



# PRIMA

PARTNERSHIP FOR RESEARCH AND INNOVATION  
IN THE MEDITERRANEAN AREA

## *Management of water – Calls and topics 2019*

PRIMA INFO DAY 4 December, 2018

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# Management of water – Calls and topics 2019





- ▶ **Priority 1 Water resources availability and quality within catchments and aquifers**
- ▶ **Priority 2 Sustainable, integrated water management**
- ▶ **Priority 3 Irrigation technologies and practices**

S1	S2
RIA 1.1.1	
	RIA2.1.1
	RIA2.1.2

## Thematic Area Water management

-  Topic 1.1.1 RIA Sustainable groundwater management in water-stressed Mediterranean areas

## Thematic Area 1-Water management:

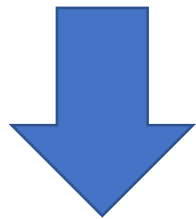
-  Topic 2.1.1 RIA Bridging the gap between potential and actual irrigation performance in the Mediterranean
-  Topic 2.1.2 RIA Management of low quality waters under water scarcity and climate change conditions

# Topic 1.1.1 RIA Sustainable groundwater management in water-stressed Mediterranean areas

## Challenge

Underground water bodies threatened by:

- overexploitation and pollution
- salinisation due to seawater intrusion (coastal areas)



Unbearable pressure on farming activities and ecosystems!



# Topic 1.1.1 RIA Sustainable groundwater management in water-stressed Mediterranean areas

## Scope

How to ensure **sustainable use and protection of groundwater** in the Med region?



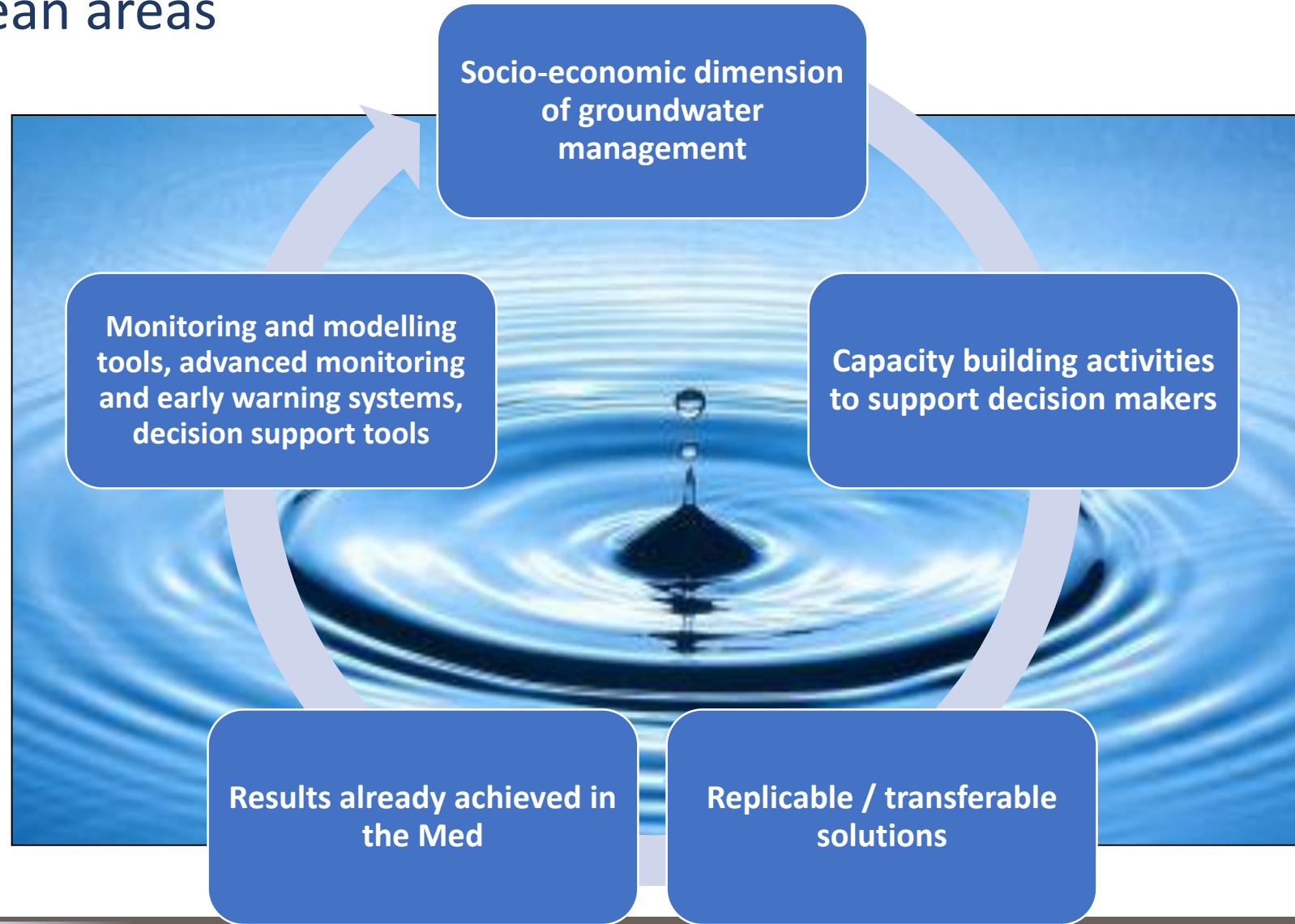
**Assessment/analysis of water balance components and water quality and quantity risks** related to intensive agricultural activities





