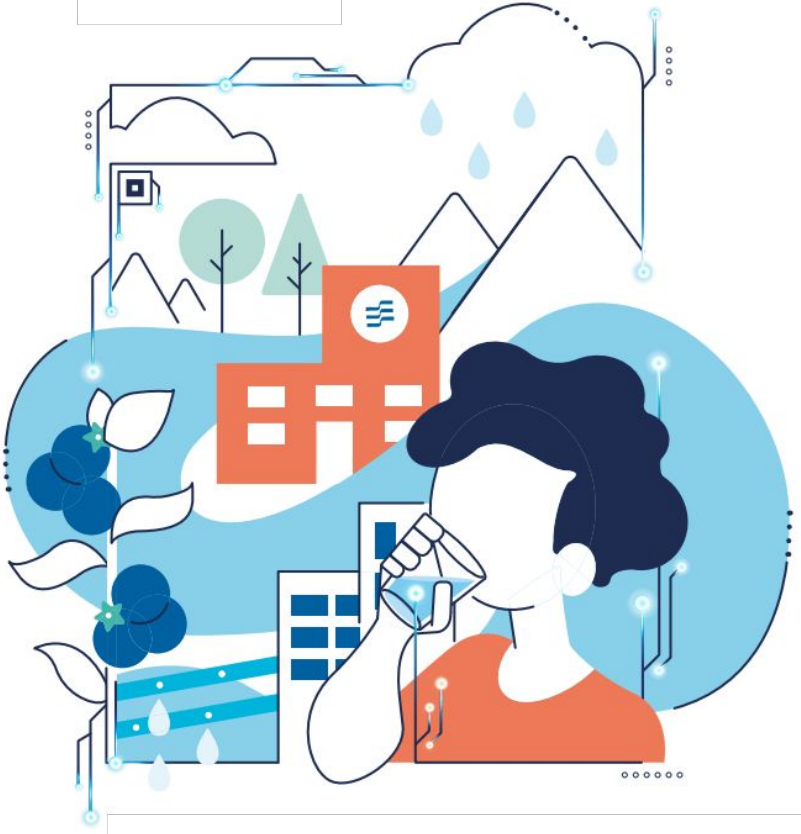


**AGUAS DE
ALICANTE**

Guillermo Mas Martínez

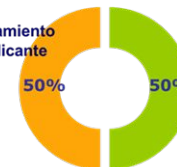
Head of Technological Innovation and Public
Procurement of Innovation

Madrid, May 21st

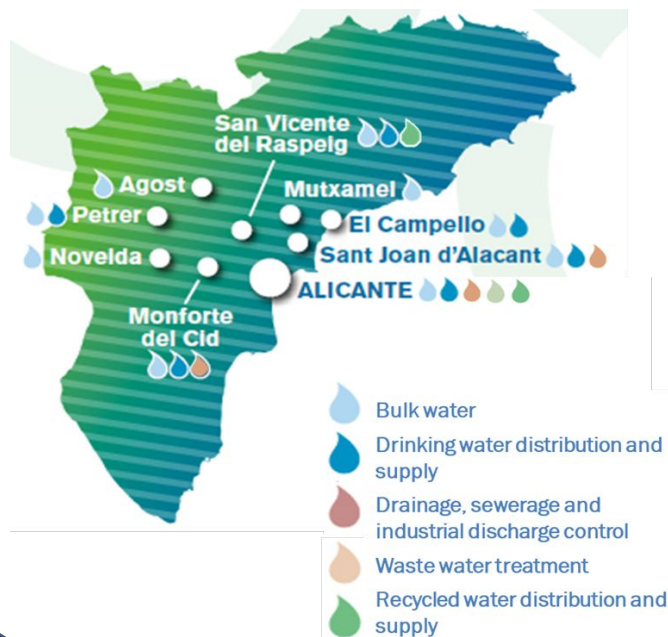
- AMAEM is a Public-private joint venture between Hidraqua (Veolia) and Alicante City Council.
- AMAEM is managing the urban water cycle of Alicante, Campello, Monforte, Petrer, Sant Joan d'Alacant, and San Vicente del Raspeig.



