

SWIM and Horizon 2020 Support Mechanism

Working for a Sustainable Mediterranean, Caring for our Future.

SWIM-Horizon2020 SM, its overall relevance to climate change and its contribution to enhancing the region's resilience to climate change considering the 'water-energy food-ecosystem nexus' approach

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COP22 Official Side Event: Enhancing the resilience of the Mediterranean region to climate variability and change through the SWIM-Horizon2020 Support Mechanism

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History - Background

Continuation and merging of two successful previous EU-funded service contracts

1. Horizon 2020 Capacity Building/Mediterranean Environment Programme (H2020 CB/MEP) (2009-2014)
2. Sustainable Water Integrated Management Support Mechanism (SWIM SM) (2010-2015)

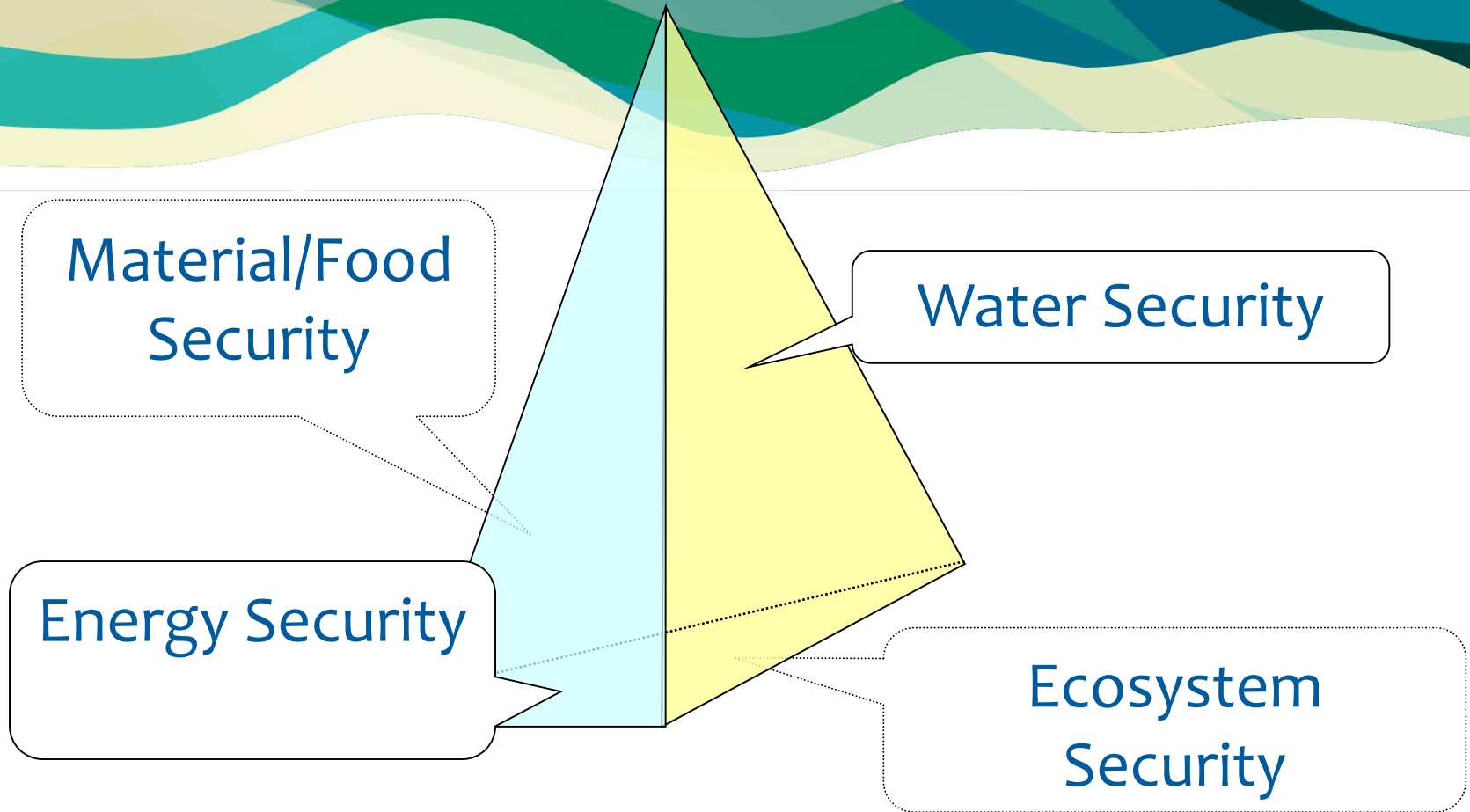
Project Initiation: February 2016

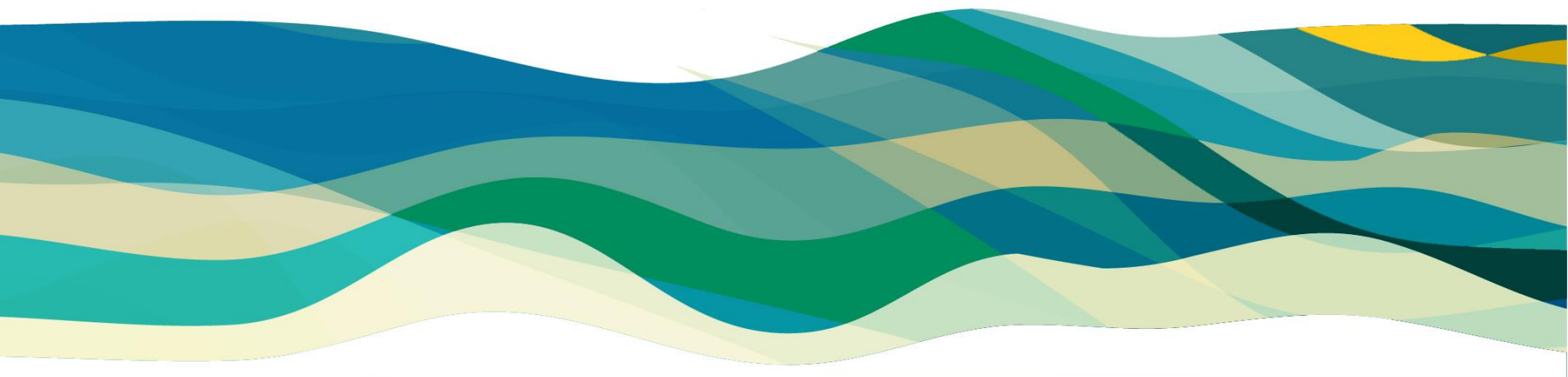
Inception Phase: February 2016 – September 2016

1. Background Search
 2. Country Reports
 3. Fact-finding Missions in all eight partner countries (Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Palestine, Tunisia)
 4. Inception Report including Work Programme for the entire period
 5. Continuous discussion with the countries to translate their needs into project activities
- 1st Steering Committee Meeting:** September 27-28, Brussels. Joint meeting of Horizon 2020 and SWIM Country Focal Points

