

# INTERNATIONAL COOPERATION AND REGIONAL CLUSTERS

## Innovation In Water Efficiency

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Wednesday, May 18th 2016  
Committee of the Regions  
BRUSSELS

**CLUSTERS AS PLATFORMS FOR CAPACITY BUILDING**  
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*'If you want to walk fast, walk alone;  
but if you want to walk far, walk together' ; African proverb*

## OVERVIEW OF THE PRESENTATION

1. ZINNAE : background and key numbers
2. Strengths and challenges for the development of a water cluster
3. WE@EU project - towards a joint action plan
4. Capacity Building for regional competitiveness and smart specialisation

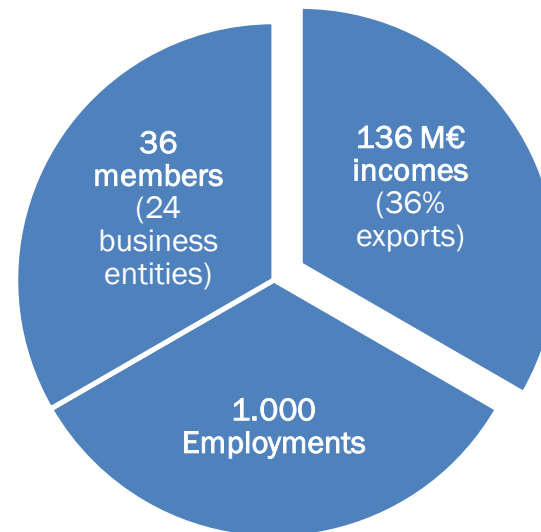
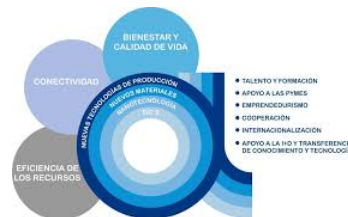
## 1. ZINNAE , ARAGONESE WATER CLUSTER

❑ **Aragon:** 1.300.000 inhabitants, most of them concentrated in Zaragoza (700.000). Aragon represents 3% of Spanish Population and 9,4% of Spanish Territory

❑ **Efficiency of resources,** water and energy is one of the three priority areas of Aragonese Smart Specialization Strategy

❑ ZINNAE water cluster started in 2010

❑ Formed by 36 members, that mostly represent water solutions integrators (utilities, engineering services, products-solutions providers).



## 2. STRENGTHS AND CHALLENGES TOWARDS CLUSTER DEVELOPMENT



**UNOHABITAT**  
 FOR A BETTER URBAN FUTURE

### WATER Facts

- 98 liters/inhabitant.day i n Zaragoza
- 1% RGP of business specialized in Water
- 13 Research Groups working in Water