Ayuntamiento
de Alicante



HIDRAQUA



SOME FIGURES

- 500,000 inhabitants served (>700,000 in summer)
- 2,043 km of water distribution networks
- 40 million m³ of water distributed annually
- More than 200 km of sewerage and drainage networks
- 80 km of reclaimed water networks

EXPERIENCE ON INNOVATION TOOLS

AVAILABLE TOOLS

Testbeds

Living Labs

Regulatory
Sandboxes

MAIN OBJECTIVES

Technological

Controlled experimentation spaces focused on the development of innovative solutions

Socio-Technological

User interaction and citizen participation in the experimentation processes

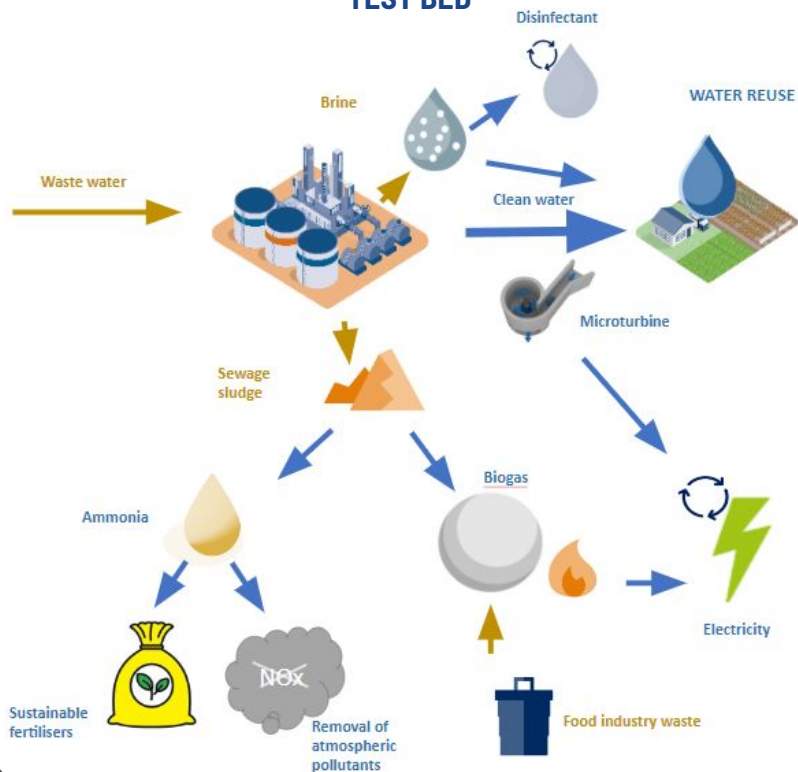
Regulatory

Experimentation in real assets to experiment in real environments to assess the need to adapt the regulation