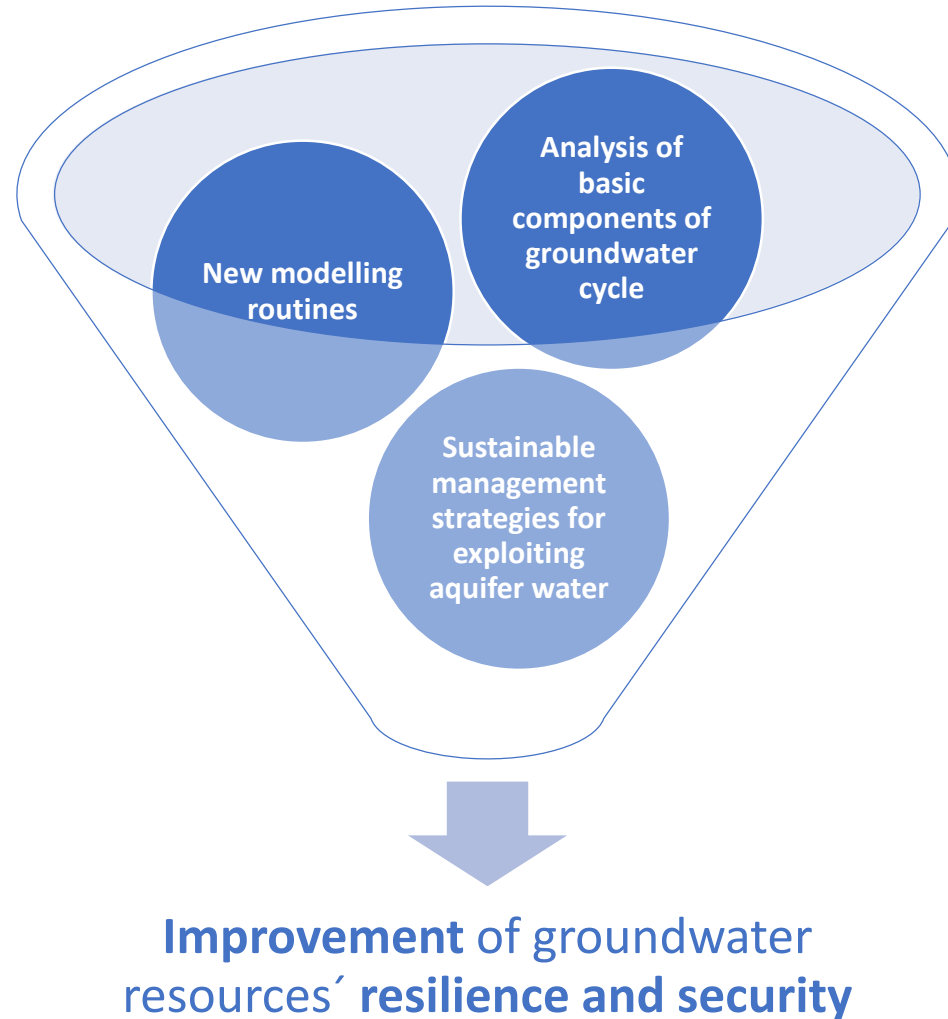
# Topic 1.1.1 RIA Sustainable groundwater management in water-stressed Mediterranean areas

