



Work Package 5.1 Deliverable

“Recommendations on strengthening the science-policy interface”

Version	Document Title	Authors/contributors	Review and Clearance
3 September 2018	Recommendations on strengthening the science- policy interface	Thomais Vlachogianni Anastasia Roniotes Iro Alampei	Michael Scoullos



Recommendations on strengthening the science-policy interface



Working for a Sustainable Mediterranean,
Caring for our Future.



THE SWIM AND H2020 SUPPORT MECHANISM PROJECT (2016-2019)

The SWIM-H2020 SM is a Regional Technical Support Program that includes the following Partner Countries (PCs): Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, Palestine, [Syria] and Tunisia. However, in order to ensure the coherence and effectiveness of Union financing or to foster regional co-operation, eligibility of specific actions will be extended to the Western Balkan countries (Albania, Bosnia Herzegovina and Montenegro), Turkey and Mauritania. The Program is funded by the European Neighborhood Instrument (ENI) South/Environment. It ensures the continuation of EU's regional support to ENP South countries in the fields of water management, marine pollution prevention and adds value to other important EU-funded regional programs in related fields, in particular the SWITCH-Med program, and the Clima South program, as well as to projects under the EU bilateral programming, where environment and water are identified as priority sectors for the EU co-operation. It complements and provides operational partnerships and links with the projects labelled by the Union for the Mediterranean, project preparation facilities in particular MESHIP phase II and with the next phase of the ENPI-SEIS project on environmental information systems, whereas its work plan will be coherent with, and supportive of, the Barcelona Convention and its Mediterranean Action Plan.

The overall objective of the Program is to contribute to reduced marine pollution and a more sustainable use of scarce water resources. The Technical Assistance services are grouped in 6 work packages: WP1. Expert facility, WP2. Peer-to-peer experience sharing and dialogue, WP3. Training activities, WP4. Communication and visibility, WP5. Capitalizing the lessons learnt, good practices and success stories and WP6. Support activities.



Disclaimer:

This document has been produced with the financial support of the European Union.
The contents are the sole responsibility of the implementing Consortium and can in no way be taken to reflect the views of the European Union.



TABLE OF CONTENTS

1.	INTRODUCTION.....	9
2.	BACKGROUND AND SCOPE.....	11
3.	METHODOLOGY	12
4.	RESULTS	16
5.	SELECTED RESEARCH PROJECTS (CASE STUDIES)	17
6.	SELECTED RESEARCH PROJECTS (CASE STUDIES)	37
ANNEX I. BRIEF DESCRIPTION OF THE THEMES COVERED UNDER SWIM-H2020 SM		46
ANNEX II. LIST OF PRE-SCREENED RESEARCH PROJECTS		48
ANNEX III. LIST OF FULLY MAPPED RESEARCH PROJECTS		63
ANNEX IV. LIST OF RESEARCH PROJECTS MAPPED IN THE 2018 UPDATE		77



LIST OF TABLES

Table 3—1: Selection criteria applied for the research projects reviewed in order to secure relevance and representativity.	12
Table 4—1: List of the screened programmes' databases and their respective links.	17
Table 5—1: Overview of selected research and innovation projects to serve as case studies.	17
Table 5—2: The H2020 Research BlueSCities project.	20
Table 5—3: The LIFE+ CITYWATER project.	21
Table 5—4: The FP7 CLEANSEA project.	21
Table 5—5: The FP7 COSNIDER project.	22
Table 5—6: The IPA Adriatic DeFishGear project.	22
Table 5—7: The FP7 EPI WATER project.	23
Table 5—8: The FP7 GAP2 project.	23
Table 5—9: The LIFE+ INHABIT project.	24
Table 5—10: The FP7 KNEU project.	24
Table 5—11: The FP7 KNOSOS project.	25
Table 5—12: The LIFE+ SMILE project.	25
Table 5—13: The FP7 MEDIATION project.	26
Table 5—14: The FP7 NOVIWAM project.	26
Table 5—15: The FP7 PERSEUS project.	27
Table 5—16: The FP7 RECODE project.	27
Table 5—17: The H2020 research ReSpirA project.	28
Table 5—18: The LIFE+ RESTORE project.	28
Table 5—19: The FP7 RRI TOOLS project.	29
Table 5—20: The FP7 SEAS ERA project.	29
Table 5—21: The IPA Adriatic SHAPE project.	30
Table 5—22: The FP7 STAGES project.	30
Table 5—23: The FP7 WASSERMed project.	31
Table 5—24: The LIFE+ WATOP project.	31
Table 5—25: The FP7 WASSERMed project.	32
Table 5—26: The ENPI CBC Med ZERO WASTE PRO project.	32
Table 5—27: The H2020 Research AquaSpace project.	33
Table 5—28: The H2020 Research AquaSpace project.	33
Table 5—29: The H2020 Research Innovcities project.	34
Table 5—30: The H2020 Research KINDRA project.	34
Table 5—31: The LIFE+ RAMSES project.	35
Table 5—32: The LIFE+ MAC EAU project.	35
Table 5—33: The FP7 SWITCH-ON project.	36
Table 5—34: The LIFE+ WaterLife project.	36
Table 6—1: Mediterranean and European projects explicitly focused on deepening the understanding of the interactions on the science-policy interface.	40

LIST OF FIGURES

Figure 1-1: Scientific input to the policy cycle (source: EC, 2012)	9
---	---



ABBREVIATIONS

CSO	Civil Society Organization
DG	Directorate General
DG REGIO	Directorate General for Regional and Urban Policy
EC	European Commission
ECAP	Ecosystem Approach
EEA	European Environment Agency
ENP	European Neighbourhood Policy
ENPI	European Neighbourhood Policy Instrument
CBC	Cross-Border Cooperation
EU	European Union
FP7	7 th Framework Programme
GES	Good Environmental Status
GIS	Geographic Information System
ICZM	Integrated Coastal Zone Management
IEEP	Institute for European Environmental Policy
IPA	Instrument for Pre-Accession Assistance
IWRM	Integrated Water Resources Management
JRC	Joint Research Centre
MPC	Mediterranean Partner Countries
MRIs	Marine Research Infrastructures
MSFD	Marine Strategy Framework Directive
MSP	Maritime Spatial Planning
NGO	Non-Governmental Organization
PPCPs	Pharmaceutical and Personal Care Products
RBMP	River Basin Management Plans
RI	Research and Innovation
SME	Small Medium Enterprise



SWIM-H2020 SM	Sustainable Water Integrated Management and Horizon 2020 Support Mechanism
SWOT	Strengths, Weaknesses, Opportunities and Threats
UfM	Union for the Mediterranean
UNEP/MAP	United Nations Environment Programme / Mediterranean Action Plan
WFD	Water Framework Directive

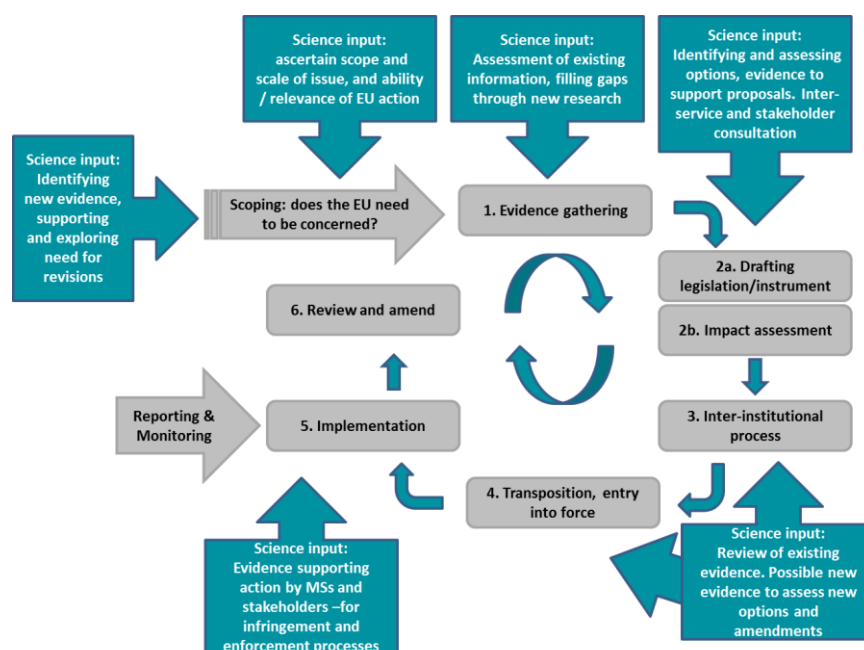


1. INTRODUCTION

Bridging the gap between science and policy and connecting the information production and knowledge generation to its use in the decision making process at different levels, is still considered as one of the main challenges of our era. This issue is even more prominent when dealing with the environment and the complex challenges that the society of the 21st century faces towards addressing emerging issues and sustaining the vitality and integrity of socio-ecological systems. In order to come closer to achieving global sustainability demands, access to evidence-based scientific knowledge which is formatted and communicated in a policy-relevant way to meet decision makers' needs is required (Fazey et al., 2014; Sarkki et al., 2014; Rudd, 2015; Akhtar-Schuster et al., 2016). Multi-directional rather than one-way linear relationships between science and policy should be facilitated, to allow for exchanges, co-evolution and joint construction of knowledge with the aim of enriching both decision-making and research approaches.

In the recent decades of European policy making it has been more and more recognized that bringing science and policy in tune and bridging the gap between the scientific community and society at large with the aim of building an effective and democratic European knowledge-based society is very important. Within the EU there is consensus that the information and knowledge produced through the many research projects supported by EU funds are not sufficiently exploited and/or suitable to address the knowledge needs of the various stages of the policy cycle (Fig. 1). Thus, the European Commission in the last few years has made important efforts to strengthen the policy relevance of the research projects and link the cycle of research funding more closely to policy needs. This is attempted, for instance, through requiring a policy interface component for each FP7 project, as well as by supporting meetings that bring together researchers and policy makers (EC, 2012). Moreover, the Horizon 2020 Research Programme emphasizes, among others, on objectives providing greater policy relevance and a seamless connection between support for enabling and industrial technologies and their applications to societal challenges (EC, 2011).

Figure 1-1: Scientific input to the policy cycle (source: EC, 2012)





Nevertheless, when particular sectoral and especially regional policies are considered in the critical areas of Environment, Water and Sustainable Development, in view of promoting the implementation of efficient, progressive and innovative approaches, the gap between research findings and ongoing policy formulation is still considerable.



2. BACKGROUND AND SCOPE

This document has been developed within the framework of the EU funded SWIM-H2020 SM Project (Sustainable Water Integrated Management and Horizon 2020 Support Mechanism 2016-2019), aiming to contribute to reduced marine pollution and a sustainable use of scarce water resources in the Mediterranean region with emphasis on the countries of North Africa and the Middle East (Algeria, Egypt, Israel, Jordan, Lebanon, Libya, Morocco, Palestine, [Syria] and Tunisia). The project focuses on providing tailored and targeted technical assistance at national level based on partners' requests through an Expert Facility; organizing regional (or sub-regional) peer-to-peer seminars and webinars; conducting on-site training courses and study tours; capitalizing on the lessons learnt, good practices and success stories; supporting the Horizon 2020 Initiative's governance mechanism and the work of the Union for the Mediterranean's Water Experts Group.

This document encompasses the results of the SWIM-H2020 SM desk study aiming to address the need for a strengthened research to policy / practice interface and an enhanced interaction between, on the one hand, the efforts to depollute the Mediterranean and obtain a more efficient integrated management of water resources and the coastal zone in this region and, on the other, important outcomes of the relevant research projects that are funded by the very significant EU research budget/Horizon 2020 Research.

It is true that in the last few years, the EU funded Research calls and projects, including those focusing on environment and water in the Mediterranean region, include a series of provisions for a better association of the design and expected results of the projects with important socioeconomic needs and with existing policies and strategies of the EU and of other key institutional players in the region (e.g. Barcelona Convention, Union for the Mediterranean). Furthermore, some specific projects were financed addressing the interrelations between research and policies in the Mediterranean, such as the MIRA, the MedSpring, the Eranetmed, the 4PRIMA, etc. There is a need to understand to what extent these provisions were useful and effective and examine if and how they could become more meaningful, comprehensive, efficient and better implemented.

In this respect the overarching aim of this desk study and its corresponding findings is to contribute to a better, more functional interaction between research and policy/practice in the region, including a structured and productive synergy between SWIM-H2020 SM and the Horizon 2020 Research Component. More specifically, the results of this study provide:

- Insights on which of the research results could feed policies and practices important for water management and marine pollution reduction in the Mediterranean.
- Important inputs for relevant EC Synthesis Notes to be taken into account on policies related to water and marine issues by the relevant EU policies/decision making mechanisms, services and bodies.
- A better interaction of research and policy that will directly support the Research Component of the H2020 Initiative, but also the work of the EEA, UNEP/MAP and the UfM.



3. METHODOLOGY

Within this study a thorough screening, assessment and analysis of the most important research and innovation results and knowledge outputs from the EU funded Research and Innovation Framework Programmes (FP7 and Horizon H2020/Research) and other relevant sources such as the EU Eco-Innovation programme, the LIFE+ projects, the ENPI-CBC MED projects, the INTERREG MED projects and the IPA Adriatic, was conducted, optimizing the time and resources allocated for the task.

The methodological approach adopted within this study entailed the following steps:

- **Setting the selection criteria for the projects to be reviewed.** Some fifteen different criteria were set and applied (see Tab.3.1.) making sure *inter alia* that there is a reasonable coverage of different types/categories of research projects reviewed with emphasis on projects related to the SWIM-H2020 themes.
- **Pre-screening of research projects.** A template was developed to carry out an initial mapping of all research projects that are relevant to the SWIM-H2020 SM themes. A long list of SWIM-H2020 SM related projects was compiled and based on expert judgment related to their policy relevance a shorter list of projects was prepared.
- **Full mapping of the shortlisted research projects.** The shortlisted projects were fully mapped on the basis of the selection criteria set.
- **Selection of an adequate sample size of research projects and thorough analysis.** A representative sample (a combination/mixed purposeful sampling approach was applied) from the completed research projects mapped - already evaluated by DG Research –was selected. The final selection of the case studies was made using also expert judgment. A thorough scanning of the selected projects was made comparing the initial provisions in the research proposals and the results finally delivered, linking outcomes/outputs with policies. The reported achievements, bottlenecks and tangible results were analyzed and qualitatively assessed.
- **Elaboration of recommendations.** Based on the selected information-rich projects (case studies) and their qualitative analysis and assessment, a set of recommendations were drawn taking into consideration the findings of a series of Mediterranean and European projects which were focused on the science–policy interface.

Table 3—1: Selection criteria applied for the research projects reviewed in order to secure relevance and representativity.

Criterion	Description of considered projects	Criterion value
Funding source/mechanism	Projects funded under different EU sources and mechanisms	<ul style="list-style-type: none">✓ FP7✓ Horizon H2020/Research✓ EU Eco-Innovation programme✓ Life+✓ ENPI-CBC MED✓ INTERREG MED✓ IPA-Adriatic✓ DG REGIO



Criterion	Description of considered projects	Criterion value
Implementation timeframe	Ongoing projects and projects with completion date after 01/01/2013	<ul style="list-style-type: none"> ✓ Ongoing ✓ completed
Geographical coverage	Projects implemented at European Regional Seas level (regional, with emphasis on the Mediterranean) and European sub-basins level (sub-regional e.g. at the Adriatic Sea) but also projects implemented at purely European and national level	<ul style="list-style-type: none"> ✓ Regional ✓ Sub-regional ✓ European ✓ National
Budget size	Projects with varying budget sizes	<ul style="list-style-type: none"> ✓ Small scale (up to 1 million €) ✓ Medium scale (1-5 million €) ✓ Large scale (> than 5 million €)
Number of beneficiary countries	Projects with varying numbers of beneficiary countries	<ul style="list-style-type: none"> ✓ 1 country involved ✓ 2 countries involved ✓ 3-5 countries involved ✓ 6-10 countries involved ✓ ≥ 11 countries involved
Number of consortium members	Projects with varying numbers of consortium members	<ul style="list-style-type: none"> ✓ ≤5 partners involved ✓ 6-10 partners involved ✓ 11-15 partners involved ✓ 15-20 partners involved ✓ ≥ 21 partners involved
Type of consortium members involved	Projects involving varying types of consortium members	<ul style="list-style-type: none"> ✓ Regional or local public authority (e.g. regional council, municipality) ✓ National public authority (e.g. ministry) ✓ Infrastructure and service (private and public) provider (e.g. water supply company, waste collection company) ✓ NGO and CSO ✓ Academia and research institute ✓ Enterprise and other economic operator, except SME ✓ SME ✓ International organization (e.g. UNEP/MAP) ✓ Business support organization (e.g. chambers of commerce) ✓ European institution (e.g. JRC) ✓ Other (please specify)
Cluster of themes	Projects addressing different clusters of themes related to the components of the SWIM-H2020 SM (see also ANNEX I)	<ul style="list-style-type: none"> ✓ H2020 ✓ SWIM ✓ CROSS-CUTTING ✓ HORIZONTAL



Criterion	Description of considered projects	Criterion value
Themes	Projects addressing different themes and fields of research (see also ANNEX I)	<u>H2020</u>
		<ul style="list-style-type: none"> ✓ Industrial Pollution ✓ Solid Waste Management ✓ Hazardous Waste ✓ Marine Litter
		<u>SWIM</u>
		<ul style="list-style-type: none"> ✓ Assessment of Water Resources' Vulnerability and Related Risks ✓ Decentralized Water Management & Growth ✓ Sustainable Options & Interventions ✓ Water Valuation ✓ Ecosystem Approaches in IWRM
Relevance	Projects will be scored according to their level of relevance to the SWIM-H2020 themes.	<u>CROSS-CUTTING</u>
		<ul style="list-style-type: none"> ✓ Environmental Integration ✓ ICZM - IWRM ✓ Regulatory & Legal Frameworks ✓ Urban Wastewater ✓ Water-Energy-Food Nexus ✓ Climate Change ✓ Green Economy
		<u>HORIZONTAL</u>
		<ul style="list-style-type: none"> ✓ Stakeholders' Engagement
Type	Projects with varying research orientations	<ul style="list-style-type: none"> ✓ Towards more 'pure' research ✓ Towards more 'applied' research
End users/beneficiaries	Projects with varying end users and final beneficiaries of the end-results, outputs and deliverables of the project	<ul style="list-style-type: none"> ✓ Regional or local public authority (e.g. regional council, municipality) ✓ National public authority ✓ Infrastructure and (public) service provider (e.g. water supply company, waste collection company) ✓ NGO and CSO ✓ Academic and research community ✓ Enterprise and other economic operator, except SME ✓ SME ✓ International organization ✓ Business support organization (e.g. chambers of commerce) ✓ European institution (e.g. JRC, EEA)



Criterion	Description of considered projects	Criterion value
		<ul style="list-style-type: none"> ✓ Educational community (e.g. formal and non-formal educators, schools) ✓ Communicators and Media ✓ General public ✓ Other (please specify)
Knowledge output types foreseen	Projects with varying knowledge outputs (deliverables) produced	<ul style="list-style-type: none"> ✓ Scientific publication ✓ Assessment report ✓ Layman's report ✓ Policy brief ✓ Guidelines ✓ Toolkit ✓ Protocol ✓ Technical manual ✓ Training activity ✓ E-learning module ✓ Software/modelling tool ✓ Multimedia ✓ Research dataset ✓ Database ✓ Service ✓ Product (technological application, innovative materials, etc.) ✓ Decision support platform/mechanism ✓ Patent and prototype ✓ Other (please specify)
Availability/accessibility of knowledge outputs online	Only projects with accessible knowledge outputs (deliverables) will be selected as part of the representative sample to be analyzed	<ul style="list-style-type: none"> ✓ No ✓ Partially, insignificant/inadequate amount of knowledge outputs available ✓ Partially, significant/adequate amount of knowledge outputs available ✓ Yes
Type of online 'database' where knowledge outputs can be accessed	Characterization of the online 'database' where the knowledge output can be accessed	<ul style="list-style-type: none"> ✓ Public, single point of entry webpage (e.g. project webpage) ✓ Public, centralized webpage with direct access to the knowledge outputs (e.g. the LIFE+ projects database) ✓ Public, centralized web page with no direct access to the knowledge outputs (e.g. http://cordis.europa.eu/projects) ✓ Restricted access (e.g. intranet area, registration required, upon request) ✓ Other (please specify)



4. RESULTS

Based on the fifteen different criteria set (see Tab.4—1.) the databases of the EU funded Research and Innovation Framework Programmes (FP7 and Horizon H2020/Research,) and other relevant sources such as the EU Eco-Innovation Programme, the LIFE+ projects, the ENPI-CBC MED projects, the INTERREG MED projects and the IPA Adriatic projects were screened. A long list of 439 SWIM-H2020 SM related projects was compiled (see Annex II), out of which: 2 were funded by the ENPI-CBC MED Programme, 13 from the Eco-Innovation Programme, 46 from the FP7, 220 from the H2020 Research, 8 from the IPA Adriatic Programme and 159 from the LIFE+ Programme.

