



47° EurAQUA Management Board Meeting

Bruxelles, 27-28 September 2016

“Current status and future programmes/calls of
the
Water JPI and related ERAnets
and on other important
EU-level initiatives in water resources
management (PRIMA)”

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Environmental Research and Protection



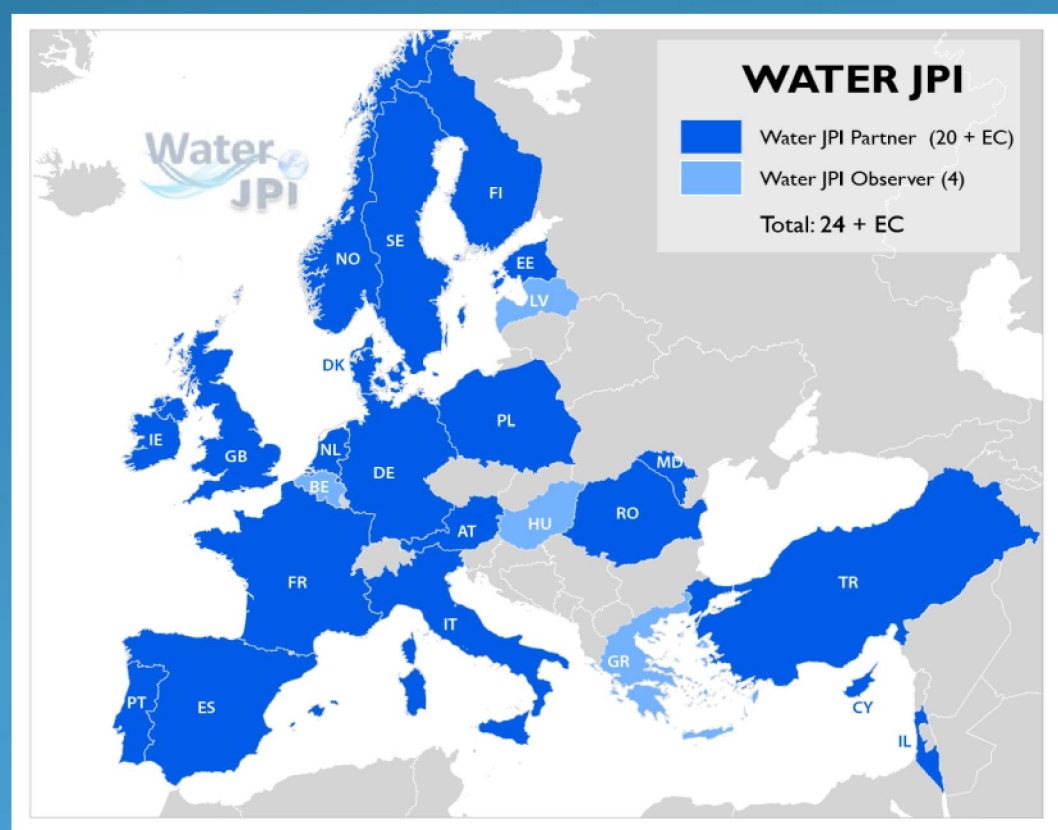
ISPRA

Istituto Superiore per la Protezione
e la Ricerca Ambientale



“Water challenges in a Changing World”

<http://www.waterjpi.eu>



The Water JPI is one of the ten Joint Programming Initiatives (JPIs) identified on relevant societal challenges.

The aim is to strengthen coordination and cooperation among EU Member States and Associated Countries about themes representing urgent and far-reaching problems, which could be better solved by joining efforts at European and international level.

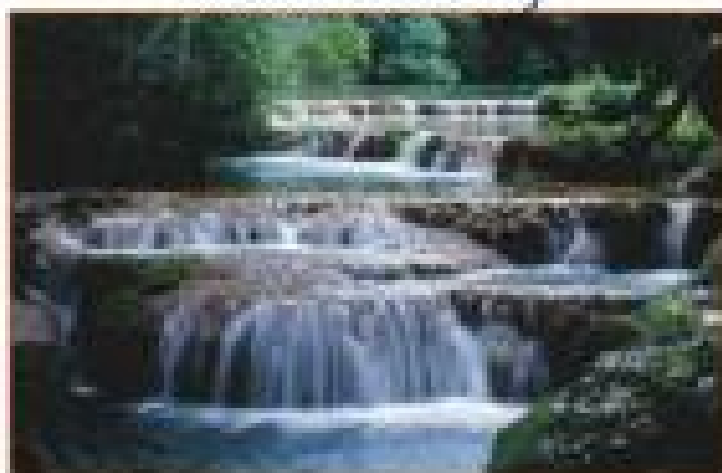
The Water JPI is harmonizing national Research, Development and Innovation (RDI) agendas and developing joint actions (projects, mobility and infrastructure) in the water sector.