## Results



# Topic 1.1.1 RIA Sustainable groundwater management in water-stressed Mediterranean areas

## Impact



## Topic 2.1.1 RIA Bridging the gap between potential and actual irrigation performance in the Mediterranean

### Challenge

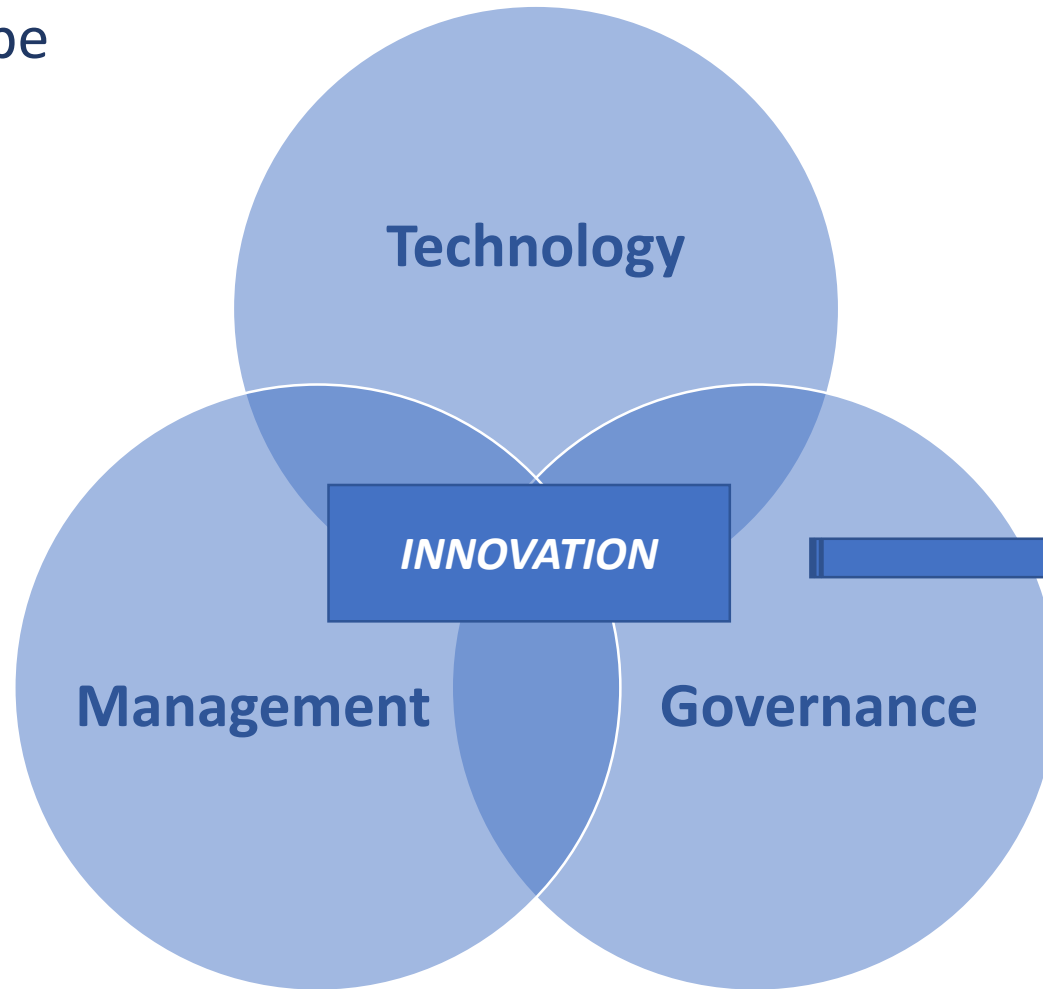
Irrigation = largest water-consuming activity in the Mediterranean basin