The water-energy-food-ecosystem nexus is directly

impacted by climate change



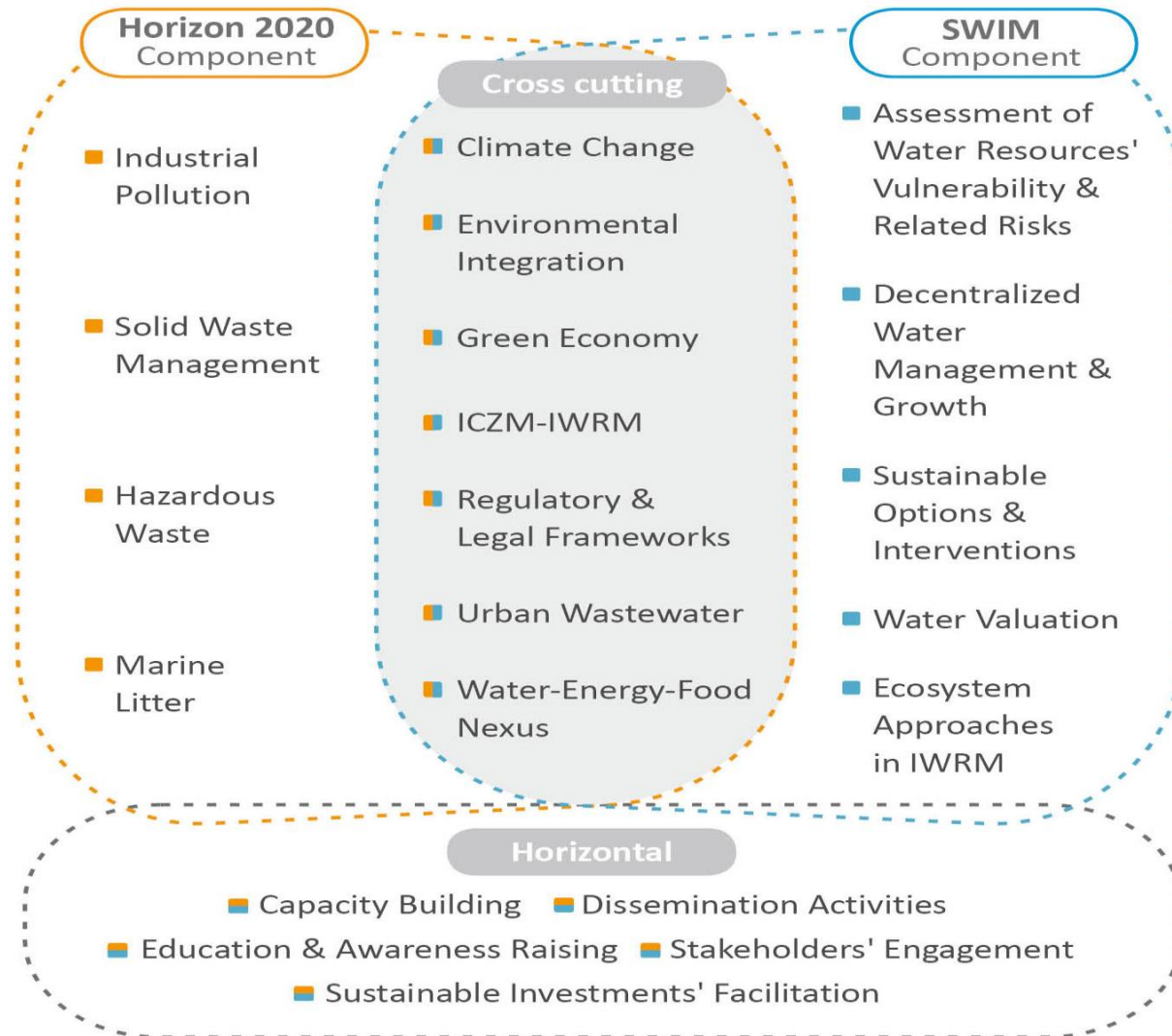


**The SWIM-Horizon 2020 SM Project contributes
directly and indirectly
to CC adaptation and mitigation approaches
through several activities and interventions**



Main Themes

The project includes several direct and indirect contributions to CC adaptation and mitigation approaches



Main types of Actions

- Provide tailored and targeted technical assistance at national level based on partners' requests through an Expert Facility;
- Organize regional (or sub-regional) peer-to-peer seminars and webinars;
- Conduct on-site training courses and study tours;
- Capitalize on the lessons learnt, good practices and success stories;
- Logistically and technically support the Horizon 2020 Initiative's Steering Group and Sub Groups and meetings of the Union for the Mediterranean's Water Experts Group

Implementing Consortium

Consortium Partner	Country
LDK Consultants S.A.	Greece
Arab Countries Utilities Association (ACWUA)	Jordan
Arab Network for Environment and Development (RAED)	Egypt
Association of Cities & Regions for Recycling and Sustainable Resource Management (ACR+)	Belgium
Catalan Waste Agency (hosting institution of Regional Activity Centre for Sustainable Consumption and Production (SCP/RAC))	Spain
EEIG UT-SEMIDE	France
GLOBE ONE LTD	Greece
Haskoning DHV Nederland B.V.	Netherlands
Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO-ECSDE)	Greece
Milieu Ltd.	Belgium
National and Kapodistrian University of Athens	Greece
Umweltbundesamt GmbH	Austria
WS Atkins International Ltd	United Kingdom

Workplan development

Fact Finding Missions took place between the 25th April and 2nd June 2016. Eight countries were visited (Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Palestine, and Tunisia). Libya was not visited.

