consumption alerts.





- Annual assessment of water services performance.
- An impressive source of information available and easily accessible to stakeholders and consumers.



Portuguese WATER in H2020 WORKING TODAY FOR OUR WATER FUTURE



Coordination by



- Climate predictions & projections: Downscaled at appropriate scale
- Impacts in the water cycle: full water cycle for near future
- Adaptation strategies: Co-production of tools and methodologies, and dissemination



International Water Centres born in Portugal



LISBON INTERNATIONAL CENTRE FOR WATER

Think tank and strategic advice | Support to the policy makers

Education, training & capacity building | Support to the utilities & regulators

Business, support, incubation & acceleration of **start-ups** | Support to the industry

Social engagement | Support to the society in large







DE ENGENHARIA CIVIL



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 763562

WISE PPP

International Centre of Excellence for PPP on Water and Sanitation

Proposing international standards, best practices and recommendations for **policy** makers to use PPP to achieve the SDGs.

Collecting and disseminating information on successes and failures from the past and current PPP experiences around the world.

Developing a **network of specialists** and supporting countries interested in the PPP Programme.

Hosting project team meetings.

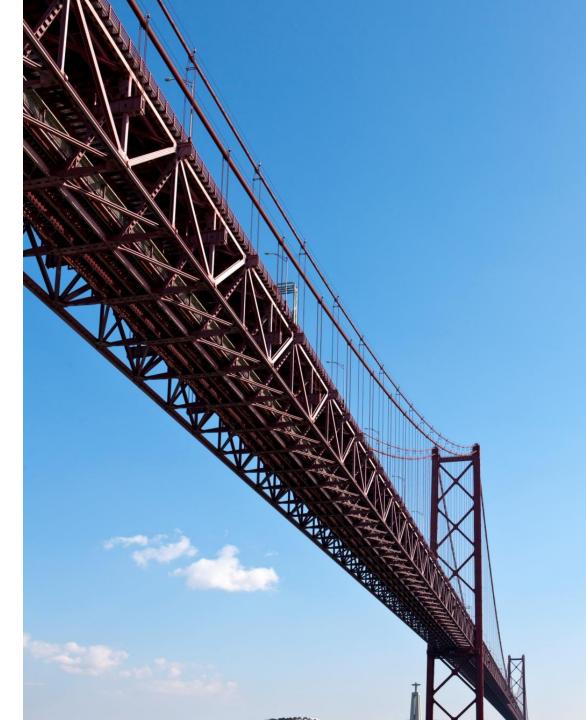
An independent affiliated of the **United Nations** Economic Commission for Europe (UNECE)



SMEs with Solid Expertise Top Research Centers Modern institutions

Open to international partnerships

The Portuguese Water Cluster has excellent conditions for innovative win-win partnerships











Whatever we possess becomes of double value when we have the opportunity of sharing it with others !

JEAN-NICOLAS BOUILLY (1763-1842)

THANK YOU FOR YOUR ATTENTION

Portuguese Water Partnership

www.ppa.pt