**Wide gap** between **actual water balances** and **optimum irrigation performance!**

## Topic 2.1.1 RIA Bridging the gap between potential and actual irrigation performance in the Mediterranean

Scope



Reduction of the gap between *actual* and *optimal* irrigation performance



**Sustainable irrigation in the Med**



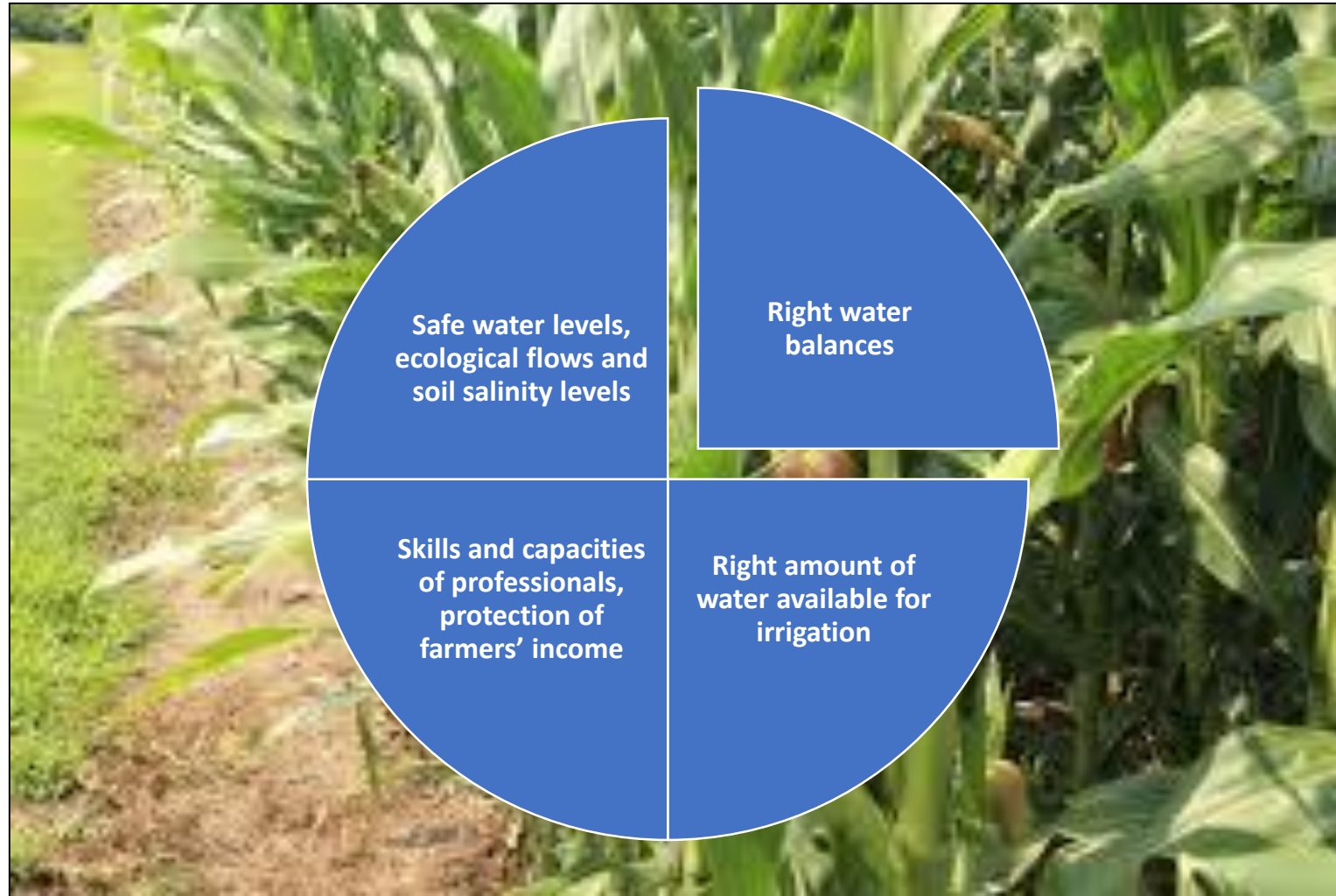
# Topic 2.1.1 RIA Bridging the gap between potential and actual irrigation performance in the Mediterranean