Based on expert judgment related to their policy relevance a shorter list of projects was prepared (see Annex III), including 114 projects out of which: 2 were funded by the ENPI-CBC MED Programme, 3 from the Eco-Innovation Programme, 35 from the FP7, 28 from the H2020 Research, 6 from the IPA Adriatic Programme and 40 from the LIFE+ Programme. The majority of projects (63 %) were medium scale (1-5 million €), while one forth (25.5 %) were small scale (up to 1 million €) and the remaining projects were large scale (larger than 5 million €) (11.5 %). Some 40 % and 39 % were European and national projects, respectively; while some 11 % and 10 % were regional and sub-regional, respectively. Some 42 % of the projects were explicitly covering SWIM related themes, 18 % H2020 related themes, 17.5 % cross-cutting themes and some 4% horizontal themes. The remaining 18.5 % of the projects addressed a mixture of H2020, SWIM and cross-cutting themes. The knowledge outputs of the majority of the projects (58 %) were available online, however the outputs of a significant amount of projects (42%) could not be found online. Only for some 16 % of these projects their outputs could be accessed in a centralized project database. 87 out the 114 projects were completed and these made up the pool of projects that was used to select a representative sample of 24 projects for further analysis (case studies).

During the 2018 update, the aforementioned list of the 114 selected projects was revisited and a set of another 8 projects completed in 2018 where added to the pool of the projects yielding a total of 95 completed projects. In addition, 87 new and relevant projects were identified (Annex VI). However these were not considered for further analysis within this document as they have not yet been completed. All 8 additional completed projects were analyzed.

The final selection of the case studies from the enriched pool of completed projects (32 projects) included: 1 ENPI-CBC MED project, 15 FP7 projects, 6 H2020 Research projects, 2 IPA Adriatic projects and 8 LIFE+ projects. The majority of these projects (69 %) were medium scale in terms of budget size, while 5 projects were large scale and 5 projects small scale. 18 projects were implemented at European level (56 %), 6 at regional level, 3 at sub-regional level and 5 at national level. 13 projects addressed SWIM related themes, 7 addressed H2020 related themes, while the remaining 11 addressed cross-cutting or horizontal themes or both. All selected projects were characterized by access to their knowledge outputs. These outputs could be mainly be accessed through the project website. Only for 3 out 32 projects it was possible to access their knowledge outputs directly on a centralized database.



Table 4—1: List of the screened programmes' databases and their respective links.

Programmes	Project database's links
ENPI-CBC MED	https://www.keep.eu/keep/search
EU Eco-Innovation programme	https://ec.europa.eu/environment/eco-innovation/projects/
EU funded Research and Innovation Framework Programmes	https://ec.europa.eu/programmes/horizon2020/en/h2020-sections-projects
INTERREG MED	http://www.programmemed.eu/en/the-projects
IPA Adriatic	https://www.keep.eu/keep/search
LIFE+	http://ec.europa.eu/environment/life/project/Projects/index.cfm

5. SELECTED RESEARCH PROJECTS (CASE STUDIES)

The 32 selected research and innovation projects (case studies), which are of interest for better policy making and practice in ENP South countries and address themes related to SWIM-H2020 SM are briefly presented below (Table 5-1 to 5-34):

Table 5—1: Overview of selected research and innovation projects to serve as case studies.

Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes
H2020 research	BlueSCities	Blueprints for Smart Cities: Developing the methodology for a coordinated approach to the integration of the water and waste sectors within the EIP Smart Cities and Communities	European	Small scale	H2020, SWIM
LIFE+	CITYWATER	Benchmarking water protection in cities	Regional	Medium scale	SWIM
FP7	CLEANSEA	Towards a Clean, Litter-Free European Marine Environment through Scientific Evidence, Innovative Tools and Good Governance	European	Large scale	H2020



FP7	CONSIDER	Civil society organisations in designing research governance	European	Medium scale	HORIZONTAL
IPA-Adriatic	DeFishGear	Derelict Fishing Gear Management System in the Adriatic Region	Sub-regional	Large scale	H2020
FP7	EPI WATER	Evaluating Economic Policy Instruments for Sustainable Water Management in Europe	European	Medium scale	SWIM
FP7	GAP 2	Bridging the gap between science, stakeholders and policy makers Phase 2	European	Large scale	HORIZONTAL
LIFE+	INHABIT	Local hydro-morphology, habitat and RBMPs: new measures to improve ecological quality in South European rivers and lakes	Regional	Medium scale	SWIM
FP7	KNEU	Developing a Knowledge Network for EUropean expertise on biodiversity and ecosystem services to inform policy making economic sectors	European	Medium scale	HORIZONTAL
FP7	KNOSSOS	KNOWledge from Science to SOcieties	European	Medium scale	HORIZONTAL
LIFE+	LIFE SMILE	Strategies for Marine Litter and Environmental prevention of sea pollution in coastal areas	National	Medium scale	H2020
FP7	MEDIATION	Methodology for Effective Decision-making on Impacts and Adaptation	European	Medium scale	CROSS-CUTTING
FP7	NOVIWAM	Novel Integrated Water Management Systems for Southern European Regions	Sub-regional	Medium scale	SWIM
FP7	PERSEUS	Policy-oriented marine Environmental Research in the Southern EUropean Seas	European	Medium scale	H2020, CROSS-CUTTING
H2020 research	ReSpirA	Olive oil wastewater Reuse for the production and commercialisation of Spirulina Alga	National	Small scale	H2020, CROSS-CUTTING
FP7	RECODE	Policy RECommendations for Open Access to Research Data in Europe	European	Medium scale	CROSS-CUTTING, HORIZONTAL



LIFE+		RESTORE	RESTORE - Rivers: Engaging, Supporting and Transferring knOwledge for Restoration in Europe	European	Medium scale	SWIM
FP7		RRI TOOLS	RRI TOOLS, a project to foster Responsible Research and Innovation for society, with society	European	Large scale	HORIZONTAL
FP7		SEAS ERA	Towards integrated European marine research strategy and programmes	European, Sub- regional	Medium scale	CROSS- CUTTING, HORIZONTAL
IPA-Adriatic		SHAPE	Shaping an Holistic Approach to Protect the Adriatic Environment: between coast and sea	Sub-regional	Medium scale	CROSS- CUTTING
FP7		STAGES	Science and technology advancing governance of good environmental status	European	Medium scale	CROSS- CUTTING
FP7		WASSERMed	Water Availability and Security in Southern EuRope and the Mediterranean	Regional	Medium scale	SWIM
LIFE+		WATOP	New tertiary waste water treatment for organic micro-pollutants PPCPs (Pharmaceutical and Personal Care Products).	National	Small scale	SWIM
ENPI Med	CBC	ZERO WASTE PRO	Promoting Zero Waste	Regional	Small scale	H2020
H2020 research		AquaSpace	Ecosystem Approach to making Space for Aquaculture	European	Medium scale	H2020
H2020 research		FREEWAT	FREE and open source software tools for WATER resource management	European	Medium scale	SWIM
H2020 research		INNOVCITIES	Institutional Innovation for Adapting to Climate Change in Water Governance within Cities	European	Small scale	SWIM, CROSS- CUTTING
H2020 research		KINDRA	Knowledge Inventory for hydrogeology research	European	Medium scale	SWIM
LIFE+		LIFE RAMSES	Enhanced Reclaimed wAtter quality through MainStream anaErobic treatment using Supported biomass growth	National	Medium scale	SWIM



LIFE+	LIFE WaterLIFE	Delivery of the Water Framework Directive through collaborative action between civil society and the private sector	Regional	Medium scale	SWIM
LIFE+	MAC EAU	Reducing Consumption of Drinking Water: Implementation and Evaluation of Integrated Measures in Gironde (France)	National	Medium scale	SWIM
FP7	SWITCH-ON	Sharing Water-related Information to Tackle Changes in the Hydrosphere-for Operational Needs	European	Large scale	SWIM

Table 5—2: The H2020 Research BlueSCities project.

Project Title	Blueprints for Smart Cities: Developing the methodology for a coordinated approach to the integration of the water and waste sectors within the EIP Smart Cities and Communities (BlueSCities)
Short description	BlueSCities aimed at developing a methodology for a coordinated approach to the integration of the water and waste sectors within the 'Smart Cities and Communities' EIP. It sought to contribute to the achievements of the 20-20-20 objectives. Placing emphasis on local solutions for global issues, the project sought to improve public engagement and enhance decision-making processes at all political levels based on scientific knowledge and adequate social and economic awareness. BlueSCities built on the hitherto successful implementation of the EIP Water Action Group, CITY BLUEPRINTS, which provided the data required for a practicable planning cycle. The project planned step-by step process, collating data and formulated sufficient recommendations in order to produce an administrative methodology capable of eliminating cross sector barriers between water, waste and Smart City sectors, described in a practical guidance document for the use of all relevant stakeholders.
Funding mechanism	H2020 research
Budget size	Small scale (up to 1 million €)
Geographical coverage	European
Theme addressed	H2020, SWIM: Solid Waste Management, Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions
Website	http://cordis.europa.eu/project/rcn/193904_en.html



Table 5—3: The LIFE+ CITYWATER project.

Project Title	Benchmarking water protection in cities (CITYWATER)
Short description	The CITYWATER project focused on implementing and facilitating environmentally relevant and cost-effective voluntary water protection measures in cities and municipalities in the Baltic Sea Region in order to improve the state of coastal waters. General working procedures were sought to be improved by increasing environmental communication and knowledge in cities and municipalities in the region in order to ensure continuous work for water quality improvement of local waters. Voluntary water protection work was promoted and facilitated using the principles of the Baltic Sea Challenge initiative, with the goal of improving the knowledge and communications on Baltic Sea protection of beneficiaries and stakeholders. The project also aimed at assessing the environmental impact and cost-benefit ratio of different water protection measures and of different activities that cities and municipalities carry out with regards to the Baltic Sea.
Funding mechanism	LIFE+
Budget size	Medium scale (1-5 million €)
Geographical coverage	Regional
Theme addressed	SWIM: Sustainable Options & Interventions, Regulatory & Legal Frameworks
Website	http://www.citywater.fi

Table 5—4: The FP7 CLEANSEA project.

Project Title	Towards a Clean, Litter-Free European Marine Environment through Scientific Evidence, Innovative Tools and Good Governance (CLEANSEA)
Short description	CleanSea is a multidisciplinary and collaborative research project addressing marine litter from different perspectives. It aimed at providing Member States and other stakeholders with improved knowledge, methods and tools to be able to better define, monitor and achieve a marine environment free of harmful litter levels. In doing so, it sought to deliver a transparent and useful guidance to policy makers and stakeholders dealing with marine litter mitigation by: providing comprehensive characterization and analysis of the marine litter problem in the EU's four main marine regions; proposing innovative monitoring tools and standard protocols to facilitate monitoring marine litter in a harmonized way; presenting cost-effective management measures and policy options to meet MSFD and other international objectives regarding marine litter.
Funding mechanism	FP7
Budget size	Medium scale (1-5 million €)
Geographical coverage	European
Theme addressed	H2020: Marine Litter
Website	http://www.cleansea-project.eu



Table 5—5: The FP7 COSNIDER project.

Project Title	Civil Society Organisations in designing research governance (CONSIDER)
Short description	Broader stakeholder engagement in technical and scientific research is desirable for a variety of reasons. Civil Society Organisations (CSOs) can be optimal actors to realise the promise of participative research governance. Despite much activity to stimulate and implement CSO participation in research, there is no agreement on how to evaluate the success of participation. The CONSIDER project explored how CSOs can be involved in research projects. This included a survey of all EU FP7 research projects as well as a number of case studies. The objective was to develop a model of CSO participation that allows for the development of guidelines for policy makers, researchers, CSOs and other stakeholders.
Funding mechanism	FP7
Budget size	Medium scale (1-5 million €)
Geographical coverage	European
Theme addressed	HORIZONTAL: Stakeholders' Engagement
Website	http://www.consider-project.eu

Table 5—6: The IPA Adriatic DeFishGear project.

Project Title	Derelict Fishing Gear Management System in the Adriatic Region (DeFishGear)
Short description	The DeFishGear is an IPA Adriatic funded project aiming to facilitate the efforts of policy makers and stakeholders in effectively dealing with the issue of marine litter in the Adriatic-Ionian macroregion, towards litter free coasts and sea. The main results of the DeFishGear project are: Improved knowledge on the occurrence, amounts, sources and impacts (including socio-economic impacts) of marine litter (including microplastics) in the Adriatic; Harmonized marine litter monitoring activities in the Adriatic region and enhanced collaboration as a building block for future actions; Strengthened & reinforced science-policy interface to support the integration of sound science into policy and decision making in effectively tackling marine litter; Joint, coordinated and/or complementary schemes to manage human activities generating litter in the Adriatic Sea and strengthened implementation of relevant policy frameworks (MSFD, ICZM, ECAP, MSP, etc.)
Funding mechanism	IPA Adriatic
Budget size	Large scale (larger than 5 million €)
Geographical coverage	Sub-regional
Theme addressed	H2020: Marine Litter, Solid Waste Management
Website	www.defishgear.net



Table 5—7: The FP7 EPI WATER project.

Project Title	Evaluating Economic Policy Instruments for Sustainable Water Management in Europe (EPI WATER)
Short description	Using a common multi-dimensional assessment framework, the EPI WATER project aimed at comparing the performance of single economic instruments or their apposite combinations with the performance otherwise achievable with regulatory (command & control) interventions (such as water restriction/rationing, licensing or permitting), persuasive instruments or voluntary commitments. Furthermore the project sought to identify remaining research and methodological issues that need to be addressed, in particular with regards to the further development and use of national accounting, for supporting the design, implementation and evaluation of EPI in the field of water management. The main aims of the EPI-Water project were: to assess the effectiveness and the efficiency of Economic Policy Instruments in achieving water policy goals; and to identify the preconditions under which they complement or perform better than other (e.g. regulatory) policy instruments.
Funding mechanism	FP7
Budget size	Medium scale (1-5 million €)
Geographical coverage	European
Theme addressed	SWIM: Sustainable Options & Interventions
Website	http://www.feem-project.net/epiwater/pages/download-public-deliv.html

Table 5—8: The FP7 GAP2 project.

Project Title	Bridging the gap between science, stakeholders and policy makers Phase 2: Integration of evidence-based knowledge and its application to science and management of fisheries and the marine environment (GAP2)
Short description	Many of Europe's fish stocks are in a poor state, having been over-fished and subjected to management practices resulting in wasteful discarding. Until now, centralised fisheries management has largely focused on the state of fish resources, being based upon formal biological science alone. The aim of the GP2 project was to initiate working collaborations between scientists and fishery stakeholders, starting to combine their knowledge and skills to enhance the understanding and management of fisheries and the marine environment. GAP1 created a bedrock of active participation and mutual learning by establishing 11 case studies of science-fishery stakeholder collaboration, which GAP2 is now building upon.
Funding mechanism	FP7
Budget size	Large scale (larger than 5 million €)
Geographical coverage	European
Theme addressed	HORIZONTAL: Stakeholders' Engagement
Website	http://gap2.eu



Table 5—9: The LIFE+ INHABIT project.

Project Title	Local hydro-morphology, habitat and RBMPs: new measures to improve ecological quality in South European rivers and lakes (INHABIT)
Short description	The INHABIT project aimed at integrating information on local hydromorphological features into practical measures to improve the reliability of implementation of RBMPs in southern Europe. More specifically, the project had the following objectives: To improve RBMPs covering a number of water body types through the introduction of innovative measures that account for hydromorphological and habitat information; To quantify the natural variability in undisturbed conditions of selected hydromorphological, habitat and physico-chemical features; To quantify factors that affect ecological status classification; To put into practice the latest approaches and methods for the collection of WFD-compliant data, classification of ecological status and technical implementation of management plans in the study catchments; To update existing management plans to include measures related to hydro-morphological and habitat condition.
Funding mechanism	LIFE+
Budget size	Medium scale (1-5 million €)
Geographical coverage	Regional
Theme addressed	H2020: Decentralized Water Management & Growth, Assessment of Water Resources' Vulnerability and Related Risks
Website	http://www.life-inhabit.it

Table 5—10: The FP7 KNEU project.

Project Title	Developing a Knowledge Network for EUropean expertise on biodiversity and ecosystem services to inform policy making economic sectors (KNEU)
Short description	In recent years, Europeans have recognised the need for better-informed decision making concerning environmental issues. Yet, most of the needed information is inaccessible, held separately by various experts and organisations, and the way it is provided to decision makers is not tailored to their needs. The KNEU project designed a Network of Knowledge approach (NoK) aiming at better bridging biodiversity knowledge and decision making in Europe. For this purpose the project mapped existing knowledge holders and potential users, identified obstacles to knowledge flow and developed procedures to identify and access expertise ready to answer policy-relevant questions. These procedures were tested in three practical cases: biodiversity conservation, agriculture and biodiversity and a marine biodiversity case.
Funding mechanism	FP7
Budget size	Medium scale (1-5 million €)
Geographical coverage	Regional
Theme addressed	HORIZONTAL: Stakeholders' Engagement
Website	http://www.biodiversityknowledge.eu/project.html



Table 5—11: The FP7 KNOSOS project.

Project Title	KNOWledge from Science to SOcietieS (KNOSOS)
Short description	KNOSOS sought to address the gap between science and society in the field of environmental research with a focus on policy makers and civil society, who are the main recipients of the project. The project took stock of available research results that are useful for policy-making with the aim to add them in a knowledge management system, with innovative tools to guarantee fast and easy access to relevant information. This project also organized collaborative workshops on evidence-based policy making and provided training for policy makers in the field of environmental research. KNOSOS put an emphasis on disseminating research findings beyond Europe: through a number of 'Knowledge Fairs' as side events of international conferences, but also by including DG Research findings in one of the world's largest collections of Environmental Science Research, the OARE.
Funding mechanism	FP7
Budget size	Medium scale (1-5 million €)
Geographical coverage	Regional
Theme addressed	HORIZONTAL: Stakeholders' Engagement, Capacity Building
Website	http://cordis.europa.eu/result/rcn/90534_en.html

Table 5—12: The LIFE+ SMILE project.

Project Title	Strategies for Marine Litter and Environmental prevention of sea pollution in coastal areas (LIFE SMILE)
Short description	The SMILE project aimed at reducing and recovering marine litter in coastal areas through the development of governance processes for implementing an innovative 'catching mechanism' for marine litter in a pilot area. The project actions included: Implementation of an integrated approach to solid waste management including specific activities related to marine litter in waste management strategies; Extension of existing ICZM operations further inland; Standardization and harmonization of related monitoring programmes; Development of governance processes, at local and regional level, for promoting more shared policies and actions in coastal areas; Implementation of a 'catching mechanism' to reduce and prevent the transport of solid wastes from river basins, including a cost/benefit analysis of the system; and Raising the awareness of environmental stewardship amongst sea and coastal users in order to improve the efficacy of existing law and regulations in addressing marine litter problems.
Funding mechanism	LIFE+
Geographical coverage	National
Budget size	Medium scale (1-5 million €)
Theme addressed	Marine Litter
Website	http://life-smile.eu



Table 5—13: The FP7 MEDIATION project.

Project Title	Methodology for Effective Decision-making on Impacts and Adaptation (MEDIATION)
Short description	Across the EU, strategies have been designed to protect and increase the resilience of cities and local communities to climate change. For enhanced regional impact, a European project worked to develop a framework identifying methods and tools that address specific adaptation and relevant actions. The MEDIATION project determined that the development of dynamic adaptation policy needs more easily accessible and policy-relevant information. To this end, researchers first mapped the knowledge requirements related to ongoing impact assessment and adaptation policy developments for various decision domains. This was done in consultation with relevant decision makers and stakeholders. Following, they reviewed, connect, and developed or improved existing methods, tools and metrics.
Funding mechanism	FP7
Geographical coverage	European
Budget size	Medium scale (1-5 million €)
Theme addressed	CROSS-CUTTING: Climate Change
Website	http://www.mediation-project.eu

Table 5—14: The FP7 NOVIWAM project.

Project Title	Novel Integrated Water Management Systems for Southern European Regions (NOVIWAM)
Short description	Water scarcity is a growing problem in the EU, particularly in the Mediterranean region. The Water Framework Directive (WFD) was established to sustainably manage the EU's dwindling water resources, but requires a coordinated effort between research, industry and administration. The NOVIWAM project aimed to create long-lasting links between these three sectors. This cooperation aimed at fostering the integrated water management strategy as laid out in the WFD. A significant part of NOVIWAM focused on analysing the strengths, weaknesses, opportunities and threats (SWOT) of each cluster. During the course of the SWOT analysis, researchers also produced a report on the status of southern European catchment areas.
Funding mechanism	FP7
Geographical coverage	European
Budget size	Medium scale (1-5 million €)
Theme addressed	SWIM: Ecosystem Approaches in IWRM
Website	http://cordis.europa.eu/result/rcn/169594_en.html



Table 5—15: The FP7 PERSEUS project.