Start Date	End Date	Country
25/4/2016	26/4/2016	Morocco
4/5/2016	5/5/2016	Algeria
8/5/2016	10/5/2016	Jordan
11/5/2016	13/5/2016	Lebanon
14/5/2016	16/5/2016	Israel
17/5/2016	19/5/2016	Palestine
29/5/2016	30/5/2016	Egypt
31/5/2016	2/6/2016	Tunisia

53 meetings
~ 300 people

Immediate Outcomes of the Fact-Finding Missions

The Minutes of Country Missions and all the data collected, were compiled and codified per country and compared, enriched, complemented with the written request/lists submitted by the SWIM and H2020 Focal Points after the missions.

559 Requests/**480** “eligible”:

125 entries for the H2020 SM

215 entries for the SWIM SM

140 entries that are of common interest

Many of them directly or indirectly were related to adaptation to climate change.

Filtering, synthesis and consolidation followed (taking into account several other factors e.g. the list provided by MeHSIP related to the capacity building needs stemming from their NAPs analysis).

The final priority/request list(s) to be addressed by the project was finalised after thorough study and discussions amongst the Experts Team and selected experts/staff of the Consortium members.

Compilation and codification of countries' priorities

The **criteria** that were used for selection (and clustering) :

- It must be demand driven
- It addresses equitably (almost equally) all and each of the Partner Countries
- It responds, to the extent possible, to the aspirations and requests of the country stakeholders and specifically to the needs of women and youth
- It supports regional processes and the agendas of the relevant Horizon 2020 Initiative's and SWIM institutional partners , including those related to climate change
- It works in alignment and synergy with bilateral programmes; has a mutually beneficial relationship with other programmes and projects; no duplication of efforts
- It makes the best use of the expertise and resources available to its Consortium members
- It observes the 60/40 balance in resource allocation between the two components: Horizon 2020 SM and SWIM SM
- It is do-able and manageable and, at the end of the day, leaves its “stamp” and legacy in the environmental and water matters of the region

Compilation and codification of countries' priorities

Technical criteria for filtering the country requests:

relevance to the project's objectives and purposes;

commitment of PCs - ensuring complete ownership;

utilisation of the outputs/results of the proposed activities by the PCs;

tangibility;

replicability;

efficiency;

sustainability;

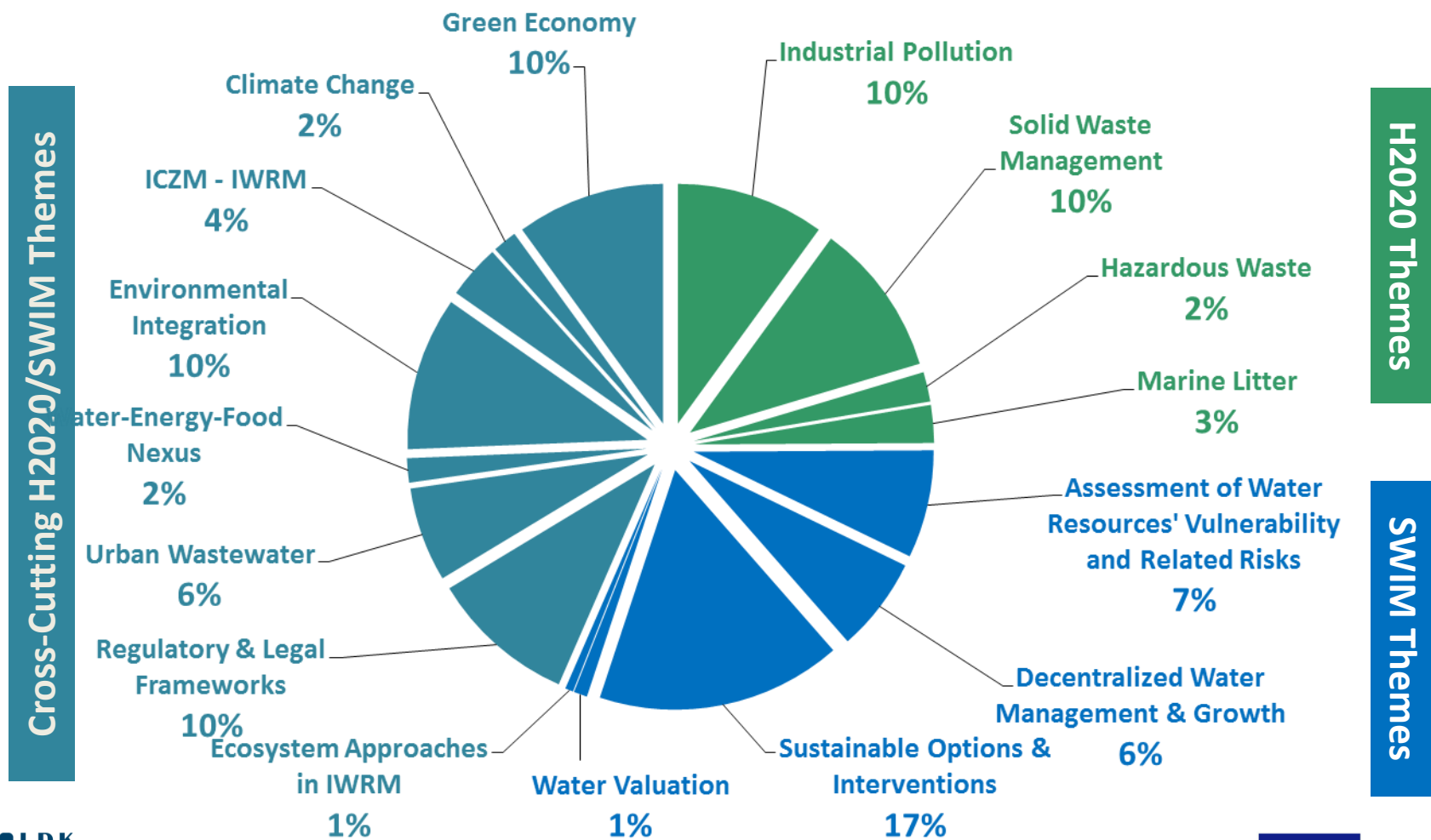
urgency;