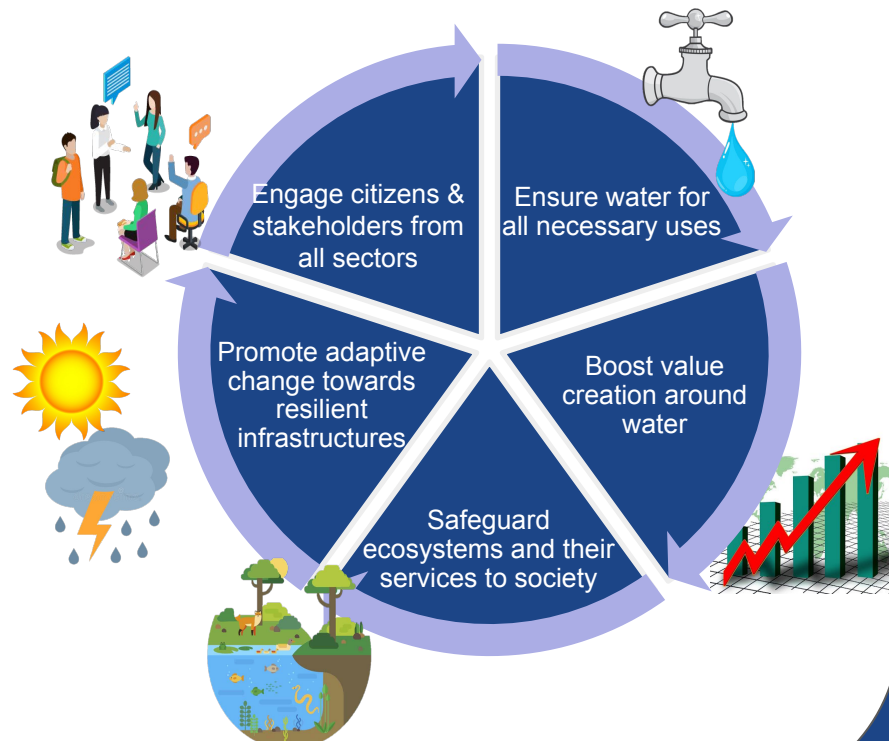
- H2020 Project for Intelligent Water Management (*Watersmartness*) in coastal areas of Europe
- 35 partners from 8 countries
- Total Budget: 17,5 M€
- Duration: Sep 2020 – Sep 2024
- 6 Living Labs:
 - Alicante
 - Lisboa
 - Venecia
 - Frisia Oriental
 - Flandes
 - Bodø