Project Title	Policy-oriented marine Environmental Research in the Southern European Seas (PERSEUS)
Short description	The key to solving environmental problems on southern European coasts lies with a research governance framework that engages scientists, policymakers and the public. The PERSEUS project developed such a scheme, which resulted in a shared understanding and science-based decisions in line with the MSFD. Specifically, the project advanced new tools to evaluate current environmental status, and upgraded and extended existing observational systems. An innovative, small research vessel that served as a scientific survey tool was also developed. A comprehensive inventory of ocean observing systems of southern European seas, the Mediterranean Sea and the Black Sea, with quantitative conclusions on observational gaps and needs, was completed. Activities also focused on tools for the evaluation of ecosystem properties across the southern European seas.
Funding mechanism	FP7
Geographical coverage	European
Budget size	Large scale (larger than 5 million €)
Theme addressed	H2020, CROSS-CUTTING: Industrial Pollution, Environmental Integration, Regulatory & Legal Frameworks
Website	www.perseus-net.eu

Table 5—16: The FP7 RECODE project.

Project Title	Policy RECommendations for Open Access to Research Data in Europe (RECODE)
Short description	The RECODE project aimed at leveraging existing networks, communities and projects to address challenges within the open access and data dissemination and preservation sector and produce policy recommendations for open access to research data. The open access to research data sector includes several different networks, initiatives and projects that are fragmented by discipline, geography, stakeholder category as well as other boundaries. Many of these organisations are already addressing key barriers to open access to research data, such as stakeholder fragmentation, technical and infrastructural issues, ethical and legal issues, and state and institutional policy fragmentation.
Funding mechanism	FP7
Geographical coverage	European
Budget size	Medium scale (1-5 million €)
Theme addressed	CROSS-CUTTING, HORIZONTAL: Environmental Integration, Stakeholders' Engagement
Website	http://recodeproject.eu



Table 5—17: The H2020 research ReSpirA project.

Project Title	Olive oil wastewater Reuse for the production and commercialisation of Spirulina Alga (ReSpirA)
Short description	The olive oil industry is an important agro-food sector for the countries of Southern Europe; however, the overall production process generates wastewater with a highly polluting and phytotoxic content. With the ReSpirA project, GreenTech sought to enter the Southern Europe market with an innovative solution for the treatment of the wastewater derived from the olive oil production towards obtaining green marketable products: organic fertilizer and clean water to be reused for agricultural purposes; inorganic nutrients to be further exploited for the cultivation, production and commercialization of the <i>Spirulina microalga</i> , widely used in the food industry. With its environmental benefits, ReSpirA is supporting the well-known European environmental challenges, promoted by the EU Sustainable Development Strategy through the Water Framework Directive and the Nitrates Directive.
Funding mechanism	H2020 Research
Geographical coverage	European
Budget size	Small scale (up to 1 million €)
Theme addressed	H2020, CROSS-CUTTING: Industrial Pollution, Green Economy, Water-Energy-Food Nexus
Website	http://cordis.europa.eu/project/rcn/199227_en.html

Table 5—18: The LIFE+ RESTORE project.

Project Title	Rivers: Engaging, Supporting and Transferring knOwledge for Restoration in Europe (RESTORE)
Short description	The RESTORE project addressed a shortcoming in knowledge transfer in Europe on river restoration activities. The project aimed to develop a network that linked policymakers, river basin planners, practitioners and experts, to share information and good practice on river restoration activities. RESTORE supported river restoration practices across Europe, built additional river restoration network capacity, and promoted effective river restoration knowledge transfer. The project sought to develop tools to promote knowledge transfer, so as to communicate key messages to target audiences. The ultimate objective was that the project's database tools provide improved knowledge, which in turn supports more and better river restoration activity.
Funding mechanism	LIFE+
Budget size	Medium scale (1-5 million €)
Geographical coverage	European
Theme addressed	SWIM: Decentralized Water Management & Growth, Ecosystem Approaches in IWRM
Website	https://restorerivers.eu



Table 5—19: The FP7 RRI TOOLS project.

Project Title	RRI TOOLS, a project to foster Responsible Research and Innovation for society, with society (RRI TOOLS)
Short description	Bridging the gap between Science and Society has been a challenge for decades. This project aimed to develop and use a Training and Dissemination Toolkit on Responsible Research and Innovation (RRI). It was addressed and designed by all the stakeholders of the Research and Innovation (RI) chain of value, including Researchers, Civil Society, Industry and Education but will specially focus on Policy Makers in order to impact significantly in the future governance of RI. The RRI Toolkit was envisaged to be an innovative and creative set of tools comprising practical digital resources and actions aimed at raising awareness, training, disseminating and implementing RRI. The RRI Hubs carried out trainings on the use of the toolkit throughout Europe.
Funding mechanism	FP7
Budget size	Large scale (larger than 5 million €)
Geographical coverage	European
Theme addressed	HORIZONTAL: Stakeholders' Engagement
Website	www.rri-tools.eu

Table 5—20: The FP7 SEAS ERA project.

Project Title	Towards integrated European marine research strategy and programmes (SEAS ERA)
Short description	SEAS-ERA aims at embracing marine and maritime research in its entirety, overarching the previous initiatives which only targeted a given area or basin and, therefore, constituting a stable and durable structure for empowering and strengthening marine research all across Europe. It focused on: improving co-operation and co-ordination and promoting harmonisation of national/regional research programmes to strengthen them, bridging possible gaps and avoiding duplications; fostering synergies at regional and pan-European level, mobilising competitive and non-competitive funds for research in a more coordinated way, through common programs and joint calls; proposing a plan for a better and sustainable use of the existing Marine Research Infrastructures, developing a coherent vision, in line with the actions undertaken within the Capacity Programme; enhancing awareness towards marine/maritime scientific and policy issues in Europe.
Funding mechanism	FP7
Budget size	Medium scale (1-5 million €)
Geographical coverage	European
Theme addressed	CROSS-CUTTING, HORIZONTAL: Environmental Integration, Stakeholders' Engagement
Website	http://www.seas-era.eu



Table 5—21: The IPA Adriatic SHAPE project.

Project Title	Shaping an Holistic Approach to Protect the Adriatic Environment: between coast and sea (SHAPE)
Short description	SHAPE was a comprehensive project for the Adriatic Region aiming to create the basis for the protection and sustainable development of the coastal-marine environment. The strategic objective was the development of a multilevel and cross-sector governance system, based on an holistic approach and aiming to the integrated management of the natural resources, risk's prevention and the resolution of conflicts among uses and users. Coast and sea are strategic for the well-being and prosperity of the Adriatic countries: a big value, both economic and ecological, as trade routes, climatic regulators, food and energy source, sites for residence and recreation. On the other hand, coastal and marine areas are subject to growing pressures, as human activities (fishing, aquaculture, shipping and marinas, energy, harbours facilities, tourism) tend to develop together coming into conflict with each other and with protection needs of habitats and landscapes.
Funding mechanism	IPA-Adriatic
Budget size	Medium scale (1-5 million €)
Geographical coverage	Sub-regional
Theme addressed	CROSS-CUTTING: Regulatory & Legal Frameworks
Website	http://www.shape-ipaproject.eu

Table 5—22: The FP7 STAGES project.

Project Title	Science and technology advancing governance of good environmental status (STAGES)
Short description	The FP7 STAGES project aimed to improve the scientific knowledge base to support the implementation of the MSFD. The STAGES project sought to bridge the science-policy gap and improve the current scientific knowledge base to allow Member States to achieve a Good Environmental Status (GES) in marine waters. STAGES focused on: identifying, extracting and synthesizing the knowledge generated through EU and national research funded activities relating to the MSFD, and making this information widely accessible to policy makers and MSFD stakeholders; establishing where further research needs to be conducted to improve the scientific knowledge underpinning implementation of the MSFD; providing pragmatic and ready-to-use recommendations to establish an effective European science-policy platform to support GES research and implementation of the MSFD.
Funding mechanism	FP7
Budget size	Medium scale (1-5 million €)
Geographical coverage	European
Theme addressed	CROSS-CUTTING: Regulatory & Legal Frameworks
Website	http://www.stagesproject.eu



Table 5—23: The FP7 WASSERMed project.

Project Title	Water Availability and Security in Southern EuRoPe and the Mediterranean (WASSERMed)
Short description	The project used a series of case studies to investigate the societal effects caused by climate change and the allocation of scarce water supplies. The case studies were conducted with the involvement of local communities and stakeholders. They reflected a variety of conditions facing the Mediterranean, for both European and partner countries. Project partners examined changes to average rainfall and frequency, including extreme rain events, runoff water and groundwater levels. Potential conflicts on water usage, such as between tourists and local residents, were also studied. The aim of WASSERMed was to develop strategies, technological solutions and management practices for mitigating the negative impacts of climate change. Project results contributed to improvements in existing climate change and hydrology models. WASSERMed therefore improved understanding of the effects of climate change and the adoption of better policies.
Funding mechanism	FP7
Budget size	Medium scale (1-5 million €)
Geographical coverage	Regional
Theme addressed	SWIM: Assessment of Water Resources' Vulnerability and Related Risks, Climate Change
Website	http://wassermed.cmcc.it

Table 5—24: The LIFE+ WATOP project.

Project Title	New tertiary waste water treatment for organic micro-pollutants PPCPs (Pharmaceutical and Personal Care Products)
Short description	The main goal of the WATOP project is to develop a semi-industrial pilot plant to demonstrate a new purification system for remove PPCPs from wastewater. The project aims to show that a membrane filled with innovative nano-resins of cross-linked cadmium and sodium polyacrylate will remove PPCPs and other pollutants from water in a highly effective and efficient way. The project has set a target of 82-94% removal of PPCPs from wastewater in the pilot treatment process. It also hopes to develop the regeneration capability of the membrane - by means of mild thermal treatment (lower than 120°C) and by washing with a solution of methanol – and to reduce or even eliminate clogging problems on the membrane
Funding mechanism	LIFE+
Budget size	Small scale (up to 1 million €)
Geographical coverage	National
theme addressed	SWIM: Sustainable Options & Interventions
Website	http://www.watop-life.eu



Table 5—25: The FP7 WASSERMed project.

Project Title	Water Availability and Security in Southern EuRoPe and the Mediterranean (WASSERMed)
Short description	The project used a series of case studies to investigate the societal effects caused by climate change and the allocation of scarce water supplies. The case studies were conducted with the involvement of local communities and stakeholders. They reflected a variety of conditions facing the Mediterranean, for both European and partner countries. Project partners examined changes to average rainfall and frequency, including extreme rain events, runoff water and groundwater levels. Potential conflicts on water usage, such as between tourists and local residents, were also studied. The aim of WASSERMed was to develop strategies, technological solutions and management practices for mitigating the negative impacts of climate change. Project results contributed to improvements in existing climate change and hydrology models. WASSERMed therefore improved understanding of the effects of climate change and the adoption of better policies. These policies will help mitigate the potential threats to socioeconomic development and environmental sustainability in vulnerable areas around the Mediterranean.
Funding mechanism	FP7
Budget size	Medium scale (1-5 million €)
Geographical coverage	Regional
Theme addressed	SWIM, CROSS-CUTTING: Assessment of Water Resources' Vulnerability and Related Risks, Climate Change
Website	http://wassermed.cmcc.it

Table 5—26: The ENPI CBC Med ZERO WASTE PRO project.

Project Title	Promoting Zero Waste (ZERO WASTE PRO)
Short description	The Zerowaste Pro aims to capitalize the results and outputs along with the know-how and expertise acquired in the Med and other EU projects implemented by the partnership with the aim of promoting sustainable low-cost waste management strategies in the MED region and IPA countries with an emphasis on waste prevention, reuse, recycling and composting and to establish synergies between the participating countries and their relative stakeholders so as to integrate the highest level of cooperation and integration. The focus on low cost-sustainable waste management options is of particular importance in this time of economic recession.
Funding mechanism	ENPI CBC Med
Geographical coverage	Regional
Budget size	Small scale (up to 1 million €)
Theme addressed	H2020: Solid Waste Management
Website	http://www.zerowastepro.eu



Table 5—27: The H2020 Research AquaSpace project.

Project Title	AquaSpace
Short description	The objective of AquaSpace was to provide increased space of high water quality for aquaculture by adopting the Ecosystem Approach to Aquaculture and Marine Spatial Planning. In this regard, it developed a regional review of policy management issues in marine and freshwater aquaculture which analyzed the gaps and the challenges of the related policies and management practices, a document that can be used by the policy makers. The project also developed tools that can help filling the current gap: to assess marine and freshwater environmental characteristics in order to identify areas where aquaculture can thrive. The project's several tailored tools were used in the case studies and the results of each case study were presented to scientists, farmers, regulators and national authorities during national workshops.
Funding mechanism	H2020 Research
Geographical coverage	Medium scale (1-5 million €)
Budget size	European
Theme addressed	H2020: Assessment of Water Resources' Vulnerability and Related Risks, Ecosystem Approaches in IWRM
Website	http://www.aquaspace-h2020.eu

Table 5—28: The H2020 Research AquaSpace project.

Project Title	FREE and open source software tools for WATER resource management (FREEWAT)
Short description	FREEWAT aims at promoting water management and planning by simplifying the application of the Water Framework Directive and other EU water related Directives. FREEWAT is an open source and public domain GIS integrated modelling environment for the simulation of water quantity and quality in surface water and groundwater. Its specific objectives are: to coordinate previous EU and national funded research to integrate existing software modules for water management in a single environment into the GIS based FREEWAT; to support the FREEWAT application in an innovative participatory approach gathering technical staff and relevant stakeholders in designing scenarios for the proper application of water policies. FREEWAT main impact was on enhancing science- and participatory approach and evidence-based decision making in water resource management, hence producing relevant and appropriate outcomes for policy implementation.
Funding mechanism	H2020 Research
Geographical coverage	Medium scale (1-5 million €)
Budget size	European
Theme addressed	SWIM: Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions
Website	http://www.freewat.eu



Table 5—29: The H2020 Research Innovcities project.

Project Title	FREE and open source software tools for WATER resource management (FREEWAT)
Short description	The central goal of the Innovcities project is to provide research and policy recommendations for municipalities, city networks, and other relevant actors at the city scale on how to enable institutional innovation in water governance in cities and to address the problem of the currently insufficient level of institutional innovation in water governance systems in the context of climate change. The project identified the Institutional innovation as policy change, new organizational setups, and/or new inter-organizational arrangements. The project successfully published the results of the global surveys from 96 countries which included some policy related recommendations.
Funding mechanism	H2020 Research
Geographical coverage	Small scale (up to 1 million €)
Budget size	Regional
Theme addressed	SWIM-Cross cutting: Decentralized Water Management & Growth, Regulatory & Legal Frameworks, Climate Change
Website	http://www.innovcities.net

Table 5—30: The H2020 Research KINDRA project.

Project Title	Knowledge Inventory for hydrogeology research (KINDRA)
Short description	Practical and scientific knowledge related to hydrogeology research and innovation are scattered amongst various actors in Europe. The overall objective of KINDRA is to create an inventory of this knowledge-base and then use the inventory to identify critical research challenges in line with the implementation of the WFD and new innovation areas within integrated water resources management based on the latest research. The project produced a report on groundwater related issues relevant for the implementation of the WFD and GWD. It also performed a gap analysis. The methodology included also existing recommendations and position papers on groundwater related research requirements on the same issues, recommendations by the EIP on Water/WssTP for the identification of research gaps taking into account the implementation of the Water Framework Directive (WFD) and the identified research gaps have been converted into specific recommendations for the further development of policies and (EU-level) research programmes.
Funding mechanism	H2020 Research
Geographical coverage	Medium scale (1-5 million €)
Budget size	European
Theme addressed	SWIM: Sustainable Options & Interventions
Website	http://kindraproject.eu



Table 5—31: The LIFE+ RAMSES project.

Project Title	Enhanced Reclaimed wAter quality through MainStream anaErobic treatment using Supported biomass growth (LIFE RAMSES)
Short description	LIFE RAMSES aims to demonstrate a water treatment process that enhances the quality of reclaimed water, thus enabling it to be re-used for irrigation and agricultural purposes. The proposed process consists of an anaerobic digestion phase using supported biomass growth followed by biological treatment. The final WWTP solution was: anaerobic reactor with plastic filling coupled with a co-digestion. Current situation in WWTP: 90% is poured to the channels. A communication plan was published on the website. It has a section on the communication with the policy makers. The plan includes a detailed list of events to attend for lobbying purposes. It also includes tools such as press releases, leaflets and layman's report. However, no details were published on the project's website.
Funding mechanism	LIFE+
Geographical coverage	Medium scale (1-5 million €)
Budget size	National
Theme addressed	SWIM: Sustainable Options & Interventions
Website	http://www.life-ramses.com

Table 5—32: The LIFE+ MAC EAU project.

Project Title	Reducing Consumption of Drinking Water: Implementation and Evaluation of Integrated Measures in Gironde (France) (MAC EAU)
Short description	The MAC EAU project's main objective is to preserve groundwater resources by reducing pumping in the most important aquifer. It aims to distribute water-saving equipment kits to households and public buildings and to gain a better understanding of the rationale for consumption by studying the impact this equipment has on consumption. The project aims to inform and involve stakeholders, households and local authorities, and encourage them to change consumption behavior, thus preserving resources. The project achieved its aims through a set of actions: distribution of a water saving kit, installation of rainwater tanks, awareness raising material and other actions.
Funding mechanism	LIFE+
Geographical coverage	Medium scale (1-5 million €)
Budget size	National
Theme addressed	SWIM: Sustainable Options & Interventions
Website	www.jeconomiseleau.org



Table 5—33: The FP7 SWITCH-ON project.

Project Title	Sharing Water-related Information to Tackle Changes in the Hydrosphere-for Operational Needs (SWITCH-ON)
Short description	SWITCH-ON is a project using Open Data as a vehicle for innovations, with the aim to use water resources in a sustainable way for a safe society and to advance hydrological sciences. Bridges are built between policy makers, water managers, information producers and scientists. The project has a Web Portal, including dedicated search tools for water-related open data. There is an open Virtual Product Market with 14 running softwares producing information for efficient water management and policy. A Virtual Water-Science Laboratory where scientists can collaborate on computational experiments was initiated. The project produced four policy briefs to disseminate the findings and outputs of the project to a wide audience. The aim of these policy briefs was to translate the technical and scientific outputs of the project into policy-relevant documents targeted at policy stakeholders, government officials, and decision makers at different levels.
Funding mechanism	FP7
Geographical coverage	Large scale (larger than 5 million €)
Budget size	European
Theme addressed	SWIM: Decentralized Water Management & Growth
Website	http://www.water-switch-on.eu

Table 5—34: The LIFE+ WaterLife project.

Project Title	Delivery of the Water Framework Directive through collaborative action between civil society and the private sector (WaterLife)
Short description	The long-term goal of the WaterLIFE project is to contribute to the delivery of the WFD across the EU, by helping to restore rivers to good ecological status. Its aim is to move all surface water bodies within demonstration catchments to GES faster than predicted by the 2009 RBMP. The project is designed to offer timely support to governments in the development of the second cycle of the RBMP, and to demonstrate that there are civil society and private sector-led mechanisms that can work if supported by an adequate policy framework. WWF's ambition is that the 2015 RBMP contains measures sufficient to get 50% of rivers to GES under the WFD by 2021.
Funding mechanism	LIFE+
Geographical coverage	Medium scale (1-5 million €)
Budget size	Regional
Theme addressed	SWIM: Decentralized Water Management & Growth
Website	http://waterlife.org.uk



6. SELECTED RESEARCH PROJECTS (CASE STUDIES)

The study's recommendations are based on the insights gained by:

- a) the analysis of 32 selected research projects (case studies). The 24 projects were analyzed within 2017 and another set of 8 projects was analysed within 2018 (update);
- b) the consolidation of knowledge gained from the outcomes of a series of Mediterranean and European projects (see Tab. 8.1) that are focused on deepening the understanding of the shortcomings of the science–policy interactions;
- c) the accumulated experience of the authors from their involvement in projects attempting to translate research results into policy relevant knowledge and others directly implemented on the science-policy interface.

