



**THE WORLD BANK**  
IBRD • IDA | WORLD BANK GROUP

**CROATIA STUDY TOUR TO PORTUGAL  
WATER AND SANITATION SERVICES  
(April 27th 2023 9:00-12:00)**

**PwP - WATER SOLUTIONS  
EXPERTISE, INTERNACIONALIZATION  
AND PARTNERTSHIPS**



Portuguese Water  
Partnership

*José Saldanha Matos | President  
([jsm.hidra@gmail.com](mailto:jsm.hidra@gmail.com))*



PWP was born in 2011, in the sequence of the Portuguese  
Participation in the  
Istanbul World Water Forum

**We are 12 years old.  
A young Platform with hundreds  
years of experience**





International footprint of Portuguese water cluster enterprises ( > 88 members, 126 countries)



**The Miracle : In the last 25-30 years, Portuguese Water Sector has acquired and developed significant expertise in multiple segments of the Industry Value Chain.**



## DRINKING WATER QUALITY

Source: ERSAR | RASARP ("AA04 Retail" indicator)

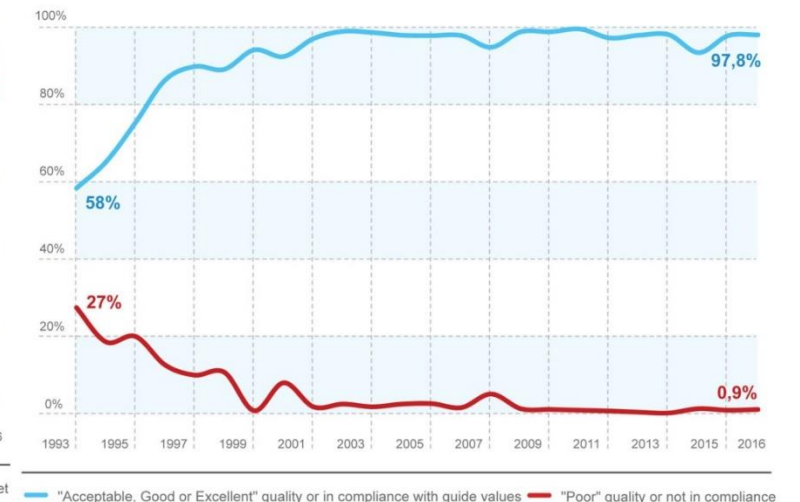


## WASTEWATER TREATMENT

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



## COASTAL BATHING WATER QUALITY



# WATER SOLUTIONS MADE IN PORTUGAL

Portuguese WATER  
and R&D&I

Smart water and  
NBS for wise cities



2

3

4

International  
Water Centres  
born in  
Portugal.

1

From  
wastewater  
facilities to  
Resources  
Factories (  
“Vira” beer)



5

Water &  
Business



1

# From wastewater facilities to **RESOURCES FACTORIES**

Growing **GREEN** without compromising the **BLUE**  
Lisbon  $H_2(g)O!$  Closing the Water Cycle in Lisbon



CERVEJA ARTESANAL  
PRODUZIDA COM  
ÁGUA RECICLADA  
**VIRA**



# 2

## Smart water and NBS for wise cities

LISBON-EUROPEAN  
GREEN CAPITAL 2020:  
lisbon Strategic Plan for  
Water Reuse



LISBON  
GREEN  
CORRIDORS

Nature-based

Digital-based



A product that allows domestic and commercial customers to know day-by-day 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.





# 3

## Portuguese WATER (R&D&I)

### INNOVATION- WORKING TODAY FOR OUR WATER FUTURE



**BINGO**  
a better future under  
CLIMATE CHANGE

Coordination by



LABORATÓRIO NACIONAL  
DE ENGENHARIA CIVIL

Funded by  
the European Union

MINISTERIUL MEDIULUI  
AL REPUBLICII MOLDOVA



Thematic Workshop on Nature Based Solutions  
Experience Outside Moldova

NBS at City Scale- The Lisbon case study, Portugal

José Saldanha Matos (Prof IST-UL, PwP)  
j.s.m.hidra@gmail.com

"On line" Session on the 26 th April, 2023



- **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

ist TÉCNICO LISBOA

# REDAWN

Reducing Energy Dependency  
in Atlantic Area Water Networks

HOME ABOUT REDAWN THE TEAM ACTIVITIES DISSEMINATION CONTACT US

About REDAWN

S.M.A.S. MUNICÍPIO DE ALGARVE

UNINOVA

PROTEUS Serviço Público Municipal de Excelência

HOME LATEST NEWS ABOUT CONSORTIUM DELIVERABLES PUBLICATIONS CONTACTS

Monolithic multifunctional sensing chip

Adaptive and cognitive smarter system

Manufacturability, reliability and cost-effectiveness

# 4

## International Water Centres born in Portugal



### LISBON INTERNATIONAL CENTRE FOR WATER

**Think tank and strategic advice** | Support to the policy makers and regulators

**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



LABORATÓRIO NACIONAL  
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).



# 5

## Water & Business (D&P)

**PWP is Involved on all the chain of value of the water sector:**

- ✓ **Planning, project and supervision of water works;**
- ✓ **Management of water services:**
- ✓ **Research and innovation on water and capacity building**
- ✓ **Regulatory and institutional issues**

**Portugal has been for centuries a country open to the World**

**Open to Win-Win International Partnerships, namely with Israel Associations and firms.**

**Exportation of services by its members is being mainly for Africa and for South America (e.g. Portuguese Language Countries), but with a recent trend for Europe business.**



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](http://www.ppa.pt)***



José Saldanha Matos  
([jsm.hidra@gmail.com](mailto:jsm.hidra@gmail.com))