TEST BED



LIVING LAB





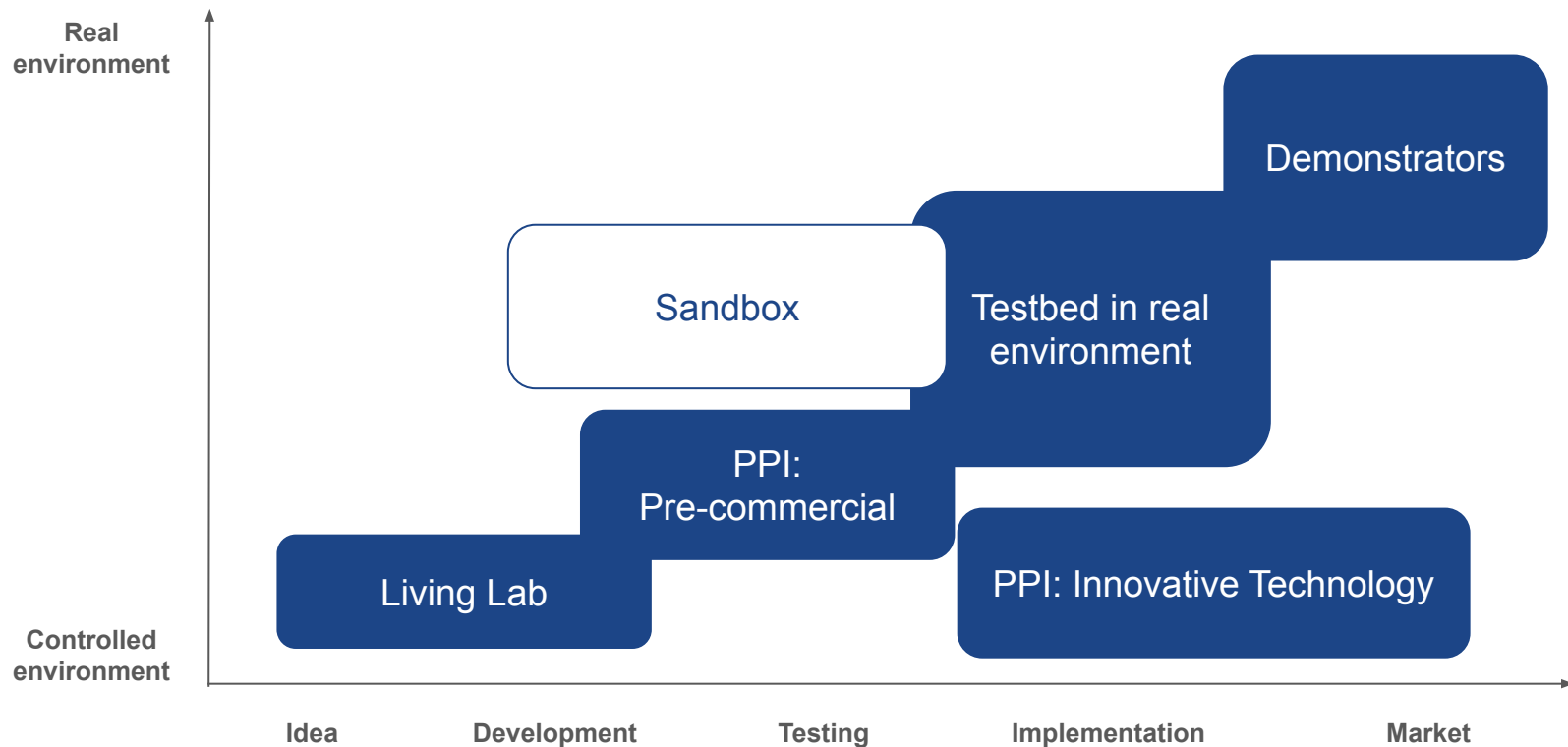
GUÍA DE COMPRA PÚBLICA DE INNOVACIÓN

EN ECONOMÍA CIRCULAR Y SOSTENIBILIDAD

- 2019: Guide to Public Procurement of Innovation in Circular Economy and Sustainability
- 2020: Preliminary market consultation (PMC) for the search for innovative solutions in the water sector (industrial sewage monitoring & management)

[Download the guide](#)

FROM PPI TO SANDBOX



SANDBOX USER GUIDE APPLIED TO THE INTEGRATED WATER CYCLE

[Download the guide](#)

STRUCTURE AND CONTENTS OF THE GUIDE

1

REGULATORY AND POLITICAL FRAMEWORK

European and National framework from both a political and a regulatory perspective



2

SANDBOX, A CONTROLLED EXPERIMENTATION SPACE

Breakdown of the sandbox innovation tool including:

- Controlled spaces for experimentation and innovation tools in public-private collaboration
- Principles of the sandbox tool
- Definition and design process
- Complementarity with other public-private collaboration tools

3

SANDBOX APPLIED TO THE WATER CYCLE

Breakdown of the Urban Water Cycle, distribution and competences. Innovation by means of public-private collaboration and potential use of the sandbox



4

BENCHMARK AND LESSONS LEARNED

Details of Spanish and international non-regulatory experimentation spaces related to the water cycle and other sectors.

5

GLOSSARY OF KEY TERMS AND COMPONENTS

List and breakdown of the main terms used in the Guide.



6

BIBLIOGRAPHY

List of bibliographic resources used to draw up the Guide.

SPANISH WATER PLAYERS



THE CENTRAL GOVERNMENT

Exclusive competence if the waters flow through more than one Autonomous Region: regulating and granting resources and hydraulic use.



AUTONOMOUS REGIONS

Competence in public works, projects, construction and operation of water infrastructure within the region.



LOCAL GOVERNMENTS

Establish local level competencies on: industrial and domestic potable water supply and wastewater treatment.



CONSUMER ASSOCIATIONS

They manage and regulate water, as well as other assets that are part of the Public Hydraulic Domain.