The main recommendations* drawn by this exercise for improved interactions of research and policy primarily with relevance to the SWIM-Horizon 2020 SM, that could directly support the Research Component of the H2020 Initiative, but also the work of the EEA, UNEP/MAP and the UfM are the following:

The main **recommendations** drawn by this exercise are the following:

Improving the calls, design and implementation of EU science-policy projects

- When designing research projects aiming to feed into policy processes, it is important to apply a balanced multi-disciplinary approach involving researchers from the humanities (e.g. sociology, etc.) to natural sciences, technical and applied ones. In addition, the criteria for the selection of a project should incorporate **provisions for inclusion within the consortia members, of partners with demonstrated policy oriented expertise and skills** e.g. for the 'translation' and integration of knowledge into policies and for active promotion, application and monitoring of these policies. These policy competent actors can be, for example, Civil Society Organisations and Non-Governmental Organisations, including unions, who have within their regular agendas, mandates and practices, the task of strengthening the science-policy interface. Such actors help to frame and address the broader policy context of the project. They are often well-equipped to assist in (i) identifying the issues that scientists should consider; (ii) putting into context and effectively communicating any new evidence/knowledge into the policy formulating processes of communities.
- **Good project coordination needs combined competencies** on (i) the environmental domain addressed by the project, (ii) the strategic policy context and (iii) the management of projects. The in-depth assessment of the profile of the coordinating institution is therefore crucial and should also take into account the personal qualities of the proposed project Coordinator.
- In order to effectively transfer project outputs in a policy relevant way, calls for proposals should make clear the requirement for a **policy outreach strategy**. Such a strategy serves as a valuable reference document for all partners to understand the principles and tools of providing timely and meaningful advice to policy and decision makers. It should include guidelines on how to communicate the project methodologies, findings and knowledge outputs by providing clear and balanced information on the environmental issue at stake. The policy

* The findings of the 2018 update were similar to those of the 2017 exercise and thus they didn't affect the recommendations drawn.



outreach strategy should **clearly define the target audience** and the **tailor-made tools to address them**.

- All policy relevant knowledge outputs of the project should concisely **describe the process through which the knowledge outputs were developed** in order to support their proper interpretation and the transparency and credibility of their formulation.
- Multidisciplinary partnerships usually require considerable time before they evolve into a unified taskforce sharing the same vision and aspirations. In this respect **the duration of strategic projects with actions on the science-policy interface should be adequate**. Ideally, five-year projects should be foreseen.
- Given that most strategic and policy relevant projects inevitably develop their policy recommendations towards their end, **adequate time and resources for the dissemination of the policy related project results** should be foreseen by dedicating the needed time for the policy outreach related component of the project.
- In an effort to strengthen the science-policy interface at project level, research projects are increasingly required to set up a project governance scheme (e.g. in the form of a Steering Committee or an Advisory Board, etc.) that includes actors involved in policy formulation. Meaningful interactions that go beyond the standard administrative matters of the project, for example in the form of **dedicated short science-policy sessions, should be designed and foreseen within the project governance meetings**, in order to facilitate the early and direct involvement of the policy actors in truly steering the project activities and providing strategic policy guidance.
- All projects deliver a synthesis report at the end of their lifespan and in some cases a final publishable summary report. Science-policy projects should also submit a short **summary report reflecting on the policy relevance and impact of the project achievements**. This increases the chances for policy-makers to learn and capitalize on the policy relevant results of the project.
- Project managers within the EU institutions (or other monitoring mechanisms in place) should have **adequate knowledge and know how to oversee not only the operational delivery of the project outputs but also to objectively and critically review their quality**, particularly when it comes to the relevance and contribution of the outputs to policy and decision making.
- Similarly to the 'Communication and Visibility Manual for EU External Actions', an **EC manual should be produced to set out the requirements and guidelines for designing and implementing successful science-policy interactions within EU research projects**. This manual should cover all issues related to the science-policy interface and provide guidance on how to develop policy briefs and other policy relevant materials, organize conferences and other events targeted to policy and decision makers, tips on how to showcase project actions and results in a way that increases the potential of their uptake, design genuinely participatory science-policy-society interactions so that new knowledge is developed ('co-creation'), etc.

Enhancing access to outputs and results of science-policy projects

- Each EU-funded project normally has its own website. Measures should be in place to ensure that they are up-to-date, attractive and user-friendly for policy and decision makers.
- Beyond project websites, policy and decision makers need to be able to access policy relevant knowledge outputs produced by science-policy projects through **centralized user-friendly and up-to-date web-based databases** that systematically collect and upload main project outputs and findings. This is important for the overall sustainability of the impacts of such projects.
- The key barriers that decision and policy makers face in accessing information are: information overload vs the time available for finding what they need, and information not sufficiently accentuated or 'flagged' or even clear. In response to this, the aforementioned centralized



databases should have **webpage modules or smart add-ons** to facilitate quick and easy access to well-articulated and highlighted outputs.

- It should be obligatory for the science-policy projects to **share their data**, either in existing EU data-sharing platforms or in publications of peer reviewed journals **within a realistic but tight timeframe of the project** (e.g. maximum one year after its completion).

Making the science-policy interface more ‘fit-for-purpose’

- One of the top challenges on the science-policy interface is the growing volume, complexity and speed of data generation, due to advances in sequencing and computing technologies. Processing this data and transforming it into meaningful information requires sophisticated data analysis tools. EU data sharing platforms (e.g. the EEA/Eionet) have been designed specifically for processing data and converting it into comprehensive, fit-for-purpose information to feed into the various stages of the policy cycle. Therefore, **science-policy projects should be required to share their data through these platforms.**
- Research calls for tenders and projects need to well reflect policy needs. This could be facilitated by (a) setting up **a scheme for frequent, regular mapping of research needs** to feed research call programming; (b) enhancing the **exchanges of relevant institutions**, e.g. of the Directorates General of the European Commission to better streamline policy needs within the research calls and better inform policy formulation with research and innovation results.
- **New mechanisms for dialogue** have be developed to allow research projects and policy actors to interact more, be more aware of the strategic policy contexts of projects, and jointly identify ways in which evidence and research outcomes can be incorporated into the management process[†]. Existing structures could host such **‘hubs’ for science and policy** where scientific networks and policy makers would be brought together to ensure that information and knowledge flows in both directions.

More effective data gathering, management and sharing

- In order to ensure that data produced by research projects is comparable, accessible and ‘fit-for-purpose’, **overarching guidelines should be developed on data gathering, data management and data sharing. Such guidelines must be aligned with those already used by EC agencies** (e.g. the EEA, Eurostat, JRC, Eionet, etc.), key EU and international initiatives (e.g. SEIS, INSPIRE, Eye on Earth, etc.), common standards, rules and conditions for data and metadata generated. The ownership and timing of publicly sharing the data should be well defined so that data produced within the framework of EU funded research projects is immediately accessible for EU policy purposes.
- Nowadays, it seems that every science-policy project is developing a Geographical Information System (GIS) to make its data available. The result is a large number of GISs that are incompatible and cannot be interconnected or integrated. There should be **instructions within the call for proposals for existing relevant GIS databases (e.g. EMODNet) to be used by the projects for sharing their produced data** rather than develop new ones.

Enhancing science to policy communication

- In several science-policy projects, capacity building activities targeting policy and decision makers are foreseen. It would however be of added value for calls to encourage provisions in project design for **building the capacity of the partners to communicate research results in a policy-relevant way.**

[†] An example is the Multi-stakeholder platform on the implementation of the Sustainable Development Goals in the EU

**Greater recognition of science for policy**

- Policy related communication and interaction with policy actors are often seen by scientists as an additional 'burden' and therefore the related activities are not carried out 'properly'. Furthermore, while it is widely accepted that scientists should be actively involved in policy interaction, the traditional assessment tools used to evaluate the work of scientists do not take this role into account. Addressing the above mentioned facts may entail institutional reforms to officially **recognize the value of science-policy interactions through alternative career opportunities and providing more incentives to take part in the science-policy interface.**

Table 6—1: Mediterranean and European projects explicitly focused on deepening the understanding of the interactions on the science–policy interface.

Funding mechanism	Acronym	Full title	Brief description as given by projects themselves
FP7	MIRA	Mediterranean Innovation and Research Coordination Action	MIRA aimed at developing a scientific and technological partnership between the European Union (EU) and the Mediterranean Partner Countries (MPC), by using dialogue platforms, identifying topics of common scientific interest, promoting the creation of an Observatory of EU-MPC scientific cooperation, and promoting the development of the Euro-Mediterranean Innovation Space and other joint initiatives with a research component such as the Horizon2020 Program of de-contamination of the Mediterranean. More info at: http://www.miraproject.eu
FP7	MedSpring	Mediterranean Science, Policy, Research & Innovation Gateway	MedSpring sought to build upon the experience of the MIRA project and focused on three societal challenges (Energy, High Quality Affordable Food, and Scarcity of resources) with the overall aim at tackling policy objectives by creating a dialogue and coordination platform of governmental institutions, research organisations, associations and civil society. MedSpring aimed at strengthening capacities in research and innovation cooperation through the improvement of knowledge and skills required to promote innovation. More info at: http://medspring.eu
FP7	ERANETMED	Euro-Mediterranean Cooperation Through ERANET Joint Activities and Beyond	ERANETMED aims to enhance Euro-Mediterranean co-ownership through innovation and competitive research in the societal challenges of the region. The project aims at reducing fragmentation of programming in the Mediterranean region by increasing coordination among national research programmes of European Member States, Associated Countries and Mediterranean Partner Countries. Among its expected results is the achievement of coherence among research, policy and funding instruments to contribute to regional societal challenges, to have a real impact on the society and to establish synergies with other programmes and instruments. More info at: www.eranetmed.eu



Funding mechanism	Acronym	Full title	Brief description as given by projects themselves
FP7	4PRIMA	Partnership for Research and Innovation in the Mediterranean Area	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. More info at: www.prima4med.org
FP7	MEDOANET	Mediterranean Open Access Network	MEDOANET focused on national and regional coordination of Open Access strategies, policies and structures in six Mediterranean countries –Greece, Italy, France, Spain, Portugal and Turkey. MEDOANET identified and mapped existing strategies, structures and policies of the six countries into an online ‘Mediterranean Open Access Tracker’, and it identified and engaged policy makers and other stakeholders with the aim to affect change in policies, in a top-down approach. Actions aimed at increasing awareness of key issues at the policy level, fostering the conditions for coordinated policies at national and institutional levels that are currently largely lacking in aforementioned Mediterranean countries. More info at: www.medoanet.eu
FP7	MEDPRO	Prospective Analysis for the Mediterranean Region	The aim of MEDPRO is to contribute to the reform process in the political, economic and social agendas by broadening the level of knowledge on the interplay between the diverse set of challenges and providing deep insights into the prospected policy options and their outcomes. MEDPRO aims to deliver the scientific underpinning for future policy decisions both domestically and at EU level within the framework of the Union for the Mediterranean (UfM), successor of the Barcelona Process, as well as the European Neighbourhood Policy (ENP) Programme. More info at: http://www.medpro-foresight.eu
FP7	SPIRAL	Science-policy interfaces for biodiversity: Research, action and learning	The overall aim of SPIRAL is to enhance the connectivity between biodiversity research and policy making in order to improve the conservation and sustainable use of biodiversity. In order to achieve this objective the SPIRAL project focuses on: stocktaking and assessment of existing science-policy interfaces for biodiversity governance; factors constraining and facilitating communication on the role of biodiversity in underpinning livelihoods and ecosystem services; mechanisms for encouraging behaviour that reduce negative human impacts on biodiversity; designing and testing science-policy interfaces for biodiversity governance. More info at: http://www.spiral-project.eu
H2020 Research	COLUMBUS	Monitoring, Managing and Transferring Marine and Maritime Knowledge for Sustainable Blue	The COLUMBUS project intends to capitalise on the European Commission’s significant investment in marine and maritime research by ensuring accessibility and uptake of research Knowledge Outputs by end-users: policy, industry, science and wider society. COLUMBUS will ensure measurable value creation from research investments contributing



Funding mechanism	Acronym	Full title	Brief description as given by projects themselves
		Growth	to sustainable Blue Growth within the timeframe of the project. More info at: www.columbusproject.eu
FP7	STEP-WISE	Science, Technology and Policy interfacing using WISE-RTD	The overall objective of the STEP-WISE project was to improve the dissemination/ communication between policy, research and industry. The specific objectives of the STEP-WISE Project were to: screen environmental water related policies (EU Directives) for tasks that (may) link to RTD projects and results; collect information on EU research projects and their results that are relevant for the implementation of these water related policies (Scientific Support to Policy, SSP); update the current world wide web based WISE-RTD Knowledge Portal system to accommodate these policies and research results; provide a detailed recommendation towards a better uptake of Framework Programme environmental RTD results with tangible impact on economic growth and social welfare ('gap analysis'). More info at: http://cordis.europa.eu/result/rcn/56936_en.html
FP7	PSI-CONNECT	Policy science interactions: Connecting science and policy through innovative knowledge brokering	The PSI-CONNECT through development of and subsequently experimentation with innovative knowledge brokering instruments aimed to improve the quality and value of interactions between the science base and river basin managers and policy makers in the field of water management and climate change impacts on river systems. PSI-CONNECT focused on generating insight into how the science policy gap could be bridged in the context of water management and climate change; developing and testing different types of knowledge brokering instruments in concrete policy situations at the European, national and regional level; providing descriptions of different types of knowledge brokering instruments and conditions for their successful application; introducing different science and policy actors to knowledge brokering instruments through case studies. More info at: http://cordis.europa.eu/result/rcn/54359_en.html
FP7	STREAM		STREAM aimed at tackling the issue of water research awareness gap by bringing water technologies to the interest of those that seek implementation. The main objectives were: to review the main research and technology development on water management, focusing on the results of projects under the FP6 and FP7 programmes, but also of other European programmes; to disseminate the state of the art on researches and technological developments on water management targeting information to the main stakeholders.
FP7	AWARE	How to achieve sustainable water ecosystems management connecting	The AWARE project focused on the issue of the anthropogenic deterioration of water ecosystems, in particular in coastal areas. The approach proposed by the AWARE project to enhance connectivity between research and policy-making exploits the concept of



Funding mechanism	Acronym	Full title	Brief description as given by projects themselves
		research, people and policy makers in Europe	integrated adaptive ecosystem management, engaging scientists, policy makers and the public (the latter including both stakeholders and lay citizens/water users) into comparable case studies of participatory scenario-building. More info at: http://cordis.europa.eu/project/rcn/91247_en.html
FP7	WaterDiss2.0	Dissemination and uptake of FP water research results	The project justification is that the implementation of the Water Framework Directive is not a “Business-as-usual approach”, and needs new knowledge and know-how, but it is demonstrated that the actual connection between research and policy needed is not efficient. The concept of the project was to add an intermediate step after research, like a marketing team in the industry. The project collected information on about 60 water-related FP6/FP7 research projects outputs, analysed their potential future in close collaboration with the research teams, designed for each of them an Individualised Dissemination Strategy, and then supported their transfer to the targeted stakeholders, with the support of Web 2.0 features, together with events designed for specific audiences. More info at: http://www.waterdiss.eu



REFERENCES

- Akhtar-Schuster et al., 2016. Designing a new science-policy communication mechanism for the UN Convention to Combat Desertification. *Environmental Science & Policy*, 63, 122–131.
- AWARE project, 2011. Bridging the Science-Policy Gap: Best Practices in Citizens' Participation. 26 pages.
- COLUMBUS project, 2016. Report on knowledge gaps and needs in different focus areas, Deliverable 3.1. 83 pages.
- EC, 2011. Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions. Horizon 2020 - The Framework Programme for Research and Innovation. Brussels, 30.11.2011 COM(2011) 808 final.
- EC, 2012. Assessing and Strengthening the Science and EU Environment Policy Interface. Technical Report - 2012 – 059, European Communities, 2012.
- ERANETMED project, 2013. Mapping and Stocktaking Report. ERANETMED/CNRS-F/WP2/D2.4/V2.
- Fazey, I., Bunse, L., Msika, J., Pinke, M., Preedy, K., Evely, A.C., Lambert, E., Hastings, E., Morris, S., Reed, M.S., 2014. Evaluating knowledge exchange in interdisciplinary and multi-stakeholder research. *Glob. Environ. Chang.* 25, 204–220.
- Magnuszewski, P., Sodomkova, K., Slob, A., Muro, M., Sendzimir, J., Pahl-Wostl, C., 2010. Report on conceptual framework for science-policy barriers and bridges. Final version 22.12.2010 of deliverable No. 1.1 of the EC FP7 project PSI-connect. EC contract No. 226915. July 2010, Delft, the Netherlands.
- MedOANet project, 2013. MedOANet Guidelines for implementing open access policies. For research performing and research funding organizations, 33 pages.
- MedSpring project, 2013. White paper for Euro-Med Cooperation in Science-Technology-Innovation.
- Morini, C. (ed.), Rodriguez Clemente, R. (ed.), Arvanitis, R. (ed.), Chaabouni, R. (ed.), 2013. Moving forward in the Euro-Mediterranean Research and Innovation partnership. The experience of the MIRA project. CIHEAM, 259 pages.
- Redd, T., Wood, J., Foden, J., Mills, D., Bonne, W., 2014. Improving Science-Policy Interfaces: Recommendations for JPI Oceans. CSA Healthy and Productive Seas, FP7-SST-2012-RTD-1.
- Rudd, M.A., 2015. Scientists' framing of the ocean science–policy interface. *Glob. Environ. Chang.* 33, 44–60.
- Sarkki, S., Niemela, J., Tinch, R., van den Hove, S., Watt, A., Young, J., 2014. Balancing credibility, relevance and legitimacy: a critical assessment of trade-offs in science–policy interfaces. *Sci. Public Policy* 41, 194–206.
- STEP-WISE project, 2013. Final Report (http://cordis.europa.eu/publication/rcn/15710_en.html), 25 pages.
- WaterDiss2.0 project, 2014. Dissemination and uptake of FP water research results. Recommendations for improving research dissemination tactics. 31 pages.
- Young, J.C., Watt, A.D. van den Hove, S. and the SPIRAL project team, 2013. The SPIRAL synthesis report: A resource book on science-policy interfaces, 112 pages.



Sustainable Water Integrated Management and Horizon 2020 Support Mechanism
This Project is funded by the European Union

ANNEXES



ANNEX I. BRIEF DESCRIPTION OF THE THEMES COVERED UNDER SWIM-H2020 SM

HORIZON 2020	
Industrial Pollution	This theme covers industrial pollution abatement and mitigation in general. Industrial solid waste and wastewater management and treatment; physical chemical processes; sludge management and treatment; environmental impact assessment and sectoral approaches (e.g. on food and agriculture, including olive oil; manufacturing including iron and steel; tourism; construction, etc.) will be tackled.
Solid Waste Management	This theme includes the implementation of policy development, technical assistance and capacity building activities on several municipal solid waste aspects including: institutional, policy, financial, legislative issues, communication and PPP arrangements. This activity is also intended to enlighten the state of the art in technology, organizational and practices of handling solid wastes, waste collection and transport, moving from low to high levels of recovery and recycling of waste with the involvement, also, of the informal sector, treatment and disposal technologies including organic waste management and energy recovery.
Hazardous Waste	This theme was introduced under the new SWIM-H2020 SM and is intended to assist countries to implement their commitments under the Hazardous Wastes Protocol and address some emerging issues on hazardous waste including Toxic Chemicals (e.g. POPs) prevention and phase out. Activities cover technical assistance, guidance and training on strengthening the legal frameworks, reforming local taxation, authorization and monitoring, development and implementation of National Hazardous Waste Management Master Plans and National Special Waste Treatment and Disposal Centres, etc.
Marine Litter	This theme is among the recently emerged ones and includes activities aiming the enhancements of coordination on marine litter management and related aspects from monitoring and assessment approaches to prevention and mitigation measures. It is also intended to support countries in the implementation of the UNEP/MAP Regional Plan on Marine Litter Management (e.g. on extended producer responsibility) and to build the necessary synergies in order to address the transboundary aspects of marine litter in a coordinated and harmonized manner.
SWIM	
Assessment of Water Resources' Vulnerability and Related Risks	This theme groups all activities related to the assessment of the water resources, both the quantitative and chemical/ecological status. Multiple scales will be covered (e.g. RB, region, nationwide, etc.), and the possibility for using various data sources and tools will be presented (in-situ, satellite, models, etc.). Issues of vulnerability and risk connected to meteorological hazards are also covered.
Decentralized Water Management & Growth	This theme includes activities aiming at the promotion and strengthening of decentralized water management, the regional (subnational) integration and cooperation, the development of adequate institutional setting, and the identification, examination and facilitation of growth opportunities
Sustainable Options & Interventions	This theme groups all activities related to the options and interventions for increasing water efficiency, water supply reliability and mitigating risks. The cost-benefit analysis and the investigation of different



	measures/options (either on the demand reduction or on the increase of supply) are included here. These options vary from technological, to economic and policy instruments, etc. having as an overall objective the introduction of a smart and sustainable adaptation tackling drivers and pressures.
Water Valuation	This theme includes activities related to the valuation of water resources, and the investigation of cost-recovery mechanisms and options.
Ecosystem Approaches IWRM in	This theme groups activities that could enhance the quality and quantity of water to satisfy the needs of the ecosystem, communities and economies relying upon the aquatic ecosystems and its associated resources. Under this theme, activities related to river rehabilitation and restoration, preservation of the groundwater, protection of the water resources and aquatic environments are included.
CROSS CUTTING	
Environmental Integration	This includes technical assistance and facilitation of institutional reforms, inter-sectorial approaches 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 integrated management of coastal zones (ICZM) in combination with IWRM, 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;
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.
Climate Change	Within the context of SWIM & H2020 SM, activities not covered by other relevant projects 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 (circular economy, cleaner production, eco-efficiency, 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.
HORIZONTAL	
Stakeholders' Engagement	This generic theme includes activities that cut-across the domains of most of the themes using participatory approaches for improving water and environmental governance.