**Commitment on water efficiency**



**Water challenges.**  
 Regionally and globally

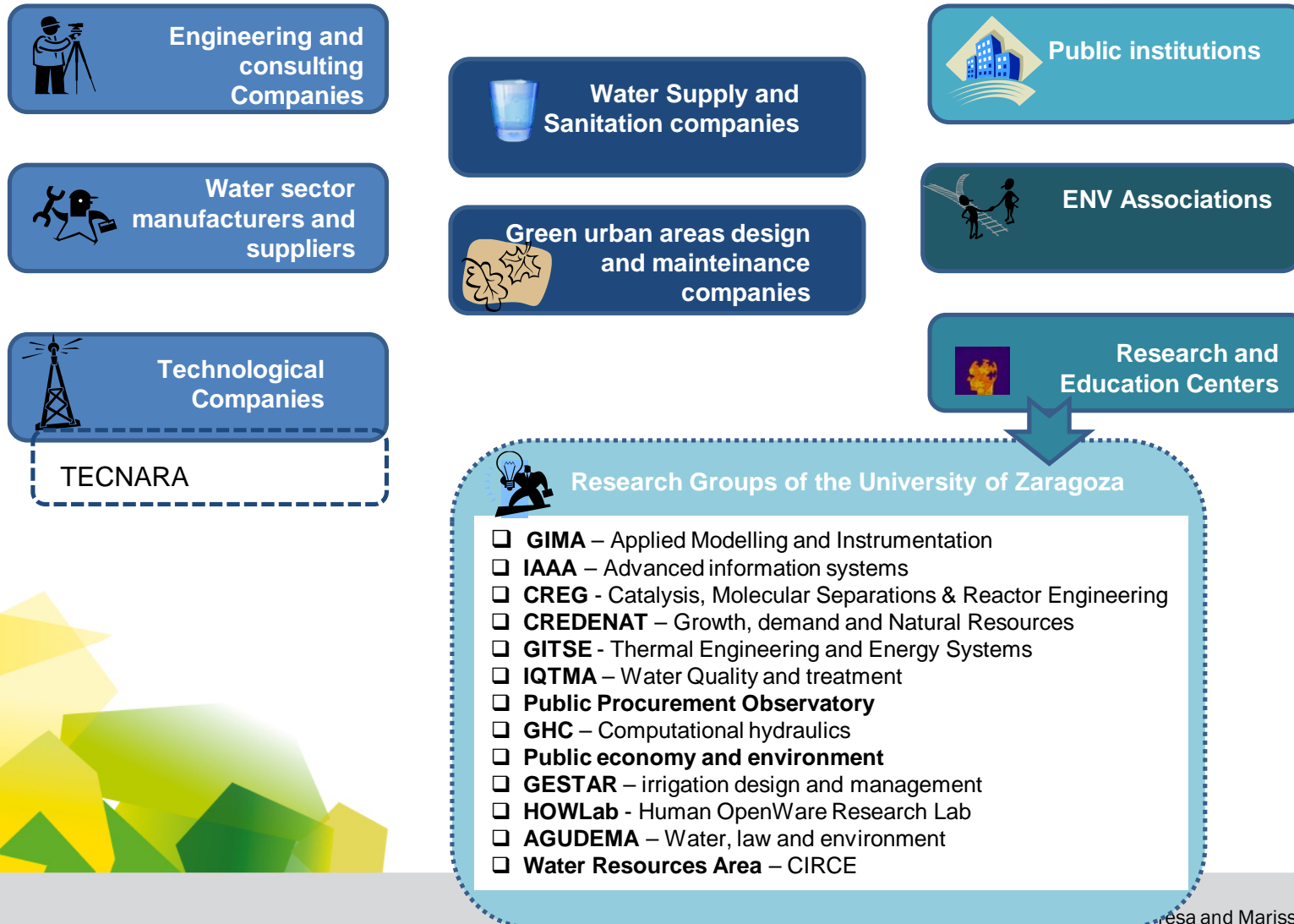


**Business, Research and entrepreneurship critical mass**



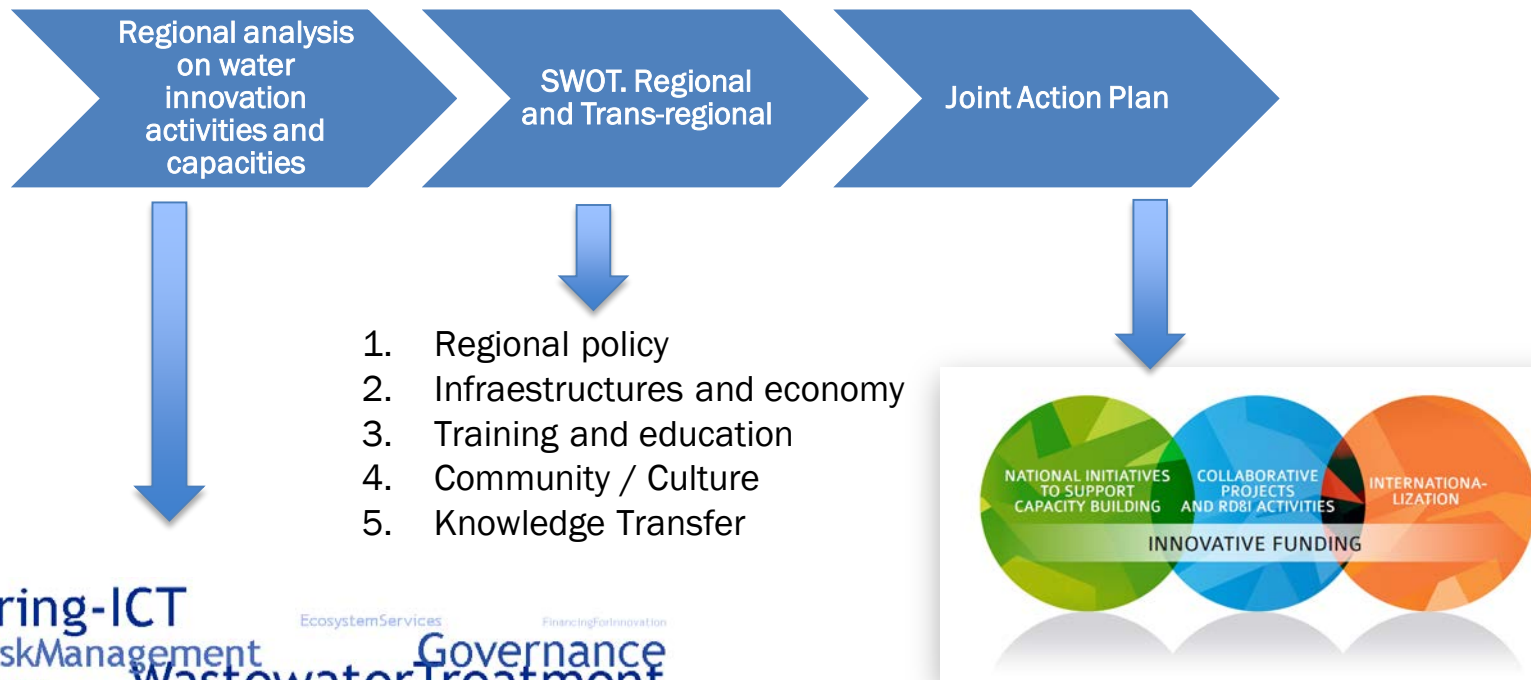
**ZINNAE Water Cluster**

## 2. REGIONAL INNOVATION LANDSCAPE IN WATER



### 3. WE@EU PROJECT. TOWARDS A JOINT ACTION PLAN

Aragon led the WE@EU project proposing a systematic approach to build up a joint agenda for innovation support through clusters in three years.

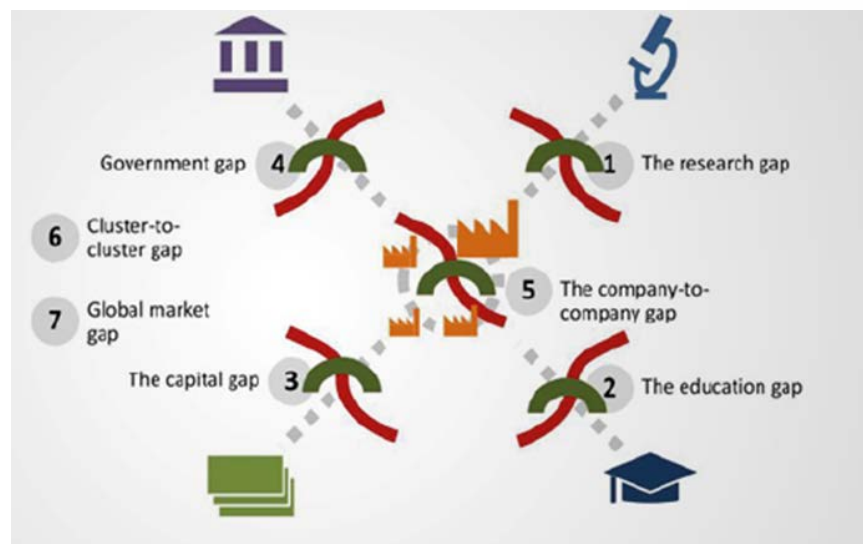


DSS-Monitoring-ICT  
Flood Drought Risk Management  
Recycling Reuse Wastewater Treatment  
Water-Energy Water Quality  
Ecosystem Services Financing For Innovation  
Governance

### 3. WE@EU ANALYSIS ON CAPACITY BUILDING THROUGH CLUSTERS

From problems:

✓ There is a lack of channels for the exchange of know-how between stakeholders.