PUBLIC AND PRIVATE OPERATORS

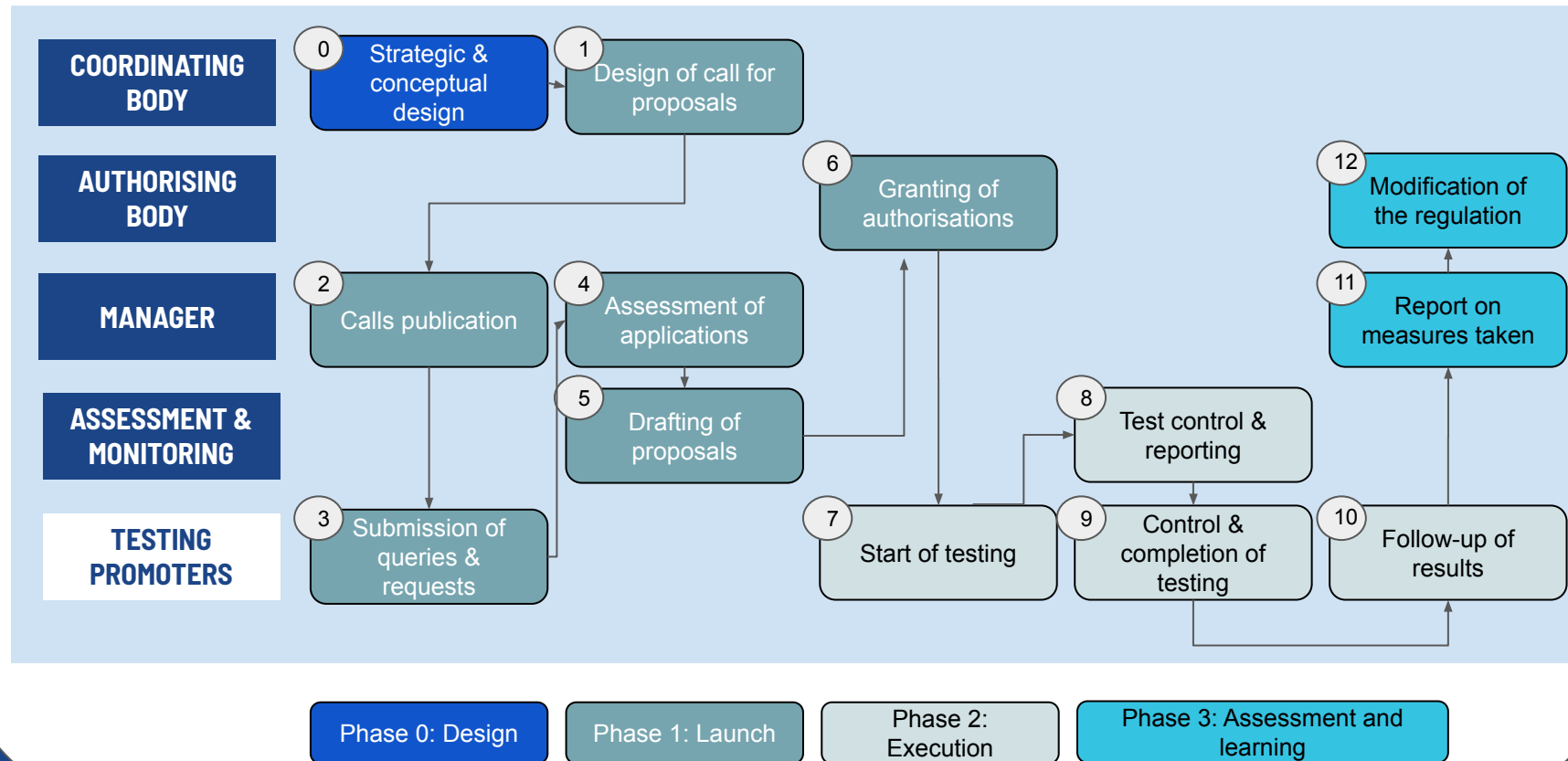
Operators delegated for the water supply, waste management and all the activities related to the Urban Water Cycle.



SOCIAL PLAYERS

Research centres, foundations and associations involved in management of the Urban Water Cycle.

DEFINING AND DESIGNING THE SANDBOX



SANDBOX 1st CALL

CHALLENGES



**IoT SENSING AND
DATA
MANAGEMENT**



**CO-DIGESTION
OF SUBSTRATES
IN WWTP**



**PRIVATE INDOOR
WATER TANKS**

EVALUATION CRITERIA

- Duration: 3 months (max)
- Innovation: relevant
- Bottom-up: involve the local innovation ecosystem
- Economics: framework and constraints
- Available Infrastructure: existing test beds

1st CALL

- Starting Date: June 2nd, 2025
- Public event
- Documentation:
 - Challenges description
 - Forms & Templates

Q&As