ANNEX II. LIST OF PRE-SCREENED RESEARCH PROJECTS

	Funding source	Acronym	Full title
1.	H2020 research	5TOI_4EWAS	Quintuple Helix Approach to Targeted Open Innovation in Energy, Water, Agriculture in the South Mediterranean Neighborhood
2.	LIFE+	Adapt2Change	Adapt agricultural production to climate change and limited water supply
3.	H2020 research	AfriAlliance	Africa-EU Innovation Alliance for Water and Climate
4.	LIFE+	AG_UAS	Sustainable water management at regional scale through Airborne Remote Sensing based on Unmanned Aerial Systems (UAS)
5.	H2020 research	algaPLUS	Upscale and optimization of an olive wastewater treatment photobioreactor (PBR) coupled to algae biomass valorisation as biofertilizer and treated water reuse
6.	H2020 research	ALICE	AcceLerate Innovation in urban wastewater management for Climate change
7.	H2020 research	AMBER	Adaptive Management of Barriers in European Rivers
8.	LIFE+	AMMONIA TRAPPING	Development of membrane devices to reduce ammonia emissions generated by manure in poultry and pig farms
9.	H2020 research	ANSWER	ANTibioticS and mobile resistance elements in WastEwater Reuse applications: risks and innovative solutions
10.	IPA-Adriatic	AOGRPSL	The Adriatic olive-grove: Risk prevention, sustainability, learning
11.	LIFE+	AQUA	Adoption of Quality water Use in Agro-industry sector
12.	ECO-INNOV	AquaCritox	Exploiting Super-Critical Water Oxidation for Sludge Treatment
13.	H2020 research	AQUACROSS	Knowledge, Assessment, and Management for AQUatic Biodiversity and Ecosystem Services aCROSS EU policies (AQUACROSS)
14.	LIFE+	AQUAENVEC	Assessment and improvement of the urban water cycle eco-efficiency using LCA and LCC
15.	H2020 research	AQUAHYDRO	Aquatic-terrestrial linkages in Afrotropical lakes and rivers using stable hydrogen isotopes
16.	ECO-INNOV	AQUALOOP	A system able to recycle used water and to provide a high water quality
17.	H2020 research	AquaNES	Demonstrating synergies in combined natural and engineered processes for water treatment systems
18.	H2020 research	AquaPure	Detergent-free process for dishwashers with cleaning and disinfecting properties
19.	H2020 research	AquaSHIELD	Protecting citizens against intentional drinking water contamination with a water quality firewall
20.	H2020 research	AquaSpace	Ecosystem Approach to making Space for Aquaculture
21.	LIFE+	AQUAVAL	Sustainable Urban Water Management Plans, promoting SUDS and considering Climate Change, in the Province of Valencia
22.	LIFE+	AQUOR	Implementation of a water saving and artificial recharging participated strategy for the quantitative groundwater layer rebalance of the upper Vicenza's plain
23.	LIFE+	aWARE	Innovative hybrid MBR-(PAC-NF) systems to promote water reuse
24.	IPA-Adriatic	B.W.S	Building waste sustainability: new capacities for sustainable waste management
25.	FP7	BASE	Bottom-Up Climate Adaptation Strategies Towards a Sustainable Europe
26.	H2020 research	BEEP-WATER	Biosensor for Effective Environmental Protection through the on-site, automated monitoring of a large set of chemical contaminants in Water."
27.	FP7	BEWATER	Making society an active participant in water adaptation to global change



28.	H2020 research	BINGO	Bringing INnovation to onGOing water management – A better future under climate change
29.	H2020 research	BiodivERsA3	Consolidating the European Research Area on biodiversity and ecosystem services
30.	H2020 research	BioMicroGels	Innovative environmentally-benign wastewater treatment reagents offering a step change in efficiency in the cleaning of water from oils and metal ions and in liquidation of emergency oil spills
31.	H2020 research	BIO-OXIDATED S2	The solution to use organic sludge, non-hazardous industrial waste and urban green waste to make bricks
32.	H2020 research	BioPellets	Integrating food waste into wood pellets to convert waste grease to a useful biofuel.
33.	LIFE+	BioSolWaRe-LIFE	BioSolWaRe-LIFE - Bio-Solar Water Recycling: Demonstration wastewater treatment system dedicated to freshwater reuse and recycling.
34.	LIFE+	BIOTTOPE	Biological tools to Optimize Treatment Technologies to remove micro Pollutants and Endocrine disrupters
35.	H2020 research	biowater	AQANAT® biowater: Advanced sustainable residue free sanitation system for post-harvest food processing resulting in a 70% reduction in water usage and a 50% reduction in post-harvest losses
36.	H2020 research	BIWAS	Biological Water Alarm System (BiWAS) for protection of urban drinking water infrastructure against CBRN threats
37.	H2020 research	BlockPLA	Innovative Biodegradable PLA Plastic for an Increased Range of Packaging Applications
38.	H2020 research	BlueSCities	Blueprints for Smart Cities: Developing the methodology for a coordinated approach to the integration of the water and waste sectors within the EIP Smart Cities and Communities
39.	H2020 research	BlueSCities	Blueprints for Smart Cities: Developing the methodology for a coordinated approach to the integration of the water and waste sectors within the EIP Smart Cities and Communities
40.	LIFE+	BREAD4PLA	Demonstration Plan Project to produce Poly-lactic acid (PLA) Biopolymer from waste products of bakery industry
41.	H2020 research	BRIGAD	BRIDges the GAP for Innovations in Disaster resilience
42.	LIFE+	BUCEFALOS	BIUe ConcEpt For A Low nutrient/carbOn System –regional aqua resource management
43.	H2020 research	CD-LINKS	Linking Climate and Development Policies - Leveraging International Networks and Knowledge Sharing
44.	LIFE+	cellu2plaLIFE+	Demonstration of an innovative process to produce biobased plastic out of cellulose recovered from domestic waste water
45.	LIFE+	CENIRELTA	Cost-Effective Nitrogen REmoval from waste water by Low-Temperature Anammox.
46.	H2020 research	CENTAUR	Cost Effective Neural Technique for Alleviation of Urban Flood Risk
47.	H2020 research	CERES	Climate change and European aquatic RESources
48.	H2020 research	CIRCULAR IMPACTS	Measuring the IMPACTS of the transition to the CIRCULAR economy
49.	LIFE+	CITYWATER	CITYWATER - Benchmarking water protection in cities
50.	H2020 research	CiWater	Feasibility study for water leakage detector CiWater
51.	LIFE+	Clean Sea LIFE	Clean Sea Life
52.	H2020 research	CleanHydro	SUSTAINABLE WATER TREATMENT FOR EUROPEAN INDUSTRY - ACHIEVING REGULATORY COMPLIANCE AND ENVIRONMENTAL PROTECTION
53.	H2020 research	CleanOil	Global business challenge: Breaking the oilgas water dependency with a cost-effective no-waste nanomembrane technology for water reuse
54.	FP7	CLEANSEA	Towards a Clean, Litter-Free European Marine Environment through Scientific Evidence, Innovative Tools and Good Governance
55.	ECO-INNOV	CleanWater	Safe water disinfection by an innovative ion exchange membrane
56.	LIFE+	CLEANWATER	Integrated system for protect and analyse the status and trends of water threatened by nitrogen pollution



57.	LIFE+	CLICC	Climate Living in Cities Concept
58.	FP7	CLIMSAVE	Climate change integrated assessment methodology for cross-sectoral adaptation and vulnerability in Europe
59.	FP7	COMMON SENSE	Cost-effective sensors, interoperable with international existing ocean observing systems, to meet eu policies requirements
60.	H2020 research	COMOVE	Exploring the impact of social mobilization on cooperation in community-based natural resource management systems: Insights from water conflicts in Spain and Mexico
61.	FP7	CONSIDER	Civil Society Organisations in designing research governance
62.	H2020 research	CPB 4.0	Worldwide unique, resource-conserving and energy-efficient treatment of industrial wastewater polluted by oils and heavy metals for implementing the EU Water Framework Directive in a company
63.	H2020 research	CPB 4.0	Worldwide unique, resource-conserving and energy-efficient treatment of industrial wastewater polluted by oils and heavy metals for implementing the EU Water Framework Directive in a company
64.	LIFE+	CREAMAgua	Creation and restoration of aquatic ecosystems for improvement of water quality and biodiversity in agricultural basins
65.	FP7	CREEA	Compiling and refining environmental and economic accounts
66.	H2020 research	CRISIS	Coastal flood risk in Europe and the socio-economic impacts in a changing climate
67.	H2020 research	CRYPTRANS	Characterization of newly discovered but poorly understood fungal-driven trophic processes in freshwater lake ecosystems by metatranscriptomic
68.	H2020 research	CuPESS	Catchments under Pressure: Ecosystem Service Solutions
69.	H2020 research	CWASI	Coping with water scarcity in a globalized world
70.	H2020 research	CyanoLakes	The Cyanobacteria Blooms Public Information Service
71.	H2020 research	CYTO-WATER	Integrated and portable image cytometer for rapid response to Legionella and Escherichia coli in industrial and environmental waters
72.	H2020 research	DAFNE	DAFNE: Use of a Decision-Analytic Framework to explore the water-energy-food NEXus in complex and trans-boundary water resources systems of fast growing developing countries.
73.	H2020 research	DAM-NET	Dam-nations? A study on dams, nation-building and transboundary water relations through case-studies from Ethiopia and Tajikistan
74.	H2020 research	DECISIVE	A DECentralized management Scheme for Innovative Valorization of urban biowaste
75.	IPA-Adriatic	DeFishGear	Derelict Fishing Gear Management System in the Adriatic Region
76.	LIFE+	Demonstration of KDV Tech	Demonstration of KDV Tech - First implementation of a new waste recovery technology
77.	H2020 research	DIANA	Detection and Integrated Assessment of Non-authorized water Abstractions using EO
78.	H2020 research	DINO_DON	Does vegetation derived organic nitrogen fuel algal blooms in coastal waters of the Baltic Sea?
79.	H2020 research	DISHY	Synergistic effects of DISpersant, oil and HYpoxia in a teleost fish: Investigating the impact of oil contamination in hypoxic areas and the use of dispersant as a response technique
80.	LIFE+	DRAVA LIFE	Integrated River Management
81.	FP7	DROUGHT-R&SPI	Fostering European Drought Research and Science-Policy Interfacing
82.	H2020 research	DRY-2-DRY	Do droughts self-propagate and self-intensify?
83.	H2020 research	DRYLAP	DRY LAPping machine for water saving finishing processes in ceramic sector
84.	H2020 research	ECOLORO	Reuse of Waste Water from the Textile Industry
85.	LIFE+	ECOMAWARU	Eco-sustainable management of water and wastewater in rural communities
86.	FP7	ECO-PRO	Professional promotion of eco-innovative research results through a new media integrated platform for SMEs, research and the public



87.	H2020 research	ECOTRAIT	Understanding the links between functional traits and ecological processes in lake Arcellinida (testate amoebae) ('ECOTRAIT')
88.	H2020 research	Eco-UV	Low carbon footprint and eco-innovative UV water disinfection
89.	H2020 research	ECWRTI	ECOLORO: Reuse of Waste Water from the Textile Industry
90.	H2020 research	EGSIEM	European Gravity Service for Improved Emergency Management
91.	LIFE+	EH-REK	Ecophysiological rehabilitation of recreational reservoirs "Arturówek" in Łódź as a model approach to rehabilitation of urban reservoirs
92.	H2020 research	EKLIPSE	Establishing a European Knowledge and Learning Mechanism to Improve the Policy-Science-Society Interface on Biodiversity and Ecosystem Services
93.	H2020 research	EKO_MEMOF	Ekoservis Membrane Modular Filtration system
94.	H2020 research	Elastomer Recycling	World's first innovative method for recycling of elastomers and plastics from industrial waste
95.	LIFE+	ELINA	Integrated Green Life-Cycle Management of Waste Oils and Residues
96.	H2020 research	ELOXIRAS	Electrochemical Oxidation in the Recirculating Aquaculture Systems Industry
97.	LIFE+	ENERGY-WASTE	Energy exploitation of non-recyclable urban waste in a sustainable waste-to-energy market
98.	FP7	ENORASIS	ENVIRONMENTAL OPTIMIZATION OF IRRIGATION MANAGEMENT WITH THE COMBINED USE AND INTEGRATION OF HIGH PRECISION SATELLITE DATA, ADVANCED MODELING, PROCESS CONTROL AND BUSINESS INNOVATION
99.	H2020 research	EnviroALARM	Early alarm system for groundwater contamination monitoring
100.	H2020 research	EO-FARM	EARTH OBSERVATION FARMING
101.	H2020 research	eoFRESH	Earth Observation freshwater monitoring services
102.	H2020 research	EOMORES	Earth Observation based services for Monitoring and Reporting of Ecological Status
103.	FP7	EPI WATER	Evaluating Economic Policy Instruments for Sustainable Water Management in Europe
104.	H2020 research	ESMERALDA	Enhancing ecoSystem sERvices mApping for poLicy and Decision mAKing
105.	H2020 research	ESMERALDA	Enhancing ecoSystem sERvices mApping for poLicy and Decision mAKing
106.	H2020 research	ESPRESSO	Enhancing Synergies for disaster PREvention in the EurOpean Union
107.	ECO-INNOV	ESS-WATER BEV.TECH.	Innovative combination of water technologies for the reduction of water consumption and waste in the beverage industry
108.	H2020 research	EUGENIUS	European Group of Enterprises for a Network of Information Using Space
109.	LIFE+	EUTROMED	Demonstrative technique to prevent eutrophication by agrarian nitrates in surface waters in the Mediterranean climate
110.	H2020 research	EUWaste	Ecological Utilization of Waste
111.	H2020 research	FATIMA	FARMING TOOLS FOR EXTERNAL NUTRIENT INPUTS AND WATER MANAGEMENT
112.	H2020 research	FERTINNOWA	Transfer of INNOVATIVE techniques for sustainable WATER use in FERTIGATED CROPS
113.	FP7	FIGARO	Flexible and Precise Irrigation PLATFORM to Improve FARM Scale Water Productivity
114.	FP7	FLOODPROBE	Technologies for the cost-effective Flood Protection of the Built Environment
115.	H2020 research	FLOWERED	de-FLUORIDATION technologies for improving quality of WATER and agro-animal products along the East African Rift Valley in the context of adaptation to climate change.
116.	LIFE+	FoodWasteTreatment	Integrated process for a sustainable and cost effective food waste treatment
117.	H2020 research	FOWARIM	FOSTERING WATER-AGRICULTURE RESEARCH AND INNOVATION IN MALTA
118.	FP7	FP4BATIW	Fostering partnerships for the implementation of best available technologies for water treatment & management in the Mediterranean



119.	H2020 research	FREEWAT	FREE and open source software tools for WATer resource management
120.	H2020 research	FreshwaterMPs	The environmental fate and effects of microplastics in freshwater ecosystems
121.	H2020 research	GALNIMBUS	Disruptive cloud-based irrigation controller to optimize water use efficiency in agriculture
122.	FP7	GAP 2	Bridging the gap between science, stakeholders and policy makers Phase 2: Integration of evidence-based knowledge and its application to science and management of fisheries and the marine environment
123.	FP7	GENESIS	Groundwater and dependent ecosystems: New scientific basis on climate change and land-use impacts for the update of the EU Groundwater Directive
124.	ECO-INNOV	GENIOUS	Graphene Eco Innovative Sorbent
125.	H2020 research	GEO-CRADLE	Coordinating and integrating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East, and Balkans and Developing Links with GEO related initiatives towards GEOSS
126.	LIFE+	GISBLOOM	Participatory monitoring, forecasting, control and socio-economic impacts of eutrophication and algal blooms in river basins districts
127.	FP7	GLOBAQUA	Managing the effects of multiple stressors on aquatic ecosystems under water scarcity
128.	H2020 research	GRACE	Integrated oil spill response actions and environmental effects
129.	H2020 research	GRGreen Desalination	GRGreen Desalination: A closed-loop technology for full recovery of water and raw materials from the wastewater effluent
130.	H2020 research	GREENAQUA	Universal system for microbial analysis of water quality to guarantee a safe and healthy agro-food sector
131.	FP7	GREENXPO	Maintaining all Green and Ecoinnovation Results in a Living Portal
132.	H2020 research	Ground Truth 2.0	Ground Truth 2.0 - Environmental knowledge discovery of human sensed data
133.	H2020 research	GROW	GROW Observatory
134.	IPA-Adriatic	HAZADR	Strengthening common reaction capacity to fight sea pollution of oil, toxic and hazardous substances in Adriatic Sea
135.	LIFE+	Hg-rid-LIFE	Mercury Decontamination of Dental Care Facilities
136.	H2020 research	HiCompost	Novel business based on high efficiency composting technology
137.	FP7	HIGHARCS	Highland aquatic resources conservation and sustainable development (in Asia)
138.	H2020 research	HotPaNTS	Hot-spots of Phosphorus and Nitrogen delivery in Time and Space in agricultural catchments
139.	H2020 research	HoTRiverS	Heterogeneity of Temperature in Rivers and Streams
140.	H2020 research	HTCycle	Sewage sludge reuse Phosphate recovery with an innovative HTC technology
141.	H2020 research	HW2000	Hydrowashr 2000
142.	LIFE+	HWC	Jenfelder Au - Hamburg Water Cycle - Jenfelder Au
143.	LIFE+	Hydrochip	Hydrochip
144.	LIFE+	Hydro-climate recovery	Revitalisation of the climate in dried-out communities in Eastern Slovakia via hydro-climate recovery
145.	LIFE+	HydroClimateStrategy Riga	Integrated Strategy for Riga City to Adapt to the Hydrological Processes Intensified by Climate Change Phenomena
146.	LIFE+	HydroSense	Innovative precision technologies for optimised irrigation and integrated crop management in a water-limited agrosystem
147.	H2020 research	HypoTRAIN	Hyporheic Zone Processes – A training network for enhancing the understanding of complex physical, chemical and biological process interactions
148.	LIFE+	IES	Irrigation expert simulator
149.	H2020 research	iMETland	iMETland: A new generation of Microbial Electrochemical Wetland for effective decentralized wastewater treatment



150.	H2020 research	IMPACTPapeRec	Boosting the implementation of participatory strategies on separate paper collection for efficient recycling
151.	H2020 research	IMPREX	IMproving PRedictions and management of hydrological EXtremes
152.	FP7	INCOMMET	Improving National Capacities in Observation and Management of Marine Environment in Tunisia
153.	H2020 research	INCOVER	Innovative Eco-Technologies for Resource Recovery from Wastewater
154.	H2020 research	INDALG	Development of an innovative algae based tertiary wastewater treatment and value recovery system
155.	LIFE+	INHABIT	Local hydro-morphology, habitat and RBMPs: new measures to Improve ecological quality in South European rivers and lakes
156.	H2020 research	INHABIT Cities	Investigating Natural, Historical, And Institutional Transformations - Cities
157.	H2020 research	InnoPellet	Self-supporting biofuel sludge pellet producing system for small and medium sized sewage plants
158.	H2020 research	INNOQUA	Innovative Ecological on-site Sanitation System for Water and Resource Savings
159.	H2020 research	INNOVCITIES	Institutional Innovation for Adapting to Climate Change in Water Governance within Cities
160.	H2020 research	INSPIRATION	Managing soil and groundwater impacts from agriculture for sustainable intensification
161.	LIFE+	INSPIRE4LIFE	Innovative sorting process plastic recycling
162.	H2020 research	INSPIREWater	Innovative Solutions in the Process Industry for next generation Resource Efficient Water management
163.	H2020 research	INTCATCH	Development and application of Novel, Integrated Tools for monitoring and managing Catchments
164.	H2020 research	INTEGROIL	Demonstration of a Decision Support System for a Novel Integrated Solution aimed at Water Reuse in the Oil & Gas Industry
165.	LIFE+	Investing in Water	Achieving Reduction in Water Consumption by Business in Malta
166.	H2020 research	IPHYC-H2020	EU market research for an innovative algae based tertiary wastewater treatment system
167.	LIFE+	IRRIGESTLIFE	Telemanagement network using free controllers connected to a GIS for an optimized irrigation in VITORIA-GASTEIZ
168.	H2020 research	IRRISAVE	Smart Irrigation Control System with 40% Savings in Water for Universal Use
169.	LIFE+	ISOBEL	Integrated SOlutions for BEd Load management
170.	H2020 research	ISPNET	Intelligent System for Pressure Networks
171.	ECO-INNOV	IWEC	Increased Water Efficiency with Ceramic membrane technology
172.	H2020 research	KINDRA	Knowledge Inventory for hydrogeology research
173.	FP7	KNEU	Developing a Knowledge Network for EUropean expertise on biodiversity and ecosystem services to inform policy making economic sectors
174.	FP7	KNOSSOS	KNOWledge from Science to SOcieties
175.	H2020 research	k-NOW-casting	k-NOW-casting
176.	FP7	KNOWSEAS	Knowledge-based Sustainable Management for Europe's Seas
177.	LIFE+	KRASCAVE	Implementation of sustainable groundwater use in the underground karst system of the Krásnohorská jaskyňa Cave
178.	FP7	LAGOONS	Integrated water resources and coastal zone management in European lagoons in the context of climate change
179.	LIFE+	Lambro vivo	Actions for the improvement of water quality and habitats in the River Lambro valley
180.	ECO-INNOV	LEAKCURE	Intervention for Curing Pipeline Leakage in Urban Water Mains
181.	LIFE+	LIFE ADNATUR	Demonstration of natural coagulant use advantages in physical & chemical treatments in industry and urban waste water
182.	LIFE+	LIFE AGROWETLANDS	Smart water and soil salinity management in agro-wetlands