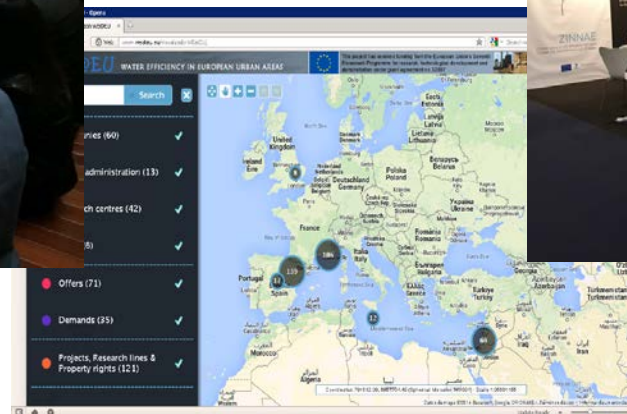
To WE@EU Solutions:

1. Bridging knowledge links between the “quadruple helix” actors, thus supporting the growth of the regional actors
2. Supporting water efficiency innovation at a regional scale through DEMO Sites, Entrepreneurial Spaces;
3. Raising awareness of water efficiency to stakeholders and the general public at a regional/ national level

## 4. CLUSTER SHOWCASE ON CAPACITY BUILDING

How are clusters supporting innovation through capacity building ?

1. **BRIDGING KNOWLEDGE LINKS.** Map and develop a community of regional actors linked to Water management in each region for a better understanding on the water challenges and capacities, as well as linkages with other disciplines/clusters.





## 4. CLUSTER SHOWCASE ON CAPACITY BUILDING

How are clusters supporting innovation through capacity building?