“Water challenges in a Changing World”

5 themes (SRIA 2.0)

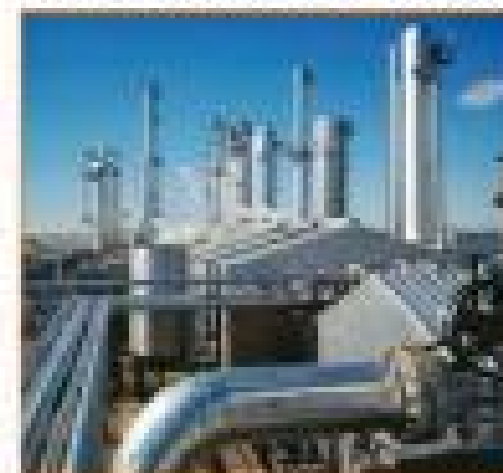
Maintaining ecosystem sustainability



Developing safe water systems for the citizens



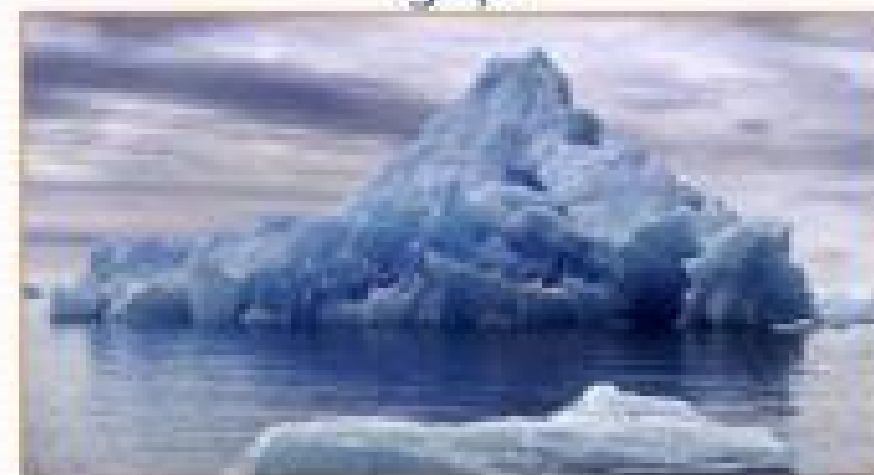
Promoting competitiveness in the water industry



Implementing a water-wise bioeconomy



Closing the water cycle gap



Pilot Call – Emerging Contaminants

MS 9 M€ - **7 funded projects** / Kick-off meeting 11 March 2015

WaterWorks2014 – Research and Innovation for Developing Technological Solutions and Services:

1. for Water Treatment, Reuse, Recycling and Desalination;
2. for Water Resources Management;
3. to Mitigate Impacts of Extreme Events (Floods and Droughts) at Catchment Scale.

MS : 12,3 M€ + EC: 6,06 M€ = 18,37 M€ **16 funded projects**

WaterWorks2015 – Water and Agriculture – in cooperation with FACCE JPI

MS: 17 M€ + EC: 8,5 M€ = 25,5 M€

Launch of the call: beginning of 2016 – II stage ongoing

IC4WATER Call – topic in relation with UN SDGs

WaterWorks2017 – Closing the Water Cycle Gap – Sustainable management of water resources (WP 2017- EC funds 10M€)

ERA-NET Cofund	Timeframe	SRIA Theme	Scope	Synergy with	Comments
H2020 SC5 WP 2018 – TBC?	2019-2023 – TBC?	Theme 1	1.1.1. Developing approaches for assessing the ecological functioning of ecosystems 1.2.3. Understanding and managing ecological flows 1.2.4. Integrated eco-technological solutions for the remediation and mitigation of degraded water bodies and aquatic ecosystems	BIODIVERSA	
H2020 SC5 WP 2019 – TBC?	2020-2024 – TBC?	Theme 2	2.1.2. Understanding and predicting the environmental behaviour and effects of by-products, pollutants and pathogens, including their environmental effects	JPI AMR	The proposed timing would correspond with the completion of the 2013 Pilot Call Projects
H2020 SC5 WP 2020 – TBC?	2021-2025 – TBC?	Theme 1	1.3.1. Understanding the causes of drought/scarcity, predicting drought events and water scarcity and developing adaptation measures 1.3.2. Developing innovative (or improved) tools for adaptation to hydro-climatic extreme events, especially floods	JPI Climate and/or JPI Urban Europe	The timing of this Joint call would allow to review the topics/scope covered by the foreseen Joint Call between Urban Europe & the Belmont Forum

International cooperation on water R&I

A collaboration with **India** (INNO INDINGO Partnership Programme) and a project dealing with water reuse and recycling with **South America** started under FP 7.