II			
183.	LIFE+	LIFE BITMAPS	Pilot technology for aerobic Biodegradation of spent TMAH Photoresist solution in Semiconductor industries
184.	LIFE+	LIFE CELSIUS	Sustainable and low energy wastewater treatment for warm climates
185.	LIFE+	LIFE DEBAG	Integrated information and awareness campaign for the reduction of plastic bags in the marine environment
186.	LIFE+	LIFE DrainRain	RunOff Water Purification from Pavements: A Novel Integral System of Pervious Concrete Pavement & Insitu Water Treatment
187.	LIFE+	LIFE DRAINUSE	Re-utilisation of drainage solution from soilless culture in protected agriculture. From open to close system
188.	LIFE+	LIFE EBRO-ADMICLIM	Adaptation and mitigation measures to climate change in the Ebro Delta
189.	LIFE+	LIFE ECODigestion	Automatic control system to add organic waste in anaerobic digesters of WWTP to maximize the biogas as renewable energy
190.	LIFE+	LIFE ECO-PULPLAST	Local circular economy by an innovative approach for recycling paper industry pulper waste into new plastic pallets
191.	LIFE+	LIFE EFFIDRAIN	LIFE EFFIDRAIN - Efficient Integrated Real-time Control in Urban Drainage and Wastewater Treatment Plants for Environmental Protection
192.	LIFE+	LIFE EMaRES	Enhanced Material Recovery and Environmental Sustainability for Small Scale Waste Management Systems
193.	LIFE+	Life EWW+	European Week for Waste Reduction
194.	LIFE+	LIFE HyMemb	Tailoring hybrid membrane processes for sustainable drinking water production
195.	LIFE+	LIFE Impetus	Improving current barriers for controlling pharmaceutical compounds in urban wastewater treatment plants
196.	LIFE+	LIFE In-BRIEF	Integrated business model for turning Bio-waste and sewage sludge into renewable energy and agri-urban Fertilizers
197.	LIFE+	LIFE LEMA	Intelligent marine LittEr removal and Management for local Authorities
198.	LIFE+	LIFE LEMNA	Duckweed technology for improving nutrient management and resource efficiency in pig production systems
199.	LIFE+	LIFE LIVE-WASTE	Sustainable management of livestock waste for the removal/recovery of nutrients
200.	LIFE+	LIFE MCUBO	Modelling, Measurement and Improvement of the water management environmental impact in the food industry
201.	LIFE+	LIFE MEMORY	Membrane for ENERGY and WATER RECOVERY
202.	LIFE+	LIFE NOVADRAIN	Innovative drainage water solutions and spatial planning
203.	LIFE+	LIFE of water is man life	Minimize the water footprint of the impactful H2O waste in the cutting cycle of natural stone blocks
204.	LIFE+	LIFE PAYT	Tool to Reduce Waste in South Europe
205.	LIFE+	LIFE PharmDegrade	Degradation of pharmaceuticals in wastewaters from nursing homes and hospitals
206.	LIFE+	LIFE PHORWater	Integral Management Model for Phosphorus recovery and reuse from Urban Wastewater.
207.	LIFE+	LIFE RAMSES	Enhanced Reclaimed wAter quality through MainStream anaErobic treatment using Supported biomass growth.
208.	LIFE+	LIFE RECLAIM	Landfill mining pilot application for recovery of invaluable metals, materials, land and energy
209.	LIFE+	LIFE REGENERA LIMIA	Development of demonstrative solutions to reduce the water contamination of agrarian origin in the Limia basin
210.	LIFE+	Life RESAFE	Innovative fertilizer from urban waste, bio-char and farm residues as substitute of chemicals fertilizers
211.	LIFE+	LIFE REWAT	Sustainable WATer management in the lower Cornia valley through demand REDuction, aquifer REcharge and river REstoration
212.	LIFE+	LIFE REWATCH	Demonstration of an innovative recycling scheme to increase the water efficiency in the petrochemical industry



213.	LIFE+	LIFE RINASCE	Naturalistic Restoration for the integrated hydraulic-environmental Sustainability of the Emilian Canals
214.	LIFE+	LIFE Risorgive	Conservation of biodiversity in the Municipality of Bressanvido
215.	LIFE+	LIFE rPack2L	Integrated management of multilayer PVC/PE packaging waste
216.	LIFE+	LIFE RURAL SUPPLIES	Sustainable solutions for very small water supplies
217.	LIFE+	LIFE RusaLCA	Nanoremediation of water from small waste water treatment plants and reuse of water and solid remains for local needs
218.	LIFE+	LIFE SANePLAN	Integrated Planning and Sustainable Management of Sanitation Infrastructures through innovative precision technology
219.	LIFE+	LIFE SAVING-E	Two-Stage Autotrophic N-remoVal for malNstream sewaGe trEatment
220.	LIFE+	LIFE SEACAN	Reducing the pressure of fish canneries on the marine environment with novel effluent treatment and ecosystem monitoring
221.	LIFE+	LIFE SEGURA RIVERLINK	RIVERLINK
222.	LIFE+	LIFE SIAMEC	Integrated anaerobic system for wastewater reclamation at ambient temperature in European climates
223.	LIFE+	LIFE SMART Hospital	A Step towards zero eMissions goAl in Heath SectoR: BesT Practice Examples in Hospital Universitario Río Hortega
224.	LIFE+	LIFE SMILE	Strategies for MarIne Litter and Environmental prevention of sea pollution in coastal areas
225.	LIFE+	LIFE Stop CyanoBloom	Innovative technology for cyanobacterial bloom control
226.	LIFE+	LIFE SURE	Sediment Uptake and Remediation on Ecological basis
227.	LIFE+	LIFE SWSS	Smart Water Supply System
228.	LIFE+	LIFE TRIVERS	Implementing the Water Framework Directive to temporary rivers: tools for the assessment of their ecological status
229.	LIFE+	LIFE WaterLIFE	Delivery of the Water Framework Directive through collaborative action between civil society and the private sector
230.	LIFE+	LIFE WaterReuse	Improving water management efficiency at industries with organic load
231.	LIFE+	LIFE WIRE	Water Cycle Efficiency Improvement by Boosting Industrial Water Reuse
232.	LIFE+	LIFE_IRRILIFE	Environmentally efficient use of pesticides by localized irrigation systems
233.	LIFE+	LIFE+ 2012 N-SINK	Reduction of waste water nitrogen load: demonstrations and modelling (N-SINK)
234.	LIFE+	LIFE+ INADAR	Innovative and ecological approach for dam restoration
235.	LIFE+	LIFE+ InSiTrate	In-situ treatment technology for drinking water production from nitrate-polluted groundwater
236.	LIFE+	LIFE+ IRRIMAN	Implementation of efficient irrigation management for a sustainable agriculture
237.	LIFE+	LIFE+ TL-BIOFER	Nutrients and regenerated water recycling in wwtps through twin-layer microalgae culture for biofertilizers production
238.	LIFE+	LIFE+ WOGAnMBR	Demonstration of Anaerobic Membrane Bioreactor technology for valorization of agro-food industry wastewater
239.	LIFE+	LIFE+ ZELDA	Zero Liquid Discharge desalination: brine treatment based on electrodialysis metathesis and valuable compound recovery
240.	LIFE+	LIFE2Water	Verification and assessment of technologies for tertiary treatment of municipal wastewater
241.	LIFE+	LIFE-ANADRY	Dry anaerobic digestion as an alternative management & treatment solution for sewage sludge
242.	LIFE+	LIFE-ANSWER	Advanced Nutrient Solutions With Electrochemical Recovery
243.	LIFE+	LIFE-AQUASEF	Eco-efficient technologies development for environmental improvement of aquaculture
244.	LIFE+	LIFE-Aquemfree	In-Farm remediation by solar photocatalysis of agro-waste water with pesticides from remnants, cleaning and rinse



245.	LIFE+	LIFE-EMPORE	Development of an efficient and sustainable methodology for EMerging POLLutants REMoval in WWTPs (EMPORE)
246.	LIFE+	LIFE-ETAD	Ecological treatment of acid drainage
247.	LIFE+	LIFE-GOODSTREAM	Good ecological status of an agricultural stream - introducing Integrated Buffer Zones in a holistic approach
248.	LIFE+	LIFE-GREEN4GREY	Innovative design & development of multifunctional green & blue infrastructure in Flanders grey peri-urban landscapes
249.	LIFE+	LIFE-IP RBMP-NWRBD UK	Integrated water management approach to delivery of the North West England River basin management plan
250.	LIFE+	LIFE-OFREA	Improving Water Reuse at the coastal areas by an advanced desalination process.
251.	LIFE+	LIFE-ood.Waste.StandUp	Awareness-raising campaign for food waste prevention and surplus food management among agrofood SMEs, retailers & consumers
252.	LIFE+	LIFE-PURIWAT	New demonstrative pilot plant for the purification waste water with oils, fats and hydrocarbons
253.	LIFE+	LIFE-REMPHOS	Implementation of a new phosphate removal tertiary treatment in WWTP
254.	LIFE+	LIFE-RENEWAT	Optimised Renewable Mix for Energy Saving in Waste Water Treatment Plants
255.	LIFE+	LIFEVERTALIM	Prevention and Integral management of high polluted effluents from Food SMES to urban sanitation systems
256.	LIFE+	Living River Lahn	Living River Lahn - one river, many interests
257.	H2020 research	LOOWATT	European Expansion for Circular Economy Off-Grid Toilets
258.	LIFE+	LOWaste	Local waste market for second life products
259.	H2020 research	Lt-AD	Low-temperature anaerobic digestion treatment of low-strength wastewaters
260.	LIFE+	LVM-BIOcells	Using hydrogeobiocells (HGBcells) for the in-situ biological treatment of CAH contaminated groundwater in areas with low hydraulic gradients
261.	LIFE+	MAC EAU	Reducing Consumption of Drinking Water: Implementation and Evaluation of Integrated Measures in Gironde (France)
262.	H2020 research	MADFORWATER	DevelopMent AnD application of integrated technological and management solutions FOR wasteWATER treatment and efficient reuse in agriculture tailored to the needs of Mediterranean African Countries
263.	H2020 research	MAGIC	Moving Towards Adaptive Governance in Complexity: Informing Nexus Security
264.	LIFE+	MAGPlan	Management plan to prevent threats from point sources on the good chemical status of groundwater in urban areas
265.	ENPI CBC Med	MAPMED	MANagement of Port areas in the MEDiterranean sea basin
266.	IPA-Adriatic	MarInA-Med	COMmunication and CAPitalization of Maritime Integrated Approach in the Mediterranean Area
267.	FP7	MARLISCO	MARine Litter in Europe Seas: Social AwareneS and CO-Responsibility
268.	FP7	MARSOL	Demonstrating Managed Aquifer Recharge as a Solution to Water Scarcity and Drought
269.	H2020 research	MASLOWATEN	MARKet uptake of an innovative irrigation Solution based on LOW WATER-ENERgy consumption
270.	H2020 research	MAYIM	Integrated method for treating a wide range of industrial waste waters based on magnetic settling and catalytic oxidation
271.	IPA-Adriatic	Med-IAMER	Integrated Actions to Mitigate Environmental Risks in the Mediterranean Sea
272.	FP7	MEDIATION	Methodology for Effective Decision-making on Impacts and Adaptation
273.	H2020 research	MedReset	MEDRESET.A comprehensive, integrated,and bottom-up approach to reset our understanding of the Mediterranean space, remap the region,and reconstruct inclusive, responsive,and flexible EU policies in it
274.	IPA-Adriatic	MedTrends	Future Trends in the Mediterranean Sea
275.	H2020 research	MERCES	Marine Ecosystem Restoration in Changing European Seas



276.	H2020 research	MICROCLEANERS	Active microcleaners for water remediation
277.	H2020 research	MicroEcoEvol	Ecological and evolutionary forces shaping microbial diversity in freshwater blooms
278.	H2020 research	MicroERA	Ecological Sensitivity Distribution (ESD): integrating molecular-based structural and functional microbial community responses in a new tool for environmental risk assessment of chemicals
279.	H2020 research	MIDES	Microbial Desalination for Low Energy Drinking Water
280.	LIFE+	MINAQUA	Demonstration project for water saving in car wash premises using innovative detergents and soft treatment systems.
281.	H2020 research	MinWaterCSP	MinWaterCSP - Minimized water consumption in CSP plants
282.	FP7	MIRA	Mediterranean Innovation and Research Coordination Action
283.	H2020 research	MISTRALE	Monitoring of Soil moisture and water-flooded Areas for agriculture and Environment
284.	H2020 research	MOSES	Managing crop water Saving with Enterprise Services
285.	H2020 research	MUCKY	The circular solution for the valorisation of mixed municipal waste streams
286.	LIFE+	MY FAVOURITE RIVER	Sustainable use of and identification with the River Neckar in co-operative governance (national, municipal and regional level)
287.	H2020 research	NAIAD	Nature Insurance value: Assessment and Demonstration
288.	H2020 research	NANOREMOVAS	ADVANCED MULTIFUNCTIONAL NANOSTRUCTURED MATERIALS APPLIED TO REMOVE ARSENIC IN ARGENTINIAN GROUNDWATER
289.	H2020 research	NANOSCREEN	Disruptive portable device for pre-screening of Persistent Organic Pollutants –POPs- in food products and water
290.	H2020 research	NARS	Novel ecological adsorbent using Schwertmannite material for Removal of Selenate and Selenite from contaminated water
291.	H2020 research	NaToxAq	Natural Toxins and Drinking Water Quality - From Source to Tap
292.	H2020 research	NESS-SW	Domestic hot water smart management
293.	H2020 research	New_Innonet	The Near-zero European Waste Innovation Network
294.	H2020 research	NoAW	Innovative approaches to turn agricultural waste into ecological and economic assets
295.	FP7	NOVIWAM	Novel Integrated Water Management Systems for Southern European Regions
296.	LIFE+	NOW	No more organic waste
297.	H2020 research	OC-Tech	SMEInst-10-2016-2017 - Small business innovation research for Transport and Smart Cities Mobility
298.	FP7	ODEMM	Options for Delivering Ecosystem-Based Marine Management
299.	LIFE+	OMZET	Waste water treatment as energy and mineral recovery utility
300.	H2020 research	OPTWET	Finding optimal size and location for wetland restoration sites for best nutrient removal performance using spatial analysis and modelling
301.	H2020 research	OX-SIHA	Integral water sanitation system
302.	LIFE+	P.R.I.M.E.	Posidonia Residues Integrated Management for Eco-sustainability
303.	LIFE+	PALM	Pump And Leakage Management
304.	FP7	PERSEUS	Policy-oriented marine Environmental Research in the Southern European Seas
305.	H2020 research	PHARM AD	Removal of pharmaceutical micro-pollutants from waste water by anaerobic digestion and its effect on nitrogen recovery from digestate by micro-algae.
306.	H2020 research	PIANO	Policies, Innovation And Networks for enhancing Opportunities for China Europe Water Cooperation
307.	LIFE+	PLATAFORMA CENTRAL IBERUM	Sustainable urban development in "PLATAFORMA CENTRAL IBERUM"
308.	LIFE+	PLD	Erection of a demonstrative de-oiling plant for recycling oily steelmaking sludge and mill scales



309.	LIFE+	POWER	Project for Optimisation of Water and Emissions Reduction
310.	H2020 research	POWERSTEP	Full scale demonstration of energy positive sewage treatment plant concepts towards market penetration
311.	H2020 research	PPI4Waste	Promotion of Public Procurement of Innovation for Resource Efficiency and Waste Treatment
312.	H2020 research	PrediSmart	AN INTELLIGENT PREDICTION SYSTEM FOR THE SMART EFFICIENT USE OF RESOURCES IN CITIES
313.	LIFE+	PRISCA	Pilot project for scale re-use starting from bulky waste stream
314.	H2020 research	ProTreat	Feasibility assessment of the green "PROTREAT" technology for protein-based, natural removal of heavy metals from water and wastewater
315.	H2020 research	ProTreat	FEASIBILITY ASSESSMENT OF THE GREEN "ProTreat" TECHNOLOGY FOR PROTEIN-BASED, NATURAL REMOVAL OF HEAVY METALS FROM WATER AND WASTEWATER
316.	LIFE+	PURE	From Treated Wastewater to Alternative Water Resources in Semi-Arid Regions
317.	LIFE+	QUARTERBACK for LIFE	Crude glycerine water used on-site as a feedstock in an anaerobic digestion reactor to produce the renewable fuel biogas
318.	H2020 research	R2PI	Transition from linear 2 circular: policy and innovation
319.	ECO-INNOV	RAINSafe	Safe Drinking Water from Harvested Rain Water
320.	H2020 research	ReadyToGo	Analysis of the regulation of stress tolerance and growth to improve stress responses under water scarcity in crops
321.	LIFE+	REAGRITech	Regeneration and reuse of runoff and drainage water in agricultural plots by combined natural water treatment systems
322.	H2020 research	REC	Root zone soil moisture Estimates at the daily and agricultural parcel scales for Crop irrigation management and water use impact – a multi-sensor remote sensing approach
323.	FP7	RECODE	Policy RECommendations for Open Access to Research Data in Europe
324.	LIFE+	Recycling@Home	Development and demonstration of an ecological, innovative system for in-house waste recycling
325.	H2020 research	ReDurComp	Novel business on DURable and COMPostable products based on REcycled plastic
326.	H2020 research	REFRESH	Resource Efficient Food and dRink for the Entire Supply cHain
327.	H2020 research	REGROUND	Colloidal Iron Oxide Nanoparticles for the REclamation of Toxic Metal Contaminated GROUNDwater Aquifers, Drinking Water Wells, and River Bank Filtrations
328.	H2020 research	REMEB	Eco-friendly ceramic membrane bioreactor (MBR) based on recycled agricultural and industrial wastes for waste water reuse
329.	H2020 research	reNEW	Valuable product recovery from sewage sludge
330.	LIFE+	ReQpro	A model to reclaim and reuse wastewater for quality crop production
331.	H2020 research	RESCCUE	RESilience to cope with Climate Change in Urban arEas - a multisectorial approach focusing on water
332.	H2020 research	RESLAG	Turning waste from steel industry into a valuable low cost feedstock for energy intensive industry
333.	H2020 research	ReSpirA	Olive oil wastewater Reuse for the production and commercialisation of Spirulina Alga
334.	LIFE+	RESTORE	Rivers: Engaging, Supporting and Transferring knOWledge for Restoration in Europe
335.	H2020 research	RESYNTEX	A new circular economy concept: from textile waste towards chemical and textile industries feedstock
336.	H2020 research	RETYRE	Recycling waste tyres into devulcanized rubber
337.	H2020 research	REvived water	Low energy solution for drinking water production by a REvival of ElectroDialysis systems
338.	H2020 research	ReWaCEM	Ressource recovery from industrial waste water by cutting edge membrane technologies