## Results



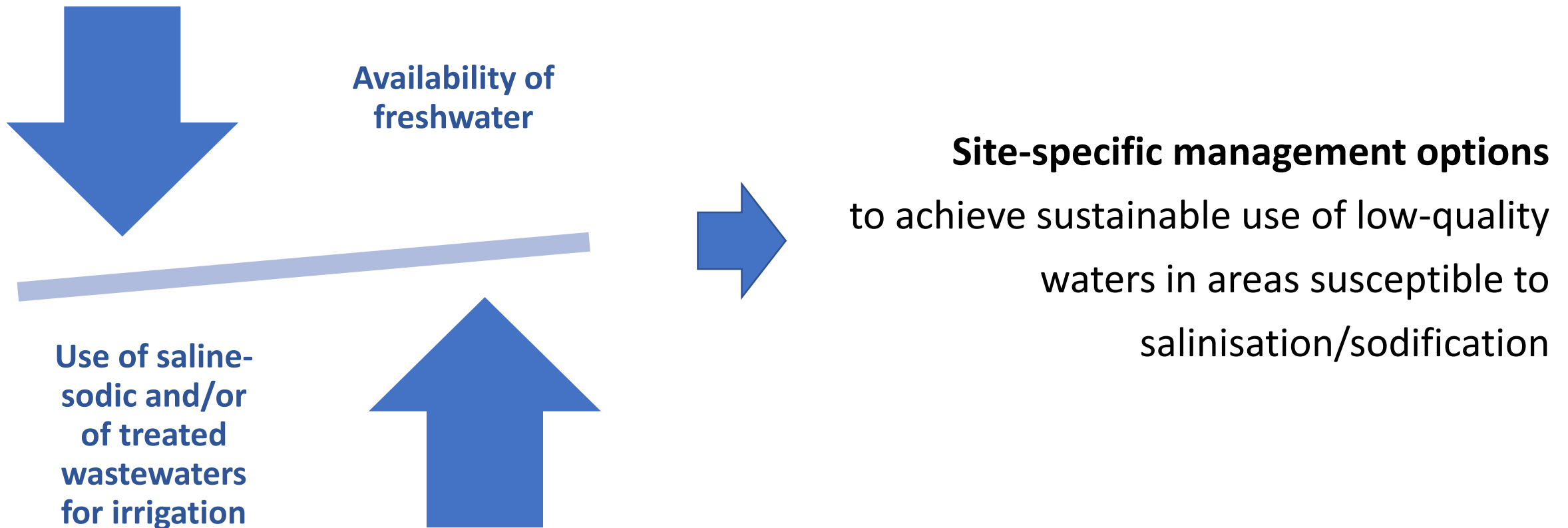
## Topic 2.1.1 RIA Bridging the gap between potential and actual irrigation performance in the Mediterranean