In **Water JPI ERANET Cofund 2014 and 2015** the partnership included **South Africa, Taiwan, USA, Canada, Tunisia, Egypt and Moldova.**



PIANO project supports the Europe-**China** water platform (CEWP) for enhancing the cooperation in R&I.

The cooperation with **Africa** and the **non-UE Mediterranean countries** is implemented by the **AfriAlliance** project, dealing with future climate change challenges having African and European stakeholders work together in the areas of water innovation, research, policy, and capacity development.

Towards an initiative under article 185 TFEU

2-3 April 2012, Barcelona EuroMediterranean
conference on R&I – Conclusions
“initiative under article 185”



July 2012, Nicosia Informal meeting of the ministers in charge of research,
Creation Open-end Core Group, transformed in General Assembly (9-14)

Meetings: Nicosia (7/2012), Paris (7/2012), Marrakech (1/2013), Rome (4/2013)
Beirut (7/2013), Istanbul (11/2013), Paris (12/2013), Rome (2/2014), Beirut
(3/2014), Bari (7/2014), Brussels (9 and 10/2014)

13 May 2014, Athens Informal meeting of the Ministers in charge of research

26 May 2014, Brussels Competitiveness Council

5 December 2014, Brussels Competitiveness Council - The Council invited
the EC, in full respect of its right of initiative, to launch an Impact Assessment



An integrated programme on food systems and water resources for the development of inclusive, sustainable and healthy Euro-Mediterranean societies based on

- INCONET : MIRA and MED SPRING to favor S&T policy dialogue and support with concrete actions the process towards an Art.185
- BILAT: EARN (DZ), EU-JORDAN Net II (JO), MOBILISE (MO)
 - ERA-WIDEs
 - ERANET with MPCs: ARIMNET 1 and 2 (Agri-food);
 - FORESTERRA, SEAS-ERA, MARINERA; MARIFISH...
 - ERANETMED (ERANET in the frame of INCO CAPACITY)
 - other projects dealing with the Mediterranean area (es. Perseus)

Towards an initiative under article 185 TFEU

CSA 4PRIMA



The overall objective of the 4PRIMA Coordination and Support Action (CSA) is to create the bases and support for long-term, well-structured and integrated partnership for research and innovation on food systems and water resources, between countries of both shores of the Mediterranean basin.

Objective 1. Contributing to alignment research and innovation programmes on food systems and water use in the Euro-Mediterranean Area

Objective 2. Ensuring awareness raising and stakeholder involvement

Objective 3. Ensuring an appropriate development and uptake of the Strategic Research and Innovation Agenda (SRIA) on the food and water themes in the EuroMed area

Objective 4. Unlocking innovation on water management and food security of the Mediterranean private and public actors

Objective 5. Ensuring sustainable support to PRIMA Initiative by adequate structure and robust implementation plan

Towards an initiative under article 185 TFEU

July 2016 - positive result of impact assessment on expert group evaluation and public consultation results

NEXT STEPS:

2016 Submission of EC Proposal to EU Council and EU Parliament

2017 Launch of the initiative under Maltese Presidency

2018 PRIMA initiative art.185 TFEU



Budget

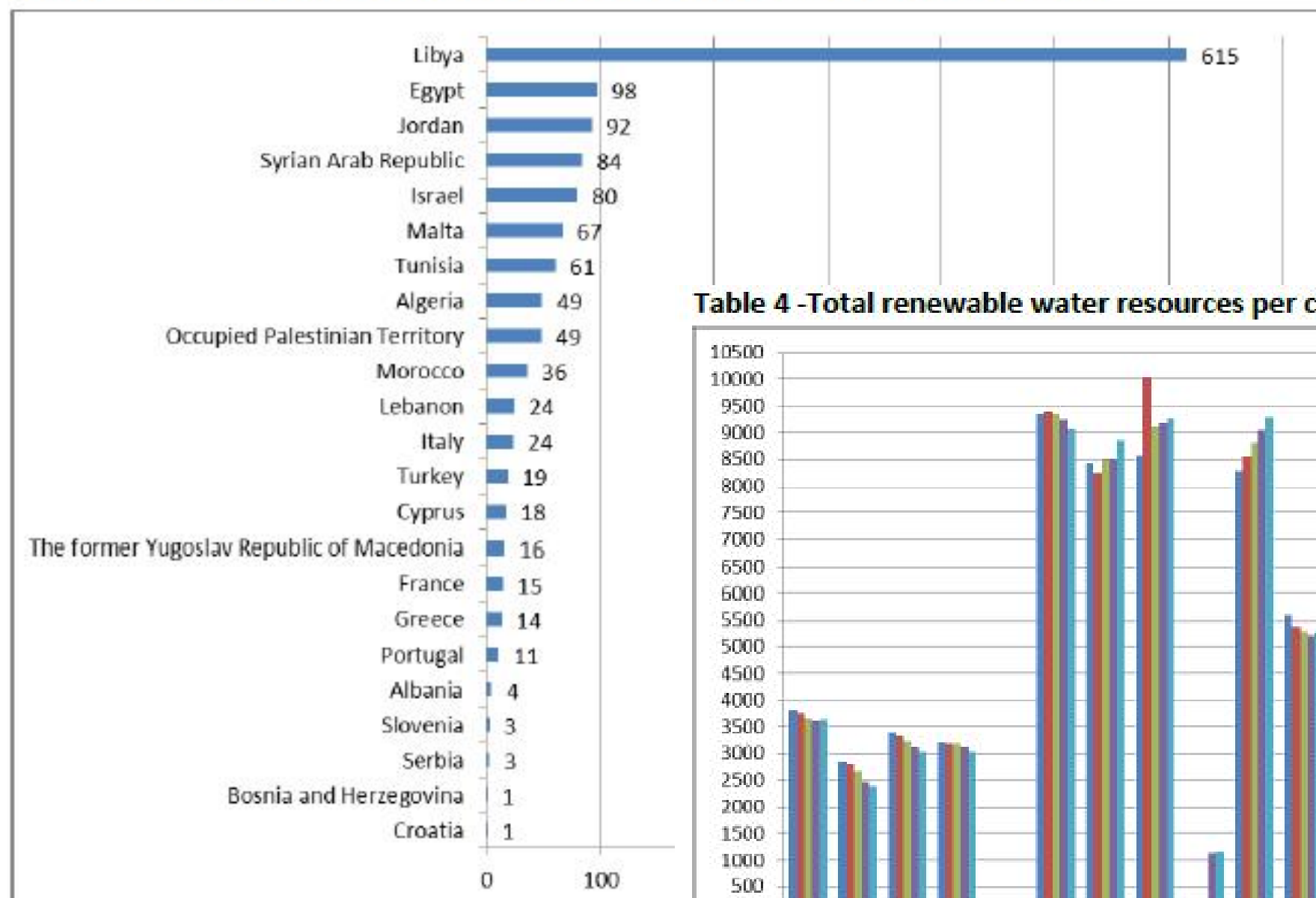
About 250 M€ cash contribution has been committed by participating PRIMA countries for the initiative, over a 10-year period as from 2018 (virtual common pot; EC contribution up to 50%)

General objectives

A Joint Research Programme within H2020
(**art.185 TFEU**)

- to develop **innovative solutions** and promote their adoption for improving the efficiency and sustainability of **food production** and processing and **water provision** in the **Mediterranean Area**
- to support an inclusive **well-being, stability and socio-economic development** in the Mediterranean Area, within the framework of a reinforced Euro-Mediterranean cooperation
- to facilitate the **creation of knowledge-based competences and jobs** in the Mediterranean Area