339.	LIFE+	REWETLAND	Widespread introduction of constructed wetlands for a wastewater treatment of Agro Pontino
340.	H2020 research	RichWater	First application and market introduction of combined wastewater treatment and reuse technology for agricultural purposes
341.	H2020 research	River-HMV	River hydraulics, morphology, and vegetation: A case for improved knowledge and numerical model capabilities
342.	LIFE+	ROEM-plus	High resolution AppROach for ManagEMent of Surface Water EutroPication in RuraL areas of the DUero River BaSin
343.	FP7	RRI TOOLS	RRI TOOLS, a project to foster Responsible Research and Innovation for society, with society
344.	H2020 research	SafeWaterAfrica	Self-Sustaining Cleaning Technology for Safe Water Supply and Management in Rural African Areas
345.	H2020 research	SALTGAE	Demonstration project to prove the techno-economic feasibility of using algae to treat saline wastewater from the food industry
346.	H2020 research	SCREEN	Synergic Circular Economy across European Regions
347.	H2020 research	Sea Litter Critters	Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth
348.	LIFE+	SEA-MATTER	Revalorization of coastal algae wastes in textile nonwoven industry with applications in building noise isolation
349.	FP7	SEAS ERA	Towards integrated European marine research strategy and programmes
350.	LIFE+	SEDI.PORT.SIL	Recovery of dredged SEDIments of the PORT of Ravenna and SILicon extraction
351.	H2020 research	SEDiLINK	Sediment linkage between land, river and sea: evaluating impacts of historic mining on sediment quality in the coastal zone
352.	H2020 research	SEEGLOSS	Glass Recovering Revolution: High performance Optical Sorter for glass collection from Waste
353.	H2020 research	SEGU	SEwer inventory system to safeGUard waste water infrastructures
354.	H2020 research	SenSOP-II	Novel sensor based soil-plant-climate control system for European smart farming
355.	IPA-Adriatic	SHAPE	Shaping an Holistic Approach to Protect the Adriatic Environment: between coast and sea
356.	H2020 research	SIAM	Source Integration for Agriculture Management
357.	H2020 research	SIM4NEXUS	Sustainable Integrated Management FOR the NEXUS of water-land-food-energy-climate for a resource-efficient Europe
358.	H2020 research	SIMSEA	Scenario simulations of the changing Black Sea ecosystem
359.	FP7	SIRIUS	Sustainable Irrigation water management and River-basin governance: Implementing User-driven Services
360.	FP7	SIRRIMED	Sustainable use of irrigation water in the Mediterranean region
361.	H2020 research	SLIGHT GRANULATION	SLIGHT GRANULATION process reducing Water consumption in ceramic tiles industry
362.	H2020 research	SMART Fertigation	Subarea specific irrigation system for pivot- and linear fertigation techniques (SMART Fertigation)
363.	H2020 research	SMARTCIM	Smart interoperable electronic active valve, control eco-system and service to achieve superior building efficiency and user awareness
364.	H2020 research	SmartDesalt	Smart Pressure Vessel for water desalination with reverse osmosis membranes
365.	H2020 research	SMARTQUA	Advanced ICT Risk Assessment Tool to Increase Climate Resilience, Water-Use Efficiency and Environmental Sustainability of Agricultural Production
366.	H2020 research	SmartRAIN	SmartRAIN: an IoT-based solution for real time rain mapping
367.	ECO-INNOV	SMARTSTRIPPING	Emission-free Groundwater and Soil Remediation
368.	H2020 research	SmartTap	Real-Time Monitoring System for Water Quality
369.	LIFE+	SNOW-LIFE - Slag NO Waste	Innovative system for 100% recycling of white slag and for ZERO WASTE electric steel production



370.	LIFE+	SOL-BRINE	Development of an advanced innovative energy autonomous system for the treatment of brine from seawater desalination plants
371.	H2020 research	SPACE-O	Space Assisted Water Quality Forecasting Platform for Optimized Decision Making in Water Supply Services
372.	H2020 research	SPOTVIEW	Sustainable Processes and Optimized Technologies for Industrially Efficient Water Usage
373.	ECO-INNOV	SPRAY	Breakthrough Water Spray System for Front loading washing machines
374.	FP7	STAGES	Science and technology advancing governance of good environmental status
375.	FP7	STAR-FLOOD	STrengthening And Redesigning European FLOOD risk practices Towards appropriate and resilient flood risk governance arrangements
376.	H2020 research	StemSense	A precise irrigation sensor system to provide an accurate indication of water status in crops and deliver increased yields to farmers
377.	ECO-INNOV	STERILIS	Reduction of water and energy consumption in the food industry: innovative sterilisation equipment
378.	H2020 research	STERILISE	Safe sustainable reliable in-office processing of medical waste
379.	H2020 research	SUBSOL	bringing coastal SUBsurface water SOLutions to the market
380.	H2020 research	SunAqua18	Sustainable Desalination System
381.	FP7	SWITCH-ON	Sharing Water-related Information to Tackle Changes in the Hydrosphere-for Operational Needs
382.	H2020 research	SWOS	Satellite-based Wetland Observation Service
383.	FP7	SWUP-MED	Sustainable water use securing food production in dry areas of the Mediterranean region
384.	H2020 research	T2gE	Transition to the Green Economy
385.	H2020 research	TANNOV	Reuse of Olive Mill Wastewater for producing new antioxidant tanning chemicals
386.	H2020 research	TECOVAL	High Technology, Energy and Water saving integrated hydraulic control valve for all purpose with 40% reduction in head losses
387.	H2020 research	TRANSFORMER	Transformation of emerging contaminants in the aquatic environment. Fate of transformation products under multiple stress conditions
388.	FP7	TREAT&USE	Safe and efficient treatment and reuse of wastewater in agricultural production schemes
389.	H2020 research	TreatRec	Interdisciplinary concepts for municipal wastewater treatment and resource recovery. Tackling future challenges
390.	LIFE+	UFTEC	Substitution of conventional treatment of raw river water by ultrafiltration membrane technology
391.	H2020 research	Ugypsum	Up-cycling manufacturing waste from the composite industry
392.	H2020 research	ULISENS	Ultra Legionella Immunoanalysis System for Early Sensing
393.	H2020 research	UPCYCLINGTHEOCEANS	High quality clothes made from marine plastic litter
394.	H2020 research	Urban_Wins	Urban metabolism accounts for building Waste management Innovative Networks and Strategies
395.	H2020 research	URBANREC	New approaches for the valorisation of URBAN bulky waste into high added value RECYcled products
396.	H2020 research	UrBAN-WASTE	Urban strategies for Waste Management in Tourist Cities
397.	H2020 research	UVMWREACT	Design, fabrication and optimization of a novel integrated UV-microwave assisted catalytic reactor for the continuous flow treatment of wastewater
398.	H2020 research	VicInAqua	Integrated aquaculture based on sustainable water recirculating system for the Victoria Lake Basin (VicInAqua)
399.	H2020 research	VIGI-LEAK	A Smart Technology Trained for Preventing Leakages from Sewer Systems
400.	H2020 research	WADI	WADI
401.	FP7	WAHARA	Water Harvesting for Rainfed Africa: investing in dryland agriculture for



			growth and resilience
402.	LIFE+	WARBO	Water re-born - artificial recharge: innovative technologies for the sustainable management of water resources
403.	ECO-INNOV	WASATEX	Water Saving Processes for Textile Production
404.	H2020 research	WASCOP	Water Saving for Solar Concentrated Power
405.	FP7	WASSERMed	Water Availability and Security in Southern EuRoPe and the Mediterranean
406.	LIFE+	WASTE ON A DIET	Strategy to reduce waste, increase re-using and recycling, reduce incineration and storage, in a rural and urban area
407.	H2020 research	Waste to Resource	Commercialisation of WarwickFBR™ technology which can recycle Mixed Plastic Waste into a hydrocarbon product, the Plaxx™
408.	LIFE+	Waste2Bio	Development and demonstration of an innovative method for converting waste into bioethanol
409.	H2020 research	Waste4Think	Moving towards Life Cycle Thinking by integrating Advanced Waste Management Systems
410.	LIFE+	WASTE-LESS in CHIANTI	Waste Prevention and Reduction in the Chianti Territory
411.	LIFE+	WATACLIC	Water against climate change. Sustainable water management in urban areas
412.	H2020 research	Watecco	Water column profiler for quantification of photosynthesis and biomass of phytoplankton in natural and man made water bodies
413.	LIFE+	WATER	Strengthening the scientific foundation of water quality programs
414.	H2020 research	Water Coalitions	Water Coalitions: A Comparative Analysis of Agenda Implementation Strategies in Peru and Brazil through the Study of Basin Councils.
415.	H2020 research	WATER DROP	Droughts and Water Scarcity in the EU: Economic Impact, Adaptation, Policy Implications and Integrated Assessment Modelling
416.	H2020 research	WATER INCENT	Economic Instruments for Sustainable Water Management in Water Scarce and Drought Prone Irrigated Areas
417.	H2020 research	Water4Cities	Holistic Surface Water and Groundwater Management for Sustainable Cities
418.	H2020 research	Water4Food	Eco-friendly and scalable seawater desalination container to secure water supply for agriculture and food production in the Mediterranean area
419.	FP7	WATERBIOTHECH	Biotechnology for Africa's sustainable water supply
420.	FP7	WATERDISS2.0	Dissemination and uptake of FP water research results
421.	H2020 research	WATERGUARD	Safeguarding Water Distribution Systems from Contamination Threats using the SmartTap Platform
422.	H2020 research	WATERINNEU	Applying European market leadership to river basin networks and spreading of innovation on water ICT models, tools and data
423.	LIFE+	WaterRtoM	Water Research to Market - to speed-up the transfer of water related research outputs to better implement the Water directives
424.	H2020 research	WATERSPOUTT	Water - Sustainable Point-Of-Use Treatment Technologies
425.	H2020 research	WATIFY	Up-scaling, demonstration and first market application of Hydrokemos' patented technology as the most eco-efficient and cost-effective solution for nitrate polluted water treatment
426.	LIFE+	WATLIFE	Enhancement of Public Awareness of the Importance of Water for Life, its Protection and Sustainable Use in Accordance with the Water Framework Directive
427.	H2020 research	WATLY	An autonomous and mobile water treatment plant powered by solar energy
428.	LIFE+	WATOP	New tertiary waste water treatment for organic micro-pollutants PPCPs (Pharmaceutical and Personal Care Products).
429.	LIFE+	WEISS	The Water Emissions Inventory, a planning Support System aimed at reducing the pollution of water bodies
430.	ECO-INNOV	WETNET	Innovative in-pipe hot-tap insertion floW sEnsor plus smarT NETworks enable ecowise pervasive monitoring of water distribution grids
431.	FP7	WHATER	Water Harvesting Technologies Revisited: Potentials for Innovations,



			Improvements and Upscaling in Sub-Saharan Africa
432.	H2020 research	WHEY2VALUE	Whey2Value: Valorising waste whey into high-value products
433.	H2020 research	WIDEST	Water Innovation through Dissemination Exploitation of Smart Technologies
434.	LIFE+	WIZ	WaterIze spatial planning: encompass future drinkwater management conditions to adapt to climate change
435.	LIFE+	WSTORE2	Reconciling agriculture with environment through a new water governance in coastal and saline areas
436.	LIFE+	WW4ENVIRONMENT	Integrated approach to energy and climate changes changing
437.	LIFE+	WW-SIP	From Urban Wastewater Treatment Plant to Self Sustainable Integrated Platform for Wastewater
438.	H2020 research	ZEBCOM	Zero Emission Robot-Boat for Coastal and Inland Water Monitoring
439.	ENPI CBC Med	ZERO WASTE PRO	Promoting Zero Waste



ANNEX III. LIST OF FULLY MAPPED RESEARCH PROJECTS

(in grey the selected case studies)

	Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
1.	LIFE+	AG_UAS	Sustainable water management at regional scale through Airborne Remote Sensing based on Unmanned Aerial Systems (UAS)	National	Medium scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks	http://www.lifeaquas.es/es/proyecto-aguas
2.	H2020 research	algaPLUS	Upscale and optimisation of an olive wastewater treatment photobioreactor (PBR) coupled to algae biomass valorisation as biofertilizer and treated water reuse	National	Small scale	CROSS-CUTTING	Industrial Pollution, Water-Energy-Food Nexus	<i>Not available</i>
3.	H2020 research	AquaSHIELD	Protecting citizens against intentional drinking water contamination with a water quality firewall	National	Medium scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions	http://www.optisense.nl
4.	IPA-Adriatic	B.W.S	Building waste sustainability: new capacities for sustainable waste management	Sub-regional	Medium scale	H2020	Solid Waste Management	<i>Not available</i>
5.	FP7	BASE	Bottom-Up Climate Adaptation Strategies Towards a Sustainable Europe	European	Large scale	CROSS-CUTTING	Climate Change	http://base-adaptation.eu
6.	H2020 research	BEEP-WATER	Biosensor for Effective Environmental Protection through the on-site, automated monitoring of a large set of chemical contaminants in Water	National	Small scale	SWIM	Sustainable Options & Interventions	<i>Not available</i>



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
7. FP7	BEWATER	Making society an active participant in water adaptation to global change	Regional	Medium scale	SWIM	Decentralized Water Management & Growth, Environmental Integration	http://www.bewaterproject.eu/
8. H2020 research	BIWAS	Biological Water Alarm System for protection of urban drinking water infrastructure against CBRN threats	National	Small scale	SWIM	Sustainable Options & Interventions	<i>Not available</i>
9. H2020 research	BlueSCities	Blueprints for Smart Cities: Developing the methodology for a coordinated approach to the integration of the water and waste sectors within the EIP Smart Cities and Communities	European	Small scale	H2020, SWIM	Solid Waste Management, Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions	http://cordis.europa.eu/project/rcn/193904_en.html
10 LIFE+	CITYWATER	Benchmarking water protection in cities	Regional	Medium scale	SWIM	Sustainable Options & Interventions, Regulatory & Legal Frameworks	http://www.citywater.fi
11 FP7	CLEANSEA	Towards a Clean, Litter-Free European Marine Environment through Scientific Evidence, Innovative Tools and Good Governance	European	Large scale	H2020	Marine Litter	http://www.cleaneasea-project.eu/drupal/index.php
12 FP7	CLIMSAVE	Climate change integrated assessment methodology for cross-sectoral adaptation and vulnerability in Europe	European	Medium scale	CROSS-CUTTING	Green Economy, Climate Change	http://www.climsave.eu/climsave/index.html



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
13 FP7	COMMON SENSE	Cost-effective sensors, interoperable with international existing ocean observing systems, to meet EU policies requirements	European	Medium scale	CROSS-CUTTING	Industrial Pollution, Hazardous Waste, Marine Litter, Environmental Integration, Regulatory & Legal Frameworks	http://www.commonsenseproject.eu/
14 FP7	CONSIDER	Civil society organisations in designing research governance	European	Medium scale	HORIZONTAL	Stakeholders' Engagement	http://www.consider-project.eu/
15 FP7	CREEA	Compiling and refining environmental and economic accounts	European	Medium scale	CROSS-CUTTING	Regulatory & Legal Frameworks	http://www.creea.eu/
16 IPA-Adriatic	DeFishGear	Derelict Fishing Gear Management System in the Adriatic Region	Sub-regional	Large scale	H2020	Marine Litter, Solid Waste Management	www.defishgear.net
17 FP7	DROUGHT-R&SPI	Fostering European Drought Research and Science-Policy Interfacing	European	Medium scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks	http://www.eu-drought.org/
18 FP7	ECO-PRO	Professional promotion of eco-innovative research results through a new media integrated platform for SMEs, research and the public	European	Medium scale	CROSS-CUTTING	Environmental Integration	<i>Not available</i>
19 LIFE+	ELINA	Integrated Green Life-Cycle Management of Waste Oils and Residues	National	Medium scale	CROSS-CUTTING, H2020	Industrial Pollution, Green Economy	http://elina.org.gr/
20 LIFE+	ENERGY-WASTE	Energy exploitation of non-recyclable urban waste in a sustainable waste-to-energy market	National	Medium scale	H2020	Solid Waste Management	http://www.energYWaste.gr



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
21 FP7	ENORASIS	ENvironmental Optimization of IRrigAtion Management with the Combined uSe and Integration of High Precislon Satellite Data, Advanced Modeling, Process Control and Business Innovation	European	Medium scale	SWIM	Sustainable Options & Interventions	www.enorasis.eu
22 H2020 research	EO-FARM	EARTH OBSERVATION FARMING	European	Small scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions	Not available
23 FP7	EPI WATER	Evaluating Economic Policy Instruments for Sustainable Water Management in Europe	European	Medium scale	SWIM	Sustainable Options & Interventions	http://www.feem-project.net/epiwater/pages/download-public-deliv.html
24 FP7	FLOODPROBE	Technologies for the cost-effective Flood Protection of the Built Environment	European	Medium scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks	http://www.floodprobe.eu/
25 LIFE+	FoodWasteTreatment	Integrated process for a sustainable and cost effective food waste treatment	National	Medium scale	H2020	Solid Waste Management	http://www.foodwastelife.eu/
26 FP7	GAP 2	Bridging the gap between science, stakeholders and policy makers Phase 2: Integration of evidence-based knowledge and its application to science and management of fisheries and the marine environment	European	Large scale	HORIZONTAL	Stakeholders' Engagement	http://gap2.eu/



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
27 FP7	GENESIS	Groundwater and dependent ecosystems: New scientific basis on climate change and land-use impacts for the update of the EU Groundwater Directive	European	Large scale	CROSS-CUTTING	Environmental Integration, Climate Change	www.bioforsk.no/genesis
28 LIFE+	GISBLOOM	Participatory monitoring, forecasting, control and socio-economic impacts of eutrophication and algal blooms in river basins districts	National	Medium scale	SWIM	Decentralized Water Management & Growth, Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions	http://www.syke.fi/projects/gisbloom
29 H2020 research	GRen Desalination	GRen Desalination: A closed-loop technology for full recovery of water and raw materials from the wastewater effluent	National	Small scale	SWIM, CROSS-CUTTING	Sustainable Options & Interventions, Green Economy	http://cordis.europa.eu/result/rcn/186484_en.html
30 FP7	GREENXPO	Maintaining all Green and Ecoinnovation Results in a Living Portal	European	Medium scale	CROSS-CUTTING	Environmental Integration	www.greenxpo.eu
31 IPA-Adriatic	HAZADR	Strengthening common reaction capacity to fight sea pollution of oil, toxic and hazardous substances in the Adriatic Sea	Sub-regional	Medium scale	H2020	Industrial Pollution, Hazardous Waste	http://www.hazardr.eu
32 FP7	HIGHARCS	Highland aquatic resources conservation and sustainable development (in Asia)	Regional	Medium scale	CROSS-CUTTING	Decentralized Water Management & Growth, Water-Energy-Food Nexus	http://www.wraptoolkit.org
33 H2020 research	HW2000	Hydrowashr 2000	National	Small scale	SWIM	Sustainable Options & Interventions	http://hydrowashr.com



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
34 LIFE+	INHABIT	Local hydro-morphology, habitat and RBMPs: new measures to improve ecological quality in South European rivers and lakes	Regional	Medium scale	SWIM	Decentralized Water Management & Growth, Assessment of Water Resources' Vulnerability and Related Risks	http://www.life-inhabit.it
35 H2020 research	IPHYC-H2020	EU market research for an innovative algae based tertiary wastewater treatment system	National	Small scale	CROSS-CUTTING	Urban Wastewater, Green Economy	http://www.iphy.com
36 FP7	KNEU	Developing a Knowledge Network for EUropean expertise on biodiversity and ecosystem services to inform policy making economic sectors	European	Medium scale	HORIZON TAL	Stakeholders' Engagement	http://cordis.europa.eu/result/rcn/90626_en.html
37 FP7	KNOSSOS	KNOWledge from Science to SOcieties	European	Medium scale	HORIZON TAL	Stakeholders' Engagement, Capacity Building	http://www.unep.org/research4policy
38 FP7	KNOWSEAS	Knowledge-based Sustainable Management for Europe's Seas	European	Large scale	CROSS-CUTTING	Environmental Integration, ICZM - IWRM, Regulatory & Legal Frameworks, Climate Change	http://www.knowseas.com/
39 FP7	LAGOONS	Integrated water resources and coastal zone management in European lagoons in the context of climate change	European	Medium scale	CROSS-CUTTING	ICZM - IWRM	http://lagoons.biologyatua.net/
40 ECO-INNOV	LEAKCURE	Intervention for Curing Pipeline Leakage in Urban Water Mains	National	Medium scale	SWIM	Sustainable Options & Interventions	www.curapipe.com
41 LIFE+	LIFE LIVE-	Sustainable management of livestock waste for	European	Medium	H2020	Solid Waste Management	http://livewaste.org/index.php/e