2. **DEMONSTRATE:** Validate new methodologies and/or technologies towards water protection in urban areas. All projects of ZINNAE are solution oriented projects to tackle water challenges, first regionally, then globally. Thus, our projects integrate regional capacities to **test – demonstrate – validate.**

Example 1. Smart monitoring of CSO in urban drainage

Example 2. Test bench for water saving products



## 4. CLUSTER SHOWCASE ON CAPACITY BUILDING

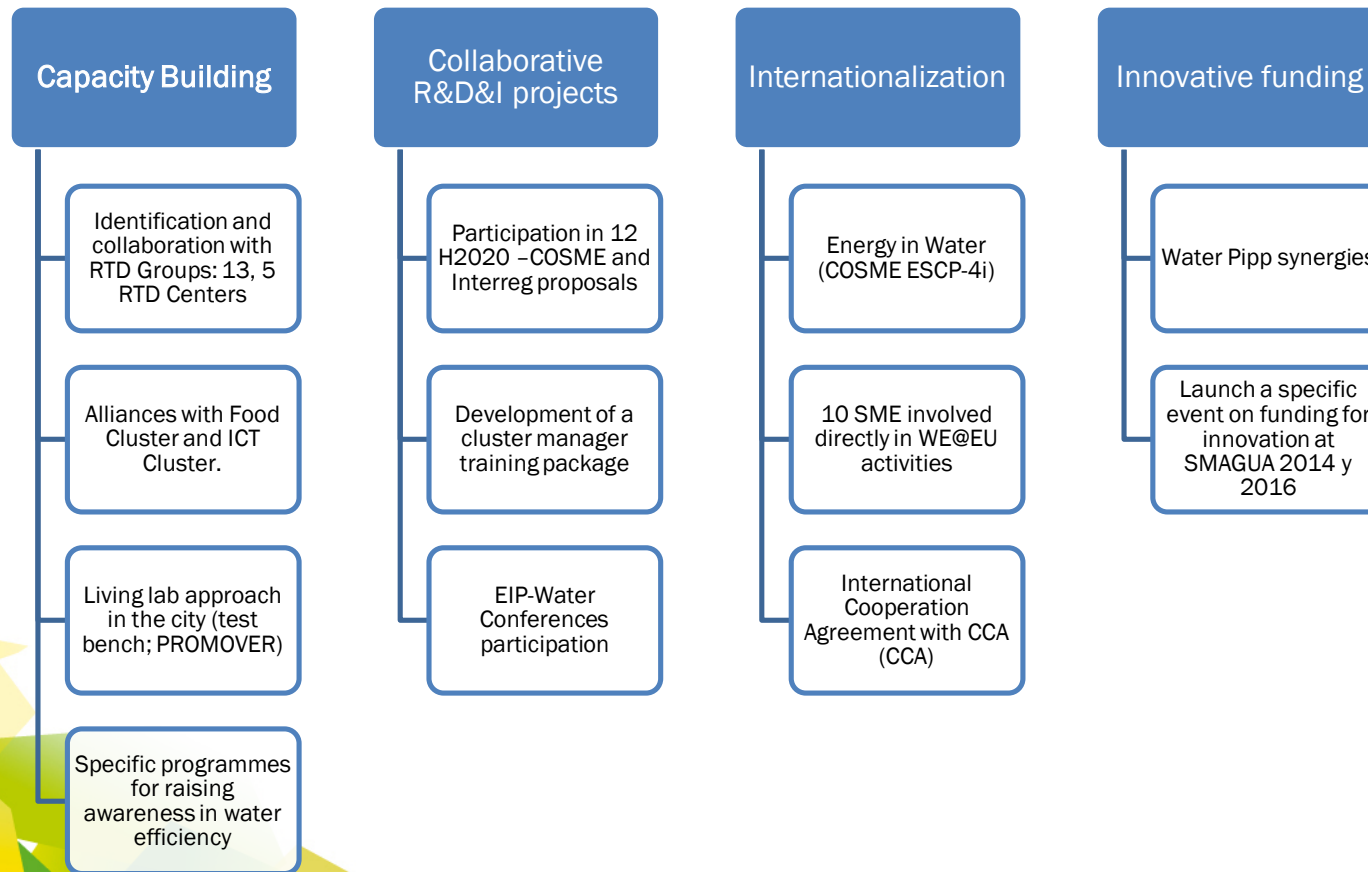
How are clusters supporting innovation through capacity building?

- 3. DISSEMINATE – Raise Awareness:** Disseminate best practices on water innovative approaches and raise awareness on innovation bottlenecks. Ex: From Test Bench to toilet renewal Campaign (to be launched in 2017).



### 4. WE@EU IMPACT ON ZINNAE

Many other impacts .....



**THANK YOU!!!!**

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#zinnaepower