added value to other EC interventions and/or relevant regional policies;

gender mainstreaming criteria and

synergy with wider PCs' initiatives.

Requests collected on both **Water** and **Environment** related issues



Compilation and Codification of Countries' Priorities

The Work Plan (Work Packages: 1, 2 and 3 of the project) in a nutshell:

47 Activities proposed to be undertaken under the Expert Facility (WP1) in all Partner Countries

14 Activities under Peer to Peer Experience Sharing and Dialogues including Webinars (WP 2)

21 Training Activities including Study Tours (WP3)

16 Annual National Stakeholder Meetings for all partner countries

Cross Cutting SWIM-H2020 themes in connection to climate change

Theme	Description
Environmental Integration	This includes technical assistance and facilitation of institutional reforms, <u>inter-sectorial approaches</u> (including those related to climate change, adaptation and mitigation) and actions pushing for the consideration of environmental aspects in decision making and activities of other sectors in order to move towards sustainable development.
ICZM - IWRM	This new theme supports the <u>integrated management of coastal zones (ICZM) in combination with IWRM, Ground Water Management and Adaptation to Climate Change</u> , through the application of the Integrative Methodological Framework (IMF), aiming also at enhancing the implementation of the ICZM Protocol of the Barcelona Convention and of the related activities under NAPs;
Climate Change	Within the context of SWIM & H2020 SM, <u>activities not covered by other relevant projects</u> may be included, with a focus on integrating adaptation dimensions of climate change in the water and environment sectors.
Green Economy	Through this theme facilitation and promotion of green options (<u>circular economy, cleaner production, eco-efficiency</u> , etc.) related to the various technical approaches employed, will be supported contributing also to the implementation of the Sustainable Consumption and Production Med Action Plan.