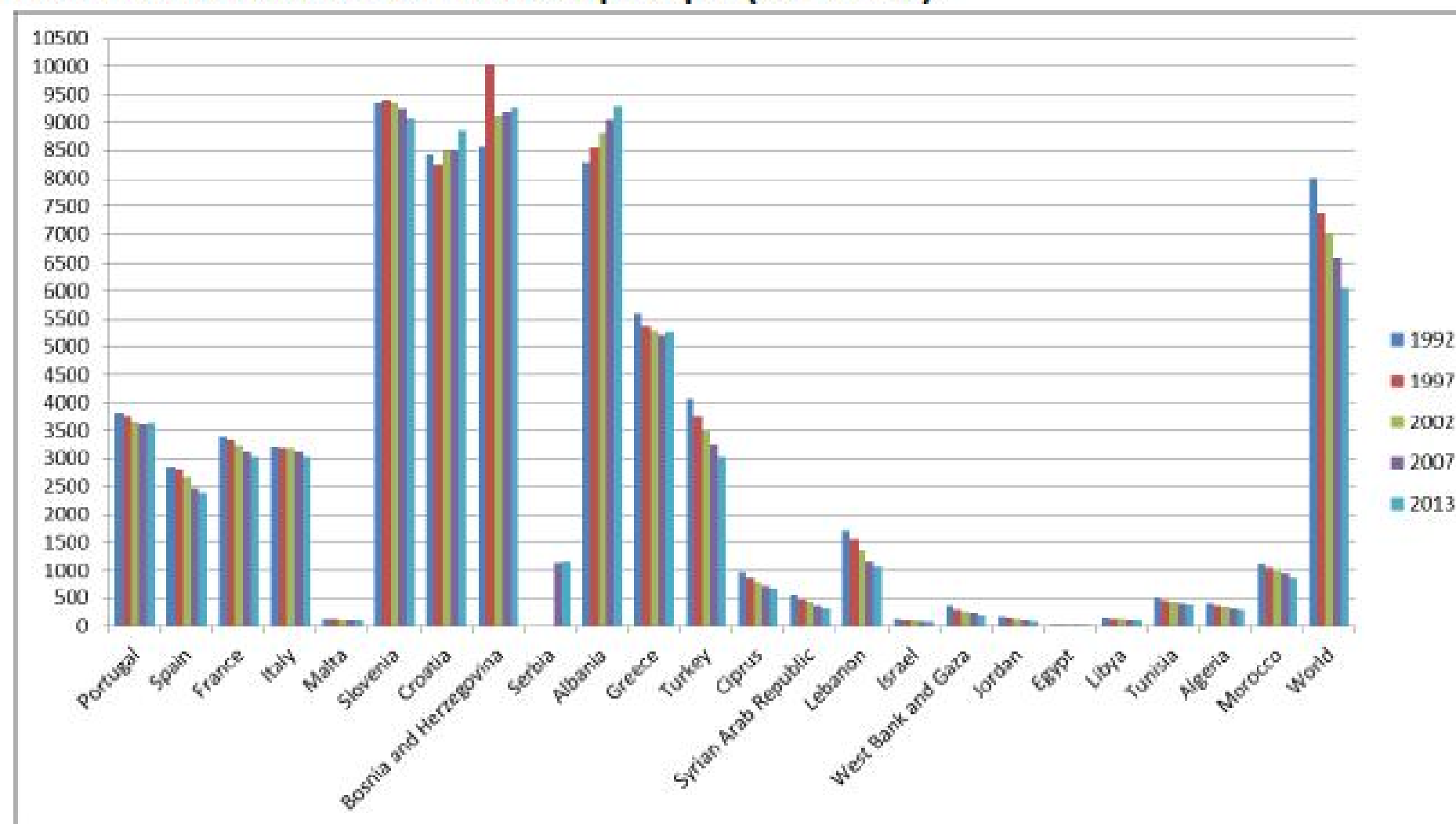
Table 6 - Annual freshwater withdrawal as % of total actual renewable water resources



Source: FAO. AQUASTAT database, 2015.



Table 4 - Total renewable water resources per capita (cubic meter).



Source: elaboration on World Bank data, 2015.

The global **per capita water availability scenario for 2025** shows a critical situation for SEMCs in Mediterranean area.

PILLAR 1

**Sustainable management
of water for arid and semi-
arid Med areas**

PRIMA OBJECTIVES

- 2. To test and stimulate adoption of context-tailored water-saving solutions, in particular in agriculture
- 7. To improve land and water sustainability in arid and semi-arid watersheds
- 8. To elaborate and stimulate adoption of new policies and protocols for the governance of water management systems

PILLAR 2

**Sustainable farming systems
under Med environmental
constraints**

PRIMA OBJECTIVES

- 1. To develop smart and sustainable farming systems to maintain natural resources and to increase production efficiency
- 5. To design and promote the adoption of novel approaches to reduce the impact of pests and pathogens in farming

PILLAR 3

**Mediterranean food value
chain for regional and local
development**

PRIMA OBJECTIVES

- 3. To innovate in the Mediterranean food products based on Mediterranean diet heritage and to enhance the links between nutrition and health
- 4. To find context-adapted solutions to increase food and water chain efficiency, and reduce losses and wastes
- 6. To conceive and implement innovative, quality oriented models in agro-business as potential sources of new jobs and economic growth

THANK YOU FOR YOUR KIND ATTENTION

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