### Impact



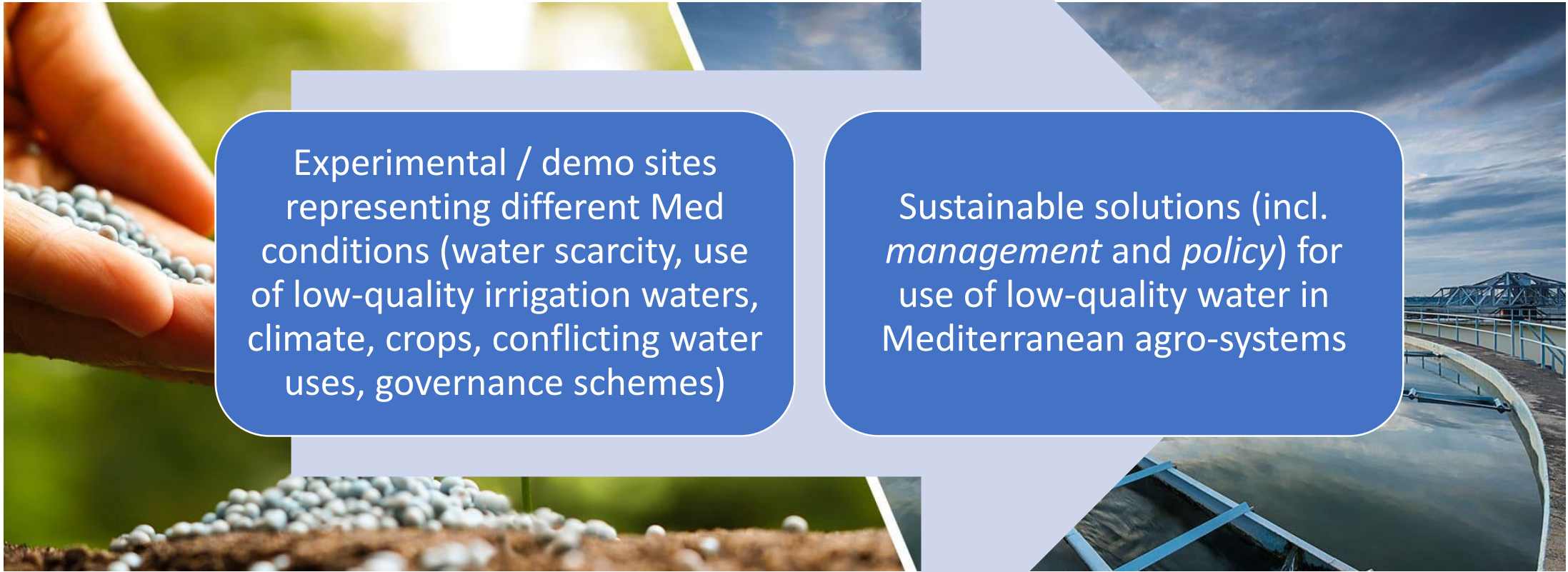
## Topic 2.1.2 RIA Management of low quality waters under water scarcity and climate change conditions

### Challenge



# Topic 2.1.2 RIA Management of low quality waters under water scarcity and climate change conditions

## Scope



Experimental / demo sites representing different Med conditions (water scarcity, use of low-quality irrigation waters, climate, crops, conflicting water uses, governance schemes)