Cross Cutting SWIM-H2020 themes in connection with adaptation to CC

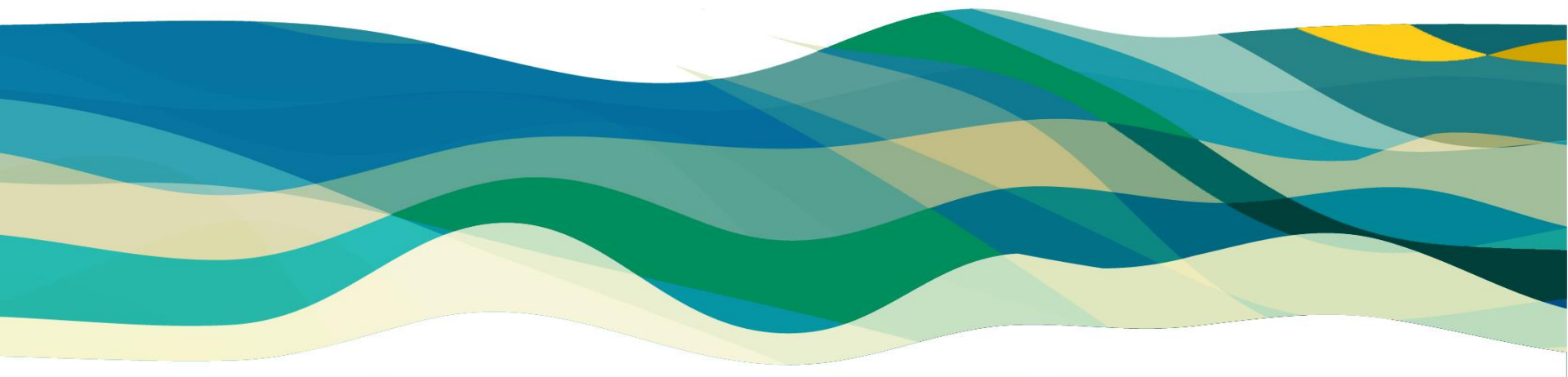
Themes	Description
Regulatory & Legal Frameworks	Under this theme a series of activities are included, related to the development, re-design and consolidation of regulatory and legal frameworks. The latter could facilitate appropriate environmental governance and mainstreaming including better application of IWRM and provision of improved sustainable water supply and sanitation services.
Urban Wastewater	This theme includes many important activities related to wastewater management; sludge treatment; leachate treatment; development of technical skills in operation and maintenance of Wastewater Treatment plants; cheaper and best available technological solutions for Wastewater Treatment; treated wastewater reuse / water recycling ; and the use of bio-solids.
Water-Energy-Food Nexus	This new theme includes activities that enhance sustainability and security, cutting-across the domains of water, energy and food production, supply, distribution and use, taking into account also the optimal utilization of ecosystem services.

Regional Activities Work Plan and connections with adaptation to CC

Themes	Training Activities including Study Tours		Peer to Peer Experience Sharing ² Dialogues including Webinars	
	Regional On site trainings	Study Tours	Peer to Peer	Webinars
Solid Waste Management		xx	xx	
ICZM / IWRM		x		x
Marine Litter	x		x	x
Green Economy	x		x	
Industrial Pollution	x		x	x
Hazardous Waste (and industrial pollution)		x	x	
Decentralized Water Management and Growth	xx	x	x	
Assessment of water Resources Vulnerability and Related Risks	xx	x	x	x
Sustainable Options and Interventions	x		x	
Green Economy	x			
Education and Awareness Raising	x			
Regulatory and Legal Frameworks	x			
Stakeholders Engagement	x			
Sustainable Options and Interventions / Water –Energy- Food Nexus	x			
Sustainable Investment Facilitation	x			
Communication, Dissemination and Administrative Operations	x			

The Vertical and Horizontal Connection of the Various Activities of the Work Plan and their connection with adaptation to climate change

Themes:	WP1								WP2		WP3	
	Expert Facility								Peer-to-Peer	Webinars	Trainings	Study Visits
	Countries								"Systems" of countries (some or all)/Regional - Subregional			
	DZ	EG	IL	JO	LB	MO	PS	TN				
Sustainable options & interventions; Nexus	XX			X					X	X	XX	
Environmental Integration	XX			XX			XX	X			X	
Marine litter	XX	X				X			X	X	X	
Decentralized water management and Growth		X			X	X		X	XX		XX	X
Assessment of water resources' vulnerability and related risks		XX	X	X			X	X			XX	X
Municipal Solid Waste Management		X	XX					X	XX		X	XX
Industrial Pollution		X	X		X	X	X	XX	X	X	X	X
Ecosystem approaches in IWRM			X									
Regulatory & legal frameworks			XX		X	X			X		XX	
ICZM-IWRM; IWRM					X	X	X			X		X
Hazardous waste							X		X			
Green Economy	X		X	X		X		X	X		XX	
Sustainable Investment Facilitation											X	
Stakeholders Engagement	XX	XX	XX	XX	XX	XX	XX	XX			X	
Support UNEP/MAP NAPs											X	



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