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
	WASTE	the removal/recovery of nutrients		scale			n/
42 LIFE+	LIFE RECLAIM	Landfill mining pilot application for recovery of invaluable metals, materials, land and energy	National	Medium scale	H2020	Solid Waste Management	http://www.reclaim.gr
43 LIFE+	LIFE SANePLAN	Integrated Planning and Sustainable Management of Sanitation Infrastructures through innovative precision technology	Sub-regional	Medium scale	SWIM	Sustainable Options & Interventions	http://www.saneplan-life.eu
44 LIFE+	LIFE SMILE	Strategies for Marine Litter and Environmental prevention of sea pollution in coastal areas	National	Medium scale	H2020	Marine Litter	http://life-smile.eu/
45 LIFE+	LIFE WIRE	Water Cycle Efficiency Improvement by Boosting Industrial Water Reuse	National	Medium scale	SWIM, CROSS-CUTTING	Sustainable Options & Interventions, Urban Wastewater	http://www.life-wire.eu
46 LIFE+	LIFE-OFREA	Improving Water Reuse at the coastal areas by an advanced desalination process.	National	Small scale	SWIM	Sustainable Options & Interventions	http://www.life-ofrea.com
47 LIFE+	LOWaste	Local waste market for second life products	European	Medium scale	H2020	Solid Waste Management	http://www.lowaste.it/
48 ENPI CBC Med	MAPMED	MANagement of Port areas in the MEDiterranean sea basin	Regional	Medium scale	H2020	Industrial Pollution, Regulatory & Legal Frameworks	http://www.mapmed.eu/
49 FP7	MARLISCO	MARine Litter in Europe Seas: Social Awareness and CO-Responsibility	European	Medium scale	H2020	Marine Litter	www.marlisco.eu



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
50 FP7	MARSOL	Demonstrating Managed Aquifer Recharge as a Solution to Water Scarcity and Drought	European	Large scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions	www.marsol.eu
51 IPA-Adriatic	Med-IAMER	Integrated Actions to Mitigate Environmental Risks in the Mediterranean Sea	European	Small scale	H2020	Industrial Pollution, Solid Waste Management, Hazardous Waste, Marine Litter	http://medmaritimeprojects.eu.dv10.tildecms.com/section/med-iamer-redirect/outputs
52 FP7	MEDIATION	Methodology for Effective Decision-making on Impacts and Adaptation	European	Medium scale	CROSS-CUTTING	Climate Change	http://www.mediation-project.eu/
53 IPA-Adriatic	MedTrends	Future Trends in the Mediterranean Sea	Regional	Small scale	CROSS-CUTTING	Industrial Pollution, Solid Waste Management, Hazardous Waste, Marine Litter, Environmental Integration, Urban Wastewater, Green Economy	http://medmaritimeprojects.eu.dv10.tildecms.com/section/med-trends-redirect/outputs
54 FP7	NOVIWAM	Novel Integrated Water Management Systems for Southern European Regions	Sub-regional	Medium scale	SWIM	Ecosystem Approaches in IWRM	<i>Not available</i>
55 LIFE+	NOW	No more organic waste	National	Medium scale	H2020	Solid Waste Management	http://www.nowlife.eu/progetto.html



	Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
56	H2020 research	OC-Tech	Small business innovation research for Transport and Smart Cities Mobility	National	Small scale	H2020	Industrial Pollution	<i>Not available</i>
57	FP7	ODEMM	Options for Delivering Ecosystem-Based Marine Management	European	Medium scale	CROSS-CUTTING	Environmental Integration, Regulatory & Legal Frameworks	http://odemmm.com/content/home
58	FP7	PERSEUS	Policy-oriented marine Environmental Research in the Southern European Seas	European	Medium scale	H2020, CROSS-CUTTING	Industrial Pollution, Environmental Integration, Regulatory & Legal Frameworks	www.perseus-net.eu
59	LIFE+	PRISCA	Pilot project for scale re-use starting from bulky waste stream	National	Medium scale	H2020	Solid Waste Management	http://www.progettoprisca.eu/en/
60	ECO-INNOV	RAINSAFE	Safe Drinking Water from Harvested Rain Water	National	Medium scale	SWIM	Sustainable Options & Interventions	http://www.rainsafe.com/
61	LIFE+	REAGRITECH	REAGRITECH - Regeneration and reuse of runoff and drainage water in agricultural plots by combined natural water treatment systems	National	Medium scale	SWIM	Sustainable Options & Interventions	http://www.unesco.org/cosost.org/project/reagritech/
62	H2020 research	ReSpirA	Olive oil wastewater Reuse for the production and commercialisation of Spirulina Alga	National	Small scale	H2020, CROSS-CUTTING	Industrial Pollution, Water-Energy-Food Nexus	<i>Not available</i>
63	FP7	RECODE	Policy RECommendations for Open Access to Research Data in Europe	European	Medium scale	CROSS-CUTTING, HORIZON TAL	Environmental Integration, Stakeholders' Engagement	http://recodeproject.eu



	Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
64	LIFE+	RESTORE	RESTORE - Rivers: Engaging, Supporting and Transferring knOWledge for Restoration in Europe	European	Medium scale	SWIM	Decentralized Water Management & Growth, Ecosystem Approaches in IWRM	https://restorerivers.eu
65	LIFE+	ROEM-plus	High resolution AppROach for ManagEMENT of Surface Water EutroPhication in Rural areas of the DUero River BaSin	National	Medium scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks	http://www.roem-plus-life.eu
66	FP7	RRI TOOLS	RRI TOOLS, a project to foster Responsible Research and Innovation for society, with society	European	Large scale	HORIZON TAL	Stakeholders' Engagement	www.rri-tools.eu
67	H2020 research	Sea Litter Critters	Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth	National	Small scale	H2020	Marine Litter	<i>Not available</i>
68	FP7	SEAS ERA	Towards integrated European marine research strategy and programmes	European, Sub-regional	Medium scale	CROSS-CUTTING, HORIZON TAL	Environmental Integration, Stakeholders' Engagement	http://www.seas-era.eu
69	H2020 research	SEGU	SEwer inventory system to safeGUard waste water infrastructures	European	Small scale	CROSS-CUTTING	Urban Wastewater, Green Economy	http://cordis.europa.eu/result/rcn/192829_en.html
70	IPA-Adriatic	SHAPE	Shaping an Holistic Approach to Protect the Adriatic Environment: between coast and sea	Sub-regional	Medium scale	CROSS-CUTTING	Regulatory & Legal frameworks	http://www.shape-ipaproject.eu



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
71 FP7	SIRRIMED	Sustainable use of irrigation water in the Mediterranean region	Regional	Medium scale	SWIM	Sustainable Options & Interventions	http://www.sirri-med.eu/
72 H2020 research	SmartRAIN	SmartRAIN: an IoT-based solution for real time rain mapping	National	Small scale	SWIM, CROSS-CUTTING	Assessment of Water Resources' Vulnerability and Related Risks, Green Economy	http://cordis.europa.eu/result/rcn/195156_en.html
73 FP7	STAGES	Science and technology advancing governance of good environmental status	European	Medium scale	CROSS-CUTTING	Regulatory & Legal Frameworks	http://www.stagesproject.eu
74 FP7	STAR-FLOOD	STrengthening And Redesigning European FLOOD risk practices Towards appropriate and resilient flood risk governance arrangements	European	Large scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks	http://www.starflood.eu/
75 LIFE+	WARBO	Water re-born - artificial recharge: innovative technologies for the sustainable management of water resources	National	Medium scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions	http://www.warbo-life.eu/
76 FP7	WASSERMed	Water Availability and Security in Southern Europe and the Mediterranean	Regional	Medium scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks, Climate Change	http://wassermed.cmcc.it/
77 LIFE+	Waste2Bio	Development and demonstration of an innovative method for converting waste into bioethanol	National	Medium scale	H2020	Solid Waste Management	http://www.waste2bio.eu/



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
78 LIFE+	WASTE-LESS in CHIANTI	Waste Prevention and Reduction in the Chianti Territory	National	Medium scale	H2020	Solid Waste Management	http://www.wasteless-in-chianti.it/
79 H2020 research	WATER INCENT	Economic Instruments for Sustainable Water Management in Water Scarce and Drought Prone Irrigated Areas	Sub-regional	Small scale	SWIM, CROSS-CUTTING	Sustainable Options & Interventions, Water Valuation, Regulatory & Legal Frameworks	http://wateragora.eu/index.php/about/water-incent/
80 H2020 research	Water4Food	Eco-friendly and scalable seawater desalination container to secure water supply for agriculture and food production in the Mediterranean area	Regional	Small scale	SWIM, CROSS-CUTTING	Sustainable Options & Interventions, Water-Energy-Food Nexus	https://twitter.com/search?q=%23water4food
81 H2020 research	WATERINNEU	Applying European market leadership to river basin networks and spreading of innovation on water ICT models, tools and data	National	Small scale	SWIM, CROSS-CUTTING	Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions, Green Economy	http://www.waterinneu.org
82 LIFE+	WaterRtoM	Water Research to Market - to speed-up the transfer of water related research outputs to better implement the Water directives	European	Small scale	SWIM, CROSS-CUTTING	Decentralized Water Management & Growth, Green Economy	http://www.waterrtom.eu
83 LIFE+	WATLIFE	Enhancement of Public Awareness of the Importance of Water for Life, its Protection and Sustainable Use in Accordance with the Water Framework Directive	National	Medium scale	SWIM	Decentralized Water Management & Growth	Not available



	Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
84	LIFE+	WATOP	New tertiary waste water treatment for organic micro-pollutants PPCPs (Pharmaceutical and Personal Care Products).	National	Small scale	SWIM	Sustainable Options & Interventions	http://www.watop-life.eu
85	ECO-INNOV	WETNET	Innovative in-pipe hot-tap insertion flow sensor plus smart NETWORKs enable ecowise pervasive monitoring of water distribution grids	National	Small scale	SWIM	Sustainable Options & Interventions	http://www.wetnet.it
86	FP7	WHATER	Water Harvesting Technologies Revisited: Potentials for Innovations, Improvements and Upscaling in Sub-Saharan Africa	Sub-regional	Medium scale	SWIM	Sustainable Options & Interventions	http://whater.eu/
87	ENPI CBC Med	ZERO WASTE PRO	Promoting Zero Waste	Regional	Small scale	H2020	Solid Waste Management	http://www.zerowastepro.eu/
88	H2020 research	AquaSpace	Ecosystem Approach to making Space for Aquaculture	European	Medium scale	H2020	Assessment of Water Resources' Vulnerability and Related Risks, Ecosystem Approaches in IWRM	http://www.aquaspacespace-h2020.eu
89	H2020 research	FREEWAT	FREE and open source software tools for WATER resource management	European	Medium scale	SWIM	Assessment of Water Resources' Vulnerability and Related Risks, Sustainable Options & Interventions	http://www.freewat.eu
90	H2020 research	INNOVCITIES	Institutional Innovation for Adapting to Climate Change in Water Governance within Cities	European	Small scale	SWIM, CROSS-CUTTING	Decentralized Water Management & Growth, Regulatory & Legal Frameworks, Climate	http://www.innovcities.net



Funding source	Acronym	Full title	Geographical coverage	Budget size	Cluster of themes	Theme	Website
Change							
91 H2020 research	KINDRA	Knowledge Inventory for hydrogeology research	European	Medium scale	SWIM	Sustainable Options & Interventions	http://kindraproject.eu
92 LIFE+	LIFE RAMSES	Enhanced Reclaimed water quality through MainStream anaerobic treatment using Supported biomass growth	National	Medium scale	SWIM	Sustainable Options & Interventions	http://www.life-ramses.com
93 LIFE+	LIFE WaterLIFE	Delivery of the Water Framework Directive through collaborative action between civil society and the private sector	Regional	Medium scale	SWIM	Decentralized Water Management & Growth	http://waterlife.org.uk
94 LIFE+	MAC EAU	Reducing Consumption of Drinking Water: Implementation and Evaluation of Integrated Measures in Gironde (France)	National	Medium scale	SWIM	Sustainable Options & Interventions	www.jeconomieau.org
95 FP7	SWITCH-ON	Sharing Water-related Information to Tackle Changes in the Hydrosphere-for Operational Needs	European	Large scale	SWIM	Decentralized Water Management & Growth	http://www.water-switch-on.eu/



ANNEX IV. LIST OF RESEARCH PROJECTS MAPPED IN THE 2018 UPDATE

	Funding source	Acronym	Full title
1.	Interreg	2imprezs	Project to implement energy saving methods and programme for energy-efficient and nearly zero-energy schools.
2.	Interreg	4KET4Reuse	KET for treated wastewater reuse in water scarcity SUDOE regions
3.	Interreg	A2E	A2E
4.	Interreg	ABS – Network	Aluminium Building Skins – Energy Active Facades Network
5.	Interreg	ACE-Retrofitting	Accelerating Condominium Energy Retrofitting
6.	Interreg	ADAPT	Assisting the adaptation to climate change of urban systems in the cross-border space
7.	Interreg	Adapt Northern Heritage	ADAPTing NORTHERN cultural HERITAGE to the environmental impacts of climate change and associated natural hazards through community engagement and informed conservation planning
8.	Interreg	AIR TRITIA	Uniform approach to the air pollution management system for functional urban areas in Tritia region
9.	Interreg	Algenetics	Joint Czech-Austrian Centre for Algae biotechnology
10.	Interreg	AIRTHINGS	Fostering resource efficiency and climate change resilience through community based Air Quality Internet of Things
11.	Interreg	ALFFA	Comprehensive (scale-spreading) analysis of the influencing factors and their effect on the fish fauna in the inner-alpine area
12.	Interreg	ALIEM	Action to limit the spread of invasive species introduced into the Mediterranean
13.	Interreg	AMIIGA	Integrated Approach to Management of Groundwater quality In functional urban Areas
14.	Interreg	APPROVE	Advancing Public Participation and stakeholder engagement for the improvement of renewable Energy policies
15.	Interreg	AQUARES	Water reuse policies advancement for resource efficient European regions
16.	Interreg	BalkanROAD	Towards farms with zero carbon-, waste- and water-footprint. Roadmap for sustainable management strategies for Balkan agricultural sector
17.	Interreg	BATSECO-BOAT	Best Available Technologies of Sewage Collecting for Boat Tourism
18.	Interreg	Benefit As you Save	Stimulating citizens participation to recycle processes through the implementation of benefits systems
19.	Interreg	BIO4ECO	Sustainable regional bioenergy policies: a game changer
20.	Interreg	BIOVIRTINC	Cross Border virtual incubator for promoting employment on bio agriculture, bio products processing and connected services
21.	Interreg	BLASTIC	Plastic waste pathways into the Baltic Sea
22.	Interreg	BUILD2LC	Boosting low carbon innovative building rehabilitation in European regions
23.	Interreg	BLUEGRASS	Promoting a green agri-food industry through the introduction of aquaponic
24.	Interreg	CAN	Climate Active Neighbourhoods
25.	Interreg	CASCO	Carbon Smart Communities
26.	Interreg	CANAPE	Creating A New Approach to Peatland Ecosystems
27.	Interreg	CARBON2VALUE	Development and demonstration of low CARBON technologies to transform CO ₂ and CO streams from the steel industry into new VALUE chain
28.	Interreg	CircE	European regions toward Circular Economy
29.	Interreg	Circular Ocean	Circular Ocean
30.	Interreg	CLEAN	Technologies and open innovation for low-carbon regions



31	Interreg	CO2 voor energieopslag (EnOp)	CO2 voor energieopslag (EnOp)
32	Interreg	COCOON	Consortium for a Coherent European Landfill Management Strategy
33	Interreg	COMITO	The wastewater treatment plant in interaction with the waste and energy industry: A German-Austrian Dialogue
34	Interreg	COALESCCE	Community owned and led energy for security climate change and employment
35	Interreg	CONDEREFF	Construction & demolition waste management policies for improved resource efficiency
36	Interreg	DOC2C's	DOC2C's: Innovative technologies for DOC removal in drinking water treatment
37	Interreg	DOMUS_CW	Optimization of decentralized domestic wastewater treatment and sanitation via Constructed Wetlands
38	Interreg	DTP-PAC1-PA04	PA 04 Water Quality
39	Interreg	ENERSELVES	Policy instruments for energy self-consumption in buildings
40	Interreg	ERMES-Rhin	Developments in water resources and monitoring of groundwater in the Upper Rhine region
41	Interreg	F2AGRI-effluent to agriculture	F2AGRI-effluent to agriculture
42	H2020	FAIRWAY	Protecting drinking water from farm pollutants
43	Interreg	ASCENT	Apply Skills And Conserve Our Environment With New Tools
44	Interreg	BIOWASTE	Utilising Pay As You Throw Systems and Autonomous Composting Units for Biowastes Management in Touristic Areas
45	Interreg	CitiEnGov	Cities for a Good Energy Governance
46	Interreg	CLIMATE	Collaborative Learning Initiative Managing and Adapting to The Environment
47	Interreg	ENDURE	ENSuring DUne REsilience against Climate Change
48	Interreg	EMPOWER	More carbon reduction by dynamically monitoring energy efficiency
49	Interreg	GoAPPLY	Multidimensional governance of climate change adaptation in policy making and practice
50	Interreg	GREENCYCLE	Introducing circular economy system to Alpine Space to achieve low-carbon targets
51	Interreg	HEAWATER	Achieving healthier water quality in urban small rivers of the Baltic Sea catchment by restoration of water bodies and preventing of nutrients and hazardous substances inflow from watersheds.
52	Interreg	GreenerSites	Environmental Rehabilitation of brownfield Sites in central Europe
53	Interreg	IMPAKT!	IMPAKT!
54	Interreg	IMPROVED	IMPROVED
55	Interreg	iWATERMAP	Water Technology Innovation Roadmaps
56	Interreg	WIN POL	Waste Management Intelligent Systems and Policies
57	Interreg	ZEROCO2	Promotion of near zero CO2 emission buildings due to energy use
58	Interreg	WaterCoG	Water Co-Governance for sustainable ecosystems
59	Interreg	WATenERgy CYCLE	Urban water full cycle: from its source to its end-users and back to the environment
60	Interreg	SWAN	A digital Solid Waste reuse plAtform for Balkan
61	Interreg	SUPPORT	Support Local Governments in Low Carbon Strategies
62	Interreg	SustainBaltic	ICZM Plans for Sustaining Coastal and Marine Human-ecological Networks in the Baltic Region
63	Interreg	SOLEZ	Smart Solutions supporting Low Emission Zones and other low-carbon mobility policies in EU cities
64	Interreg	SI-MUR-AT	Ecological and sustainable agriculture in accordance to a contemporary water management
65	Interreg	SalFar	Saline Farming - Innovative agriculture to protect the environment and stimulate economic growth
66	Interreg	REEF 2W	Increased renewable energy and energy efficiency by integrating, combining and empowering urban wastewater and organic waste management systems



67	Interreg	PORTODIMARE	geoPORTal of TOols & Data for sustalnable Management of coAstal and maRine Environment
68	Interreg	PROLINE-CE	Efficient Practices of Land Use Management Integrating Water Resources Protection and Non-structural Flood Mitigation Experiences
69	Interreg	PEACE_Alps	Pooling Energy ACtion plans and Enhancing their implementation in the Alps
70	Interreg	Open landscape	Conservation of biodiversity in open wetland habitats of the LV-LT cross-border region applying urgent and long-term management measures
71	Interreg	NEREUS	New Energy and REsources from Urban Sanitation
72	Interreg	MELTEMI	MarinE litter transnational LegislaTion EnhanceMent and Improvement
73	LIFE+	VACUUMS	Various assessment of air quality measurement methods and their policy support
74	LIFE+	RAPID LIFE	Holistic management of Invasive Alien Species in freshwater aquatic, riparian and coastal ecosystem
75	LIFE+	LIFE SPARC	Space for Adapting the River Scheldt to Climate Change
76	LIFE+	LIFE AMDRYC4	Climate Change adaptation of dryland agricultural systems in the Mediterranean area
77	LIFE+	LIFE ADAPTATE	Common methodology for the development of Sustainable Energy and Climate Action Plans in European municipalities
78	LIFE+	LIFE-MICACC	Municipalities as integrators and coordinators in adaptation to climate change
79	LIFE+	LIFE WASTE2BIOFUEL	Demonstration of Integrated Technologies to transform Biowaste from MSW into 2G Biofuels
80	LIFE+	LIFE Climate CAKE PL	System of providing and disseminating information in order to support the strategic implementation of climate policy
81	LIFE+	GRIP on LIFE-IP	Using functional water & wetland ecosystems and their services as a model for improving green infrastructure and implementing PAF in Sweden
82	LIFE+	LIFE RECYPACK	Circular economy of commercial plastic packaging in urban environments - LIFE RECYPACK
83	LIFE+	LIFE-DRY4GAS	Waste Water sludge solar DRYing FOR energy recovery through gasification GAS
84	LIFE+	LIFE B2E4sustainable	WWTP - New concept for energy self-sustainable wastewater treatment process and biosolids management
85	LIFE+	LIFE DeNTreat	Decentralized innovative treatment of ammonium-rich urban wastewater
86	H2020	D-NOSES	Distributed Network for Odour Sensing, Empowerment and Sustainability
87	Interreg	2imprezs	Project to implement energy saving methods and programme for energy-efficient and nearly zero-energy schools.

