



## ENERWATER

Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants

### D6.1 Dissemination & exploitation plan

#### Acknowledgements & Disclaimer:

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## 1 Scope of the document

In the present deliverable we present our progress on the next tasks:

### T6.1.1 Exploitation Plan

It contains all the activities and efforts dedicated to identify and to protect the results of the project (publishable and commercially exploitable). The exploitation manager –AENOR is in charge of coordinating these efforts. The exploitation plan will be updated during the project.

### T6.1.2 Dissemination Plan

It contains all the activities and efforts dedicated to achieve a high and wide participation in the activities of the project with the objective to accomplish a wide agreement of the methodology. The dissemination manager –WSC- is in charge of coordinating these efforts. It will be updated during the project.

## 2 Exploitation Plan

### 2.1 Identification of exploitable results

The main exploitable result of the coordinated action will be the methodology, which will be suitably assessed and tested in real case scenarios. Other exploitable results include: an automated tool reflecting the developed methodology, an energy benchmarking database, a guideline document on water treatment technologies and best practices for energy efficiency.

Therefore results in chronological order and in relation to the project objectives are shown next:

- 1 Benchmarking database. D2.5.
- 2 Main result. **ENERWATER** methodology. D3.4
- 3 Online method. An online web application that automatizes the methodology. D3.6
- 4 Guideline on water treatment technologies and best practices for energy efficiency. D5.5

Del. no.	Deliverable title	Deliverable description	WP no.	Leader	Type	Dissemination level	Delivery date
2.5	Benchmark Database	With the objective to create reference data one online database will be published. Typical data to be shown are: description of the WWTPs, type of technology, influent/ effluent analysis results, flow, annual base consumption and others.	2	WSC	OTHER	PU	12
D3.4	Enerwater methodology document V3	Final version of the document. This version contains the modifications agreed on stakeholder workshop D5.3	3	CU	R	PU	27
D3.6	Online Method V2	Based on D3.4, a revised web application will be published online.	3	WSC	OTHER	CO	27
D5.5	Guidelines: Best practices & technologies	Document addressing: i) best available technologies. Including manufacturers and local providers; ii) Guide to financial schemes.	9	AV	R	PU	36

## 2.2 Identification of main users

The main target audience of the **ENERWATER** project are: water utilities, water authorities, municipalities, WWTP constructors, equipment manufacturers, energy consultants & auditors, ESCOs, EU policy makers, etc. Their opinion will be gathered and many of them invited to the standardisation meetings celebrated. They will be reached for dissemination through the contact networks to be prepared in WP5. The methodology will be published and, together with the best practices and technologies guidelines, will increase the skills of hundreds of people working in this sector in Europe and the competitiveness of water companies and new businesses such as ESCOs.

### 2.2.1 Water utilities and WWTP operators

Utility managers understand better than no one the importance of monitoring energy consumption and they can contribute to a large extent in setting how energy efficiency can be measured. Facility managers must demonstrate real commitment to energy improvements. They must be able to communicate with and delegate responsibility to operators throughout the utility and ensure their contributions are properly recognized.

### 2.2.2 Water authorities

Water authorities are responsible for regulating the sustainable water pricing, planning and monitoring the public investments in the water services. As electricity use accounts for 25–40 percent of the operating budgets for wastewater utilities<sup>1</sup>, energy efficiency can definitely impact the water pricing and drive the market to the adoption of energy saving innovative technologies. Water authorities will be part of the **ENERWATER** stakeholder network and advice about interface with water pricing. In addition, water authorities will use the **ENERWATER** outcomes to prioritize the public investments in the water sector.

### 2.2.3 Local governments

A team with local government representation or input can also be beneficial to the creation of the **ENERWATER** methodology. Depending on the ownership structure of the water facility, the ability of the local governments to influence action differs. They can take a leading role in implementing the method and fostering energy efficiency initiatives in local government operations.

Local authorities, voluntarily or forced by a given regulation, can implement energy efficiency measures at water and wastewater utilities that can achieve a reduction of 11-30% their energy baseline. Since economic resources are limited, before carrying out any of these actions it is important to know if they are necessary. With this goal, local governments require utilities to determine their overall energy performance to understand energy use patterns. Identification of an energy baseline can lead to an implementation plan or another. Also, devising a method to regularly monitor the energy usage in the water and wastewater infrastructure will allow for continuous improvement. Finally, norms and regulations can have immediate impact on the energy performance of any sector; such is the case of outdoor lighting, home appliances and buildings.