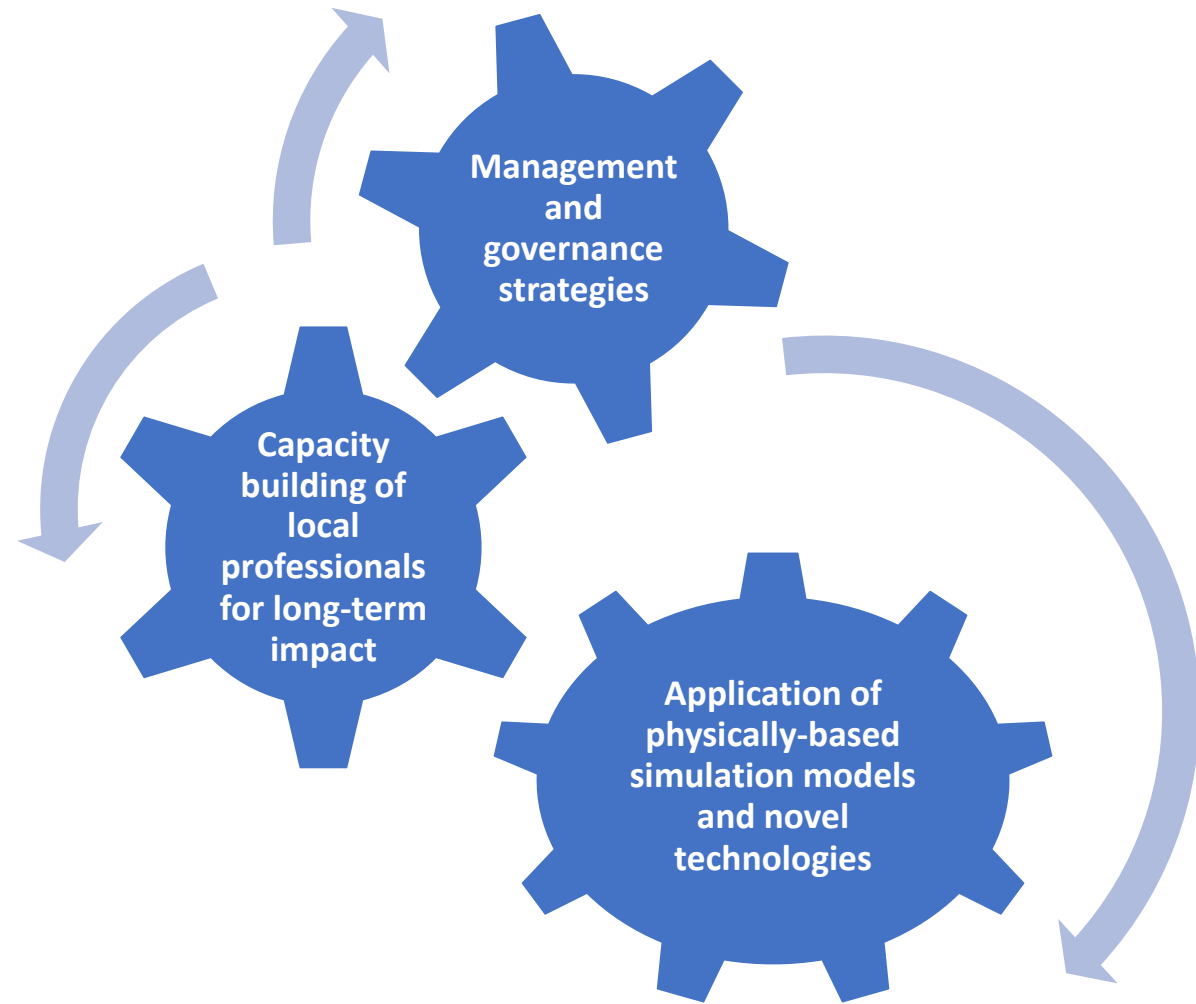
Sustainable solutions (incl. *management* and *policy*) for use of low-quality water in Mediterranean agro-systems