States and local governments must establish and apply minimum energy performance requirements for new and existing WWTPs, ensure the conformity assessment of energy performance and require the regular inspection of the most energy-consuming systems.

To this aim, they must amend existing regulations for public water and wastewater systems to include energy considerations in WWTP procurement and improvements. Following the release of the **ENERWATER** method, municipalities and state members will be able to include energy considerations in a standardised manner in the required public procurement project. Also **ENERWATER** addresses the need for clear definitions of water-sector boundaries and greater standardisation

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<sup>1</sup> U.S. EPA 2013. LOCAL GOVERNMENT CLIMATE AND ENERGY STRATEGY GUIDES. Energy Efficiency in Water and Wastewater Facilities: A Guide to Developing and Implementing Greenhouse Gas Reduction Programs.

#### 2.2.4 WWTP constructors

Constructors can refer to the method to advance an estimated energy performance of their proposed project, in this way clients can introduce energy considerations in WWTPs procurement and improvement contracts. The performance figure can be checked after WWTPs completion to check compliance with the terms and conditions of the contract.

#### 2.2.5 Equipment manufacturers

The method will establish how to calculate the energy performance for the most energy consuming pieces of equipment e.g. blowers & pumps. Manufacturers will have to refer to the method to make more efficient equipment and to become more competitive.

#### 2.2.6 Energy Consultants & ESCOs

Energy consultants and ESCOs help facility managers to improve the overall consumption of the infrastructure. Their services are often remunerated in relation to the saving achieved. A reliable method to establish the baseline consumption is needed as the previous or historical monthly consumption is not a trustable indicator: many parameters can suddenly change, which would increase the consumption, thereby making the new adopted actions appear as useless: influent composition and flowrate, environmental temperature, toxic event, etc. Consultants and ESCOs need a clear energy rating method to quantify their improvement and avoid misunderstandings.

Energy Performance Contracting and the ESCO model are widely promulgated as providing a solution to overcoming traditional market barriers for the deployment of energy efficiency technologies and techniques, but these models in turn face barriers of credibility, trust and objectivity. Crucially, Energy Performance Contracting requires robust and reliable measurements of energy savings attributable to specific measures or to a suite of measures.

It is for these difficulties that it is necessary to agree tools to facilitate the assessment of the energy performance of WWTPs.

#### 2.2.7 Energy Auditors/Managers

The **ENERWATER** methodology is expected to be followed to audit and certify WWTPs by an accredited company. In several cases it is interesting an external label: in those cases were the municipality needs to clarify the contract between them and the exploitation company, when energy objectives are set and want to be checked against the norm, to assure the correct performance of a newly constructed WWTPs or a remodelled one, and to evaluate the effectiveness of an energy improvement project. In many occasions labels are also a question of prestige and reputation and a warranty of proper operation. In other cases (e.g. Italy) the energy audit of main energy-consuming WWTPs is required by the national laws (e.g. Decree 102/2014) to accomplish the EU directive 2012/27.

**ENERWATER** method will encourage energy savings through the better acknowledgement of energy expense, by facilitating the comparison of similar plants and by providing guidelines with best practices and technologies and information on ESCO services. It is envisaged that **ENERWATER** will foster the renovation of equipment such as blowers, pumps, sensors but also will foster the adoption of energy recovery and energy generation technologies

**ENERWATER** will offer a readily accessible document and instruments (web app and benchmark database) to all auditors, consultants, WWTPs owners, WWTPs designers, equipment manufacturers and all stakeholders with an interest on energy efficiency in the sector.

#### 2.2.8 Energy monitoring system developers

**ENERWATER** will increase the interest towards energy monitoring in the sector. Other energy monitoring systems providers will be able to adapt their existing softwares and systems to the **ENERWATER** methodology for calculating the energy performance. It is envisaged that **ENERWATER** will contribute to

establish online energy monitoring and the continuous evaluation of the energy performance like a standard procedure within the industry.

### 2.3 Protection of the results

Exploitable result	Description of the protection method
Benchmark Database	<p>The energy-data within the database will be offered as “open source data”, this means, the data within will be made publicly available and it shall be of free use to anyone.</p> <p>Regarding the web application itself (not the data within) will be created by WSC and WSC shall retain its property and IP rights. WSC shall keep the domain available to global-free-access at least 2 years after the end of the project.</p>
Enerwater methodology document	<p>The method will be made publicly available so it is not needed its protection. It is well known that commercial results are commonly protected through patents or copyright but this is not the case of the ENERWATER methodology, on the contrary everyone shall be allowed to use it without permission of any kind and this shall be sought and promoted.</p> <p>The partners of the consortium will be regarded as the authors of the document and shall have permission to take credit for this in articles or publications.</p> <p><b>Standard document:</b> If the methodology is finally included in a standardization document, its distribution will be responsibility of the National Standardization Bodies (NSB) members of CEN and CENELEC. Consequently, CEN and CENELEC has entrusted these NSB with the protection of their copyright interests, each in their respective territories.</p> <p>All standardization documents are publicly available documents, which may be purchased from NSBs for a reasonable fee, protected by copyright and associated exploitation rights. Therefore, any reproduction, distribution, resale or communication of standards in any medium, is not allowed without the formal written authorization from the NSB where the normative document was purchased.</p>
Online Method	<p>As in the benchmarking database, the online method will be offered as a global-free-service for at least 2 years after the end of the project..</p> <p>The energy-data within will be property of the user-generator of it. For control every user will create a profile before entering the data. And the user shall decide if they want to publish it or not, if yes, their data will feed the “benchmark database”..</p> <p>Regarding the web application itself (not the data within) will be created by WSC and WSC shall retain its property and IP rights including the domain <a href="http://www.enerwater.eu">www.enerwater.eu</a></p>
Guidelines: Best practices & technologies	<p>The partners of the consortium will be regarded as the authors of the document and shall have permission to take credit for this in articles or publications.</p> <p>The document shall be protected under copyright and it will be permitted the copy of it or any part of it under the only condition to reference the document and authors.</p>

## 2.4 Exploitation Plan for partners in the project

### 2.4.1 Exploitation Plan for Universities (USC, UNIVR, CUAS, CU)

Exploitable result	Description of the exploitation
Benchmark Database	<p>Universities will exploit the database to compare the energy-efficiency potential of the innovative technologies and processes investigated within R&amp;D projects.</p> <p>Universities will exploit the database for teaching and training purposes of a variety of master students as well as creating case studies for continuing professional development courses. Furthermore PhD students can use the database for developing businesses cases.</p> <p>After the project the universities will update the database with the data available from own and external demonstration projects, so as to have a base to address effective future research activities</p>
Enerwater methodology document	<p>The universities will exploit the EnerWater methodology document for calculating and verifying the energy-efficiency potential of the innovative technologies and processes investigated within R&amp;D projects</p> <p>Also for teaching purposes and water-professional training.</p> <p>UNIVR will also propose this methodology to carry out the energy audit required by the Italian national law 102/2014.</p>
Online Method	<p>Universities will exploit the on-line method to assist the energy audit of the municipal wastewater treatment plants in their influence area with special reference to the ones where upgrading by innovative technologies/processes is planned. The information collected can also lead to further developments on green house gas emissions related with electricity utilisation.</p>
Guidelines: Best practices & technologies	<p>Universities will exploit the ENERWATER best practices and technologies document to improve on current practices, which are non-uniform and scattered, towards a well justified and practical approach. Lessons learned will also be used for teaching purposes and water- continuing professional development courses.</p>

### 2.4.2 Exploitation Plan for WSC

Exploitable result	Description of the exploitation
Benchmark Database	<p>WSC will create the web application of the Benchmark database and will retain its property rights. WSC shall keep the domain available to global-free-access at least 2 years after the end of the project. After that WSC will study the possibility of continuation with the service. Maintenance costs (mainly hosting and updating) will have to be covered through two main different options: 1) advertisement of commercial brands, ESCOs, etc. or 2) search of public funds. No large economic benefits are expected by the provision of this online service.</p>

Enerwater methodology document	WSC will make use of the methodology document to improve their energy management tool WeSave. WSC will follow the methodology to create appropriate KPI's. WeSave will capture real time data from electric and water meters, in conjunction with manual inputs that relates to lab results and will show the standardized KPI's. This is understood as an advantage as it allows a comparison among WWTPs (energy benchmarking) and a better understanding of the energy performance of the WWTP.
Online Method	WSC shall keep the domain available to global-free-access at least 2 years after the end of the project. After that WSC will study the possibility of continuation with the service. Maintenance costs (mainly hosting and updating) will have to be covered through two main different options: 1) advertisement of commercial brands, ESCOs, etc. or 2) search of public funds. No large economic benefits are expected by the provision of this online service.
Guidelines: Best practices & technologies	WSC will make the document publicly available on the ENERWATER website. WSC will not exploit this result other than offering it to their customers under no cost and taking credit for its creation which should bring an increase of its reputation within the sector.

### 2.4.3 Exploitation Plan for AENOR

Exploitable result	
Benchmark Database	AENOR will not exploit this result as the potential users of this database are not clients of its core business.
Enerwater methodology document	AENOR will manage the integration of the methodology into the European standardization system which will boost its impact and exploitation in the European market.  In case it is finally published, AENOR, as member of CEN and CENELEC, will make publicly available the normative document which includes the proposed standardized methodology, while protecting the copyright interests according to the Policy on dissemination, sales and copyright of CEN-CENELEC Publications.
Online Method	AENOR will not exploit this result as the potential users of this tool are not part of its customers.
Guidelines: Best practices & technologies	As it is planned this document will be independently freely distributed, AENOR will not exploit it beyond contributing to its spreading.

### 2.4.4 Exploitation Plan for WWTP Operators (ETRA, AV, EYD)

Exploitable result	
Benchmark Database	WWTP operators will exploit the database to assess the energy-efficiency level of all its WWTPs. After the project WWTP operators will update the database with the



	data available from own revamped/upgraded WWTPs
Enerwater methodology document	WWTP operators will exploit the EnerWater methodology document for periodical auditing of own WWTPs.  ETRA will also exploit this methodology to carry out the energy audit required by the Italian national law 102/2014. As ETRA is even a waste utility, ETRA will consider the methodology as basis for a methodology of energy audit for municipal waste treatment plant.
Online Method	WWTP operators will exploit the on-line method for the energy audit of its own municipal wastewater treatment plants
Guidelines: Best practices & technologies	WWTP operators will exploit the EnerWater best practices and technologies document for guiding internal water professionals in planning and implementing actions for energy efficiency

### 3 Dissemination plan

The **ENERWATER** project plays a major role on energy use and waste water’s quality and safety, it has the ambition to raise awareness and share knowledge of the importance and benefits of energy monitorization in real-time among the operators, authorities and water companies, to offer a valuable tool to help managers through the overall process of energy improvement of a WWTP.

The project includes the exploitation and dissemination activities in a specific Work package; “WP6 Communication and dissemination”.

The next dissemination actions are envisaged:

- 1 **General dissemination:** In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
- 2 **Networking activities with Waste Water Stakeholders.** The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors: We will continue relationships with new projects that want to establish links with our project results.
- 3 **Organization of a Stakeholder Workshop.** After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.
- 4 **Networking activities with Standardisation Stakeholders.** The consortium will perform networking with other standardisation groups of similar topics like energy.
- 5 **Standardisation proposal development.** Taking into account existing standards within the project helps to guarantee that the result will respect existing standards and have a better market application. Moreover, promote the developed methodology to be included into future standards can provide market validation and facilitate its market uptake. Standardisation activities in **ENERWATER** are considered as a valuable tool for the exploitation of the project outcomes, by facilitating a future wide use and reducing market acceptance risks.
- 6 **Preparation of papers.** Preparation of papers for international conferences, articles for national journals, newsletters for end users and network. In particular a review on the energy use on the water sector is expected by the end of the first year (related to D2.1 and D2.2) as well as a summary of the lessons learnt from each other after the finalisation of the project.
- 7 **Dissemination materials.** Development of material for use in national/international follow-up presentations of project progress and results.
- 8 **Conferences and events:** The academics and professionals involved in this project will disseminate the results during conferences, events and workshops, such as the international conferences organised by the International Water Association (IWA) or the Nexus conferences. In fact, ENERWATER partners have also coordinating roles (i.e. chairs of specialist or working IWA groups)

within IWA. Targeting the audience of wastewater and energy industries and practitioners, the on-going results of the project will be disseminated in Italy in the ECOMONDO<sup>2</sup> international fair, the largest Italian fair on green technologies where the University of Verona is part of the scientific committee.

- 9 All partners' web-sites will promote the **ENERWATER** project.
- 10 **Official Website:** [www.enerwater.eu](http://www.enerwater.eu) **ENERWATER's** website will be maintained and regularly updated at least two years after the end of the project.
  - o Present the project and its structure.
  - o Present the Consortium of the project.
  - o Introduce the objectives, documents and public deliverables.
  - o Make available electronically public documents and publications
  - o Inform about relevant events.
  - o Offer contact point.
  - o Provide partners-protected-area, which provide further internal communication.
- 11 A **press release** about the project will be done during the first 12 months of the project. (D6.1)
- 12 A **promotional video** will be delivered on M23 when we are in position to show the first implementations of the ENERWATER methodology operating in real case situations. The production of the video will be subcontracted.

The **Dissemination Manager** will be responsible for the coordination of the dissemination of the project results and will elaborate the dissemination plan in cooperation with the Project Coordination Committee.

### 3.1.1 b) Communication activities

Considering the high potential impact of the **ENERWATER** project in the water sector, the project will focus strongly on communication activities and promotion of the project, providing constant and detailed information on the activities of the Consortium and the results achieved. So the results will be disseminated through national and trans-national initiatives. Also dissemination events open to wide audiences will be promoted stressing the advantages obtainable by the water sector through the utilisation of the system.

Interaction with the standardisation system constitutes an efficient and fast information and knowledge transfer structure. The bidirectional implication of correspondent technical committees at international, European and national levels allows any information provided to reach an immediate widespread dissemination. Furthermore, this dissemination is focused to the interested stakeholders in every country, providing a high and mean visibility to the project itself and its outcomes.

A second aspect of the contribution of standardisation to dissemination of the project and the project results is to be considered at a longer term. If the results of the project are included in future standards, they will be available and ready for use to all the potential users across the European market.

Results will be disseminated within the water sector but more specifically:

- ❖ European Water authorities and regulators.
  - 1 Public and private water utilities.
  - 2 Local authorities owning WWTPs.
  - 3 Water Associations members of Eureau (European Federation)<sup>3</sup>. For example: Water UK, Fédération Professionnelle des Entreprises de l'Eau (France), County and City Managers' Association (Ireland), Asociación Española de Abastecimientos de Agua y Saneamiento (Spain), Bundesverband der Energie- und Wasserwirtschaft e.V. (Germany), Federutility/ Utilitalia (Italy) and others.
  - 4 Water and/or energy related magazines and journals. E.g. Water Research, Water Science & Technology, Energy, Energy Policy and others.

<sup>2</sup> [www.ecomondo.com](http://www.ecomondo.com)

<sup>3</sup> <http://eureau.org/members>

- 5 The International Water Association (IWA) Specialist Groups such as the "Benchmarking and Performance Assessment"<sup>4</sup> or the "Modelling and Integrated Assessment"<sup>5</sup>.
- 6 Other related projects participants.
- 7 WWTPs' constructors, equipment manufacturers, etc.
- 8 Energy consultants & ESCOs, energy auditors, energy companies

The Dissemination Manager will be responsible for the coordination of the dissemination stage of the project results and will elaborate the dissemination plan in cooperation with the Project Coordination Committee. The dissemination plan will be developed and updated throughout the lifetime of the project.

In the definition of the dissemination plan, several options will be evaluated depending on the different targeted audience.

	Scientific community	Water Industry	Administration & Policy	Society
Papers in SCI journals	X			
Papers in technical journals		X	X	
Status papers			X	
Leaflets		X	X	
Video clips		X	X	X
Press releases, news flashes	X	X	X	X
e-newsletter	X	X	X	
Website	X	X	X	X
Conferences	X	X		
Networks	X	X	X	
Workshops/international fairs		X	X	
Synergies with other projects	X	X	X	

In particular, ENERWATER will be present in several events during the next coming years and the following communication activities are programmed:

Date	Communication activity type	Description	Responsible
<b><u>CONFERENCES AND PROJECT EVENTS</u></b>			
Nov - 2015	Event: ECOMONDO 2016 – International Fair on the energy and material recovery and sustainable development ( <a href="http://www.ecomondo.com">www.ecomondo.com</a> ) <a href="#">PROGRAMME</a>	EnerWater partners will present to water professionals, utilities and industries: (1) the measures for energy saving adopted by the water utilities partners of EnerWater; (2) the EnerWater aims and objectives  06/11/2015 - 02:00 p.m. -05:00 p.m  Programme 14:00 Introduction	UNIVR

<sup>4</sup><http://www.iwahq.org/r6/communities/specialist-groups/list-of-groups/benchmarking-and-performance-assessment.html>

<sup>5</sup><http://www.iwahq.org/81/networks/specialist-groups/list-of-groups/systems-analysis.html>

		<p>The ENERWATER project (University of Santiago de Compostela, Spain)          Current need for standardization of energy efficiency in wastewater sector in EU (AENOR, Spain)          Benchmark in EU and energy efficiency in a German water utility (Aggerverband/Cologne University of Applied Sciences, Germany)          The ENERWATER method and energy efficiency in English wastewater treatment plants in Italy (Cranfield University, UK)</p> <p>The on-line tools to monitor and optimize energy efficiency in WWTP: current market and ENERWATER advances (Wellness Smart City, Spain)          Processes and systems to optimize energy efficiency in WWTPs (Università di Verona and ETRA SpA)</p> <p>Discussion and Closure          POSTER PRESENTATION</p>	
Nov-2015	Event: Smart City World Congress Barcelona ( <a href="http://www.smartcityexpo.com/">http://www.smartcityexpo.com/</a> )	Information of the project in company's stand: networking, poster & leaflets	WSC
May/June 2016	Event: IFAT Fair ( <a href="http://www.ifat.de/en">http://www.ifat.de/en</a> )	EnerWater partners and stakeholders will present the results of the project	CUAS + AV
June 2016	Event: IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a> ENERWATER event: D5.1 Waste Water Stakeholder Workshop	Stakeholders of the ENERWATER network will be invited to participate in the networking event D5.1 in month 13.	USC
July 2016	Event: 3 <sup>rd</sup> IWA Specialist Conference on EcoTechnologies for Sewage Treatment Plants – EcoSTP (web not available yet)	EnerWater partners and stakeholders will present the results of the project	CU
Oct – 2016	Event: H2O – ACCADUEO XIII INTERNATIONAL FAIR ON THE DRINKING AND WASTEWATER TREATMENT AND MANAGEMENT ( <a href="http://www.accadueo.com">www.accadueo.com</a> )	EnerWater partners and stakeholders will present the results of the project	ETRA
Nov-2016	Event: Smart City World Congress Barcelona ( <a href="http://www.smartcityexpo.com/">http://www.smartcityexpo.com/</a> )	Information of the project in company's stand: networking, poster & leaflets	WSC
Dic-2016	ENERWATER event: D5.3 Standardisation stakeholder workshop	the organization of a joint standardisation stakeholders workshop (with relevant TCs leaders and members, representatives from CEN and CENELEC, ISO and IEC, European policy makers, etc.).	AENOR
2017	Events to be defined		
<b><u>PRESS RELEASE and MASS MEDIA</u></b>			

July 2015	– Press release in FuturEnergy magazine DONE	Presentation of the project and its objectives	USC
2015	– Press release in own mass media, if available (journal, radio, tv canal, ...)	Presentation of the project and its objectives	<b>ALL</b>
2016	– AENOR magazine (digital and paper versions),	AENOR will publish some articles informing on the achievements of ENERWATER project.	AENOR
March 2018	– Press release in Acqua & Aria ( <a href="http://www.bema.it/Acqua_Aria.php">http://www.bema.it/Acqua_Aria.php</a> )	Presentation of the main results of the project	UNIVR
March 2018	– Press release in iAGUA magazine ( <a href="http://www.iagua.es/noticias/iagua-magazine">http://www.iagua.es/noticias/iagua-magazine</a> )	Presentation of the main results of the project	USC
March 2018	– Press release in own mass media, if available (journal, radio, tv canal, social networks, ...)	Presentation of the main results of the project	<b>ALL</b>
<b><i>DIVULGATIVE AND SCIENTIFIC PUBLICATIONS</i></b>			
No fixed dates	– Submission of papers to different journals (both for scientific and business audience) on the area of energy efficient, wastewater and normalization	Presentation of individual results achieved along the project	<b>Individual partners</b>
Sept 2015	– Submission of a initial review paper to an international journal	A review on the energy use on the wastewater sector	<b>ALL</b>
March 2018	– Submission of a final review paper to an international journal	Presentation of the main results and the lessons learnt from the project	<b>ALL</b>

All project publications in any media will include the proper acknowledgement to the European Commission.

IP will need to be identified and captured at critical stages of the project. The Exploitation Manager will log and capture IP as it emerges from the research work. The Exploitation manager in cooperation with the Project Coordination Committee will develop an appropriate Exploitation Plan which will be in full accordance with the Consortium Agreement that will be signed by all partners before the project starts. The Exploitation Plan will be continuously updated throughout the lifetime of the project.

A database of external stakeholders will be maintained by the project manager and contributed to by all partners. This database will be made available to all partners for training, dissemination or exploitation activities.



## 3.2 Dissemination Plan for partners in the project

### 3.2.1 Dissemination Plan for USC

Dissemination activity	Description of the dissemination
<b>1 General dissemination</b>	In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
<b>2 Networking activities with Waste Water Stakeholders.</b> The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors...	<b>Task 5.1: Network construction</b> A network will be established with other relevant projects, in order to involve potential organizations. USC will create an own cluster with at least 50 national and international stakeholders within their reach. USC will coordinate and to decide how to receive input: physical meetings, online, emails. The main purpose is to collate information and experiences on efficient waste water treatment solutions among research groups, WWTP builders and designers, water authorities, WWTP operators, ESCOS, equipment providers and other WWTP stakeholders.
<b>3 To join and to invite to their contacts to join the Stakeholder Group <a href="#">LINKEDIN GROUP</a></b>	USC will paste the next text in related LINKEDIN groups like for example IWA Working Group on Life Cycle Assessment (LCA) of Water and Wastewater Treatment or iAgua Profesionales. Gestión y conservación del agua... Title: "Join the ENERWATER stakeholder group for the optimisation of WWTP energy efficiency" Text: "ENERWATER "Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants" is a H2o2o funded project that aims to provide measuring tools to quantify the energy consumption of WWTPs and to elaborate the standards to compare and, ultimately, optimise the operation of WWTPs. The first public event will take place during the Ecomondo expo in Rimini (Italy) on Nov. 6 2015. D Workshops will be held in Spain, Italy, UK and Germany during 2016. Visit <a href="http://www.enerwater.eu">www.enerwater.eu</a> Or join our linkedin group <a href="http://www.linkedin.com/groups/ENERWATER-Project-8309883">www.linkedin.com/groups/ENERWATER-Project-8309883</a> "
<b>4 To participate in the <a href="#">discussions</a> group of LINKEDIN</b>	USC will participate in discussions groups of LinkedIn
<b>5 Organization of a Stakeholder Workshop.</b> After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.	Spanish partners to organize a workshop in Spain Still in discussion: Planned to be held in June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a> "Waste Water Stakeholder Workshop" D5.1.
<b>6 Networking activities with Standardisation Stakeholders.</b> The consortium will perform networking with other standardisation groups of similar topics like energy.	USC will participate and bring participants to a joint standardisation workshop for targeted stakeholders that is planned to be held in Brussels in December 2016 <b>Task 5.2 Standardisation Landscape.</b> USC will participate in the identification of relevant standardisation groups <b>Task 5.3 Standardisation Network.</b> USC will participate and bring participants to "Joint Standardisation Stakeholders Workshop" D5.3

<b>7 Standardisation proposal development.</b>	<b>Task 5.4: Contribution to standardisation.</b> USC will participate in the inclusion of <b>ENERWATER</b> methodology in future standards, to elaborate a "Report on Standardisation activity" D5.4. USC will work with other partners to facilitate and promote the inclusion of the <b>ENERWATER</b> methodology in future standards used by the European or international wastewater sector.		
<b>8 Preparation of papers.</b> Preparation of papers for international conferences, articles for national journals, newsletters for