## Topic 2.1.2 RIA Management of low quality waters under water scarcity and climate change conditions

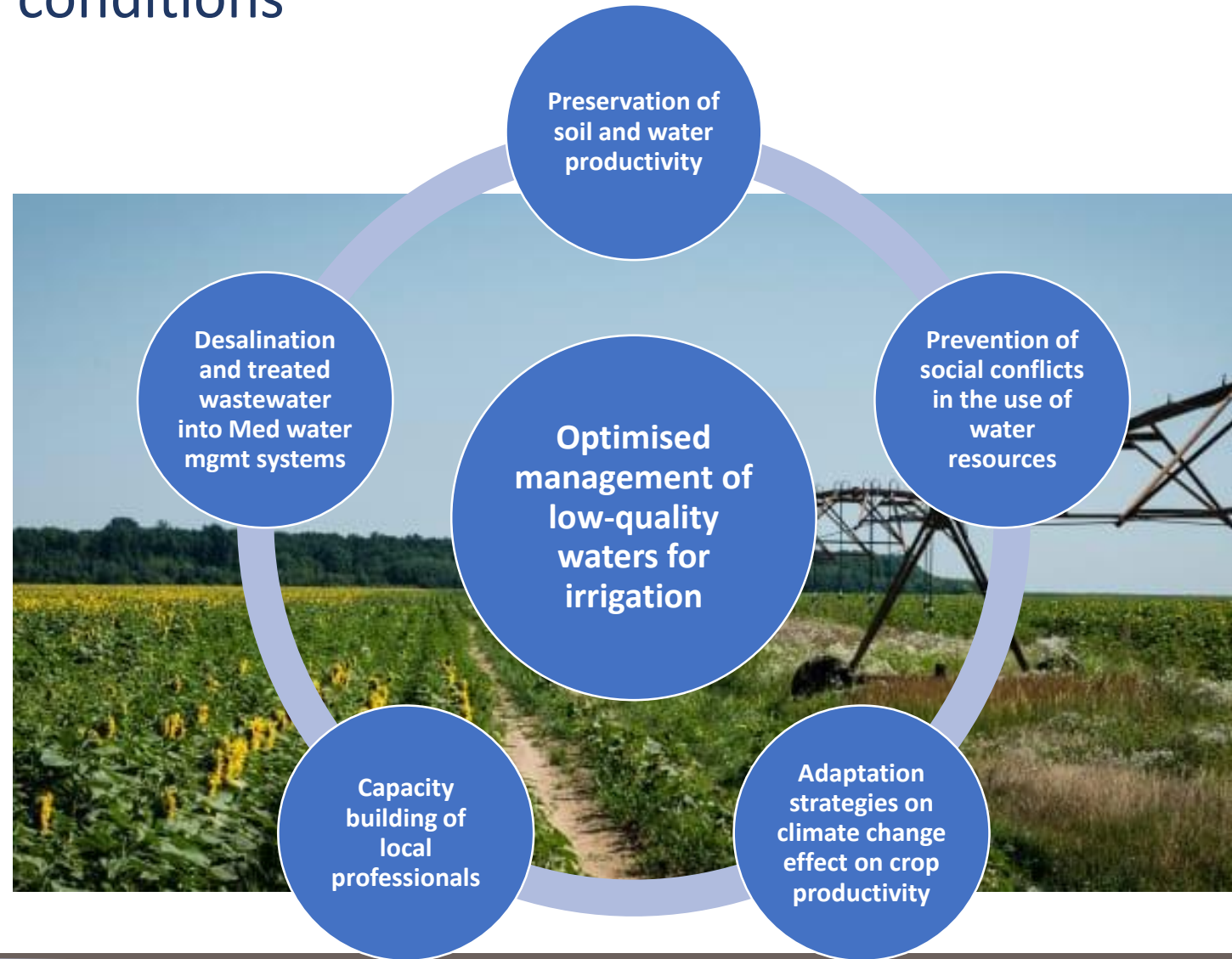
Results

**Prevent and control soil/water salinization and sodification**



# Topic 2.1.2 RIA Management of low quality waters under water scarcity and climate change conditions

## Impact



DISCLAIMER Preliminary information,  
AWP has not been approved by  
European Commission yet

Thanks for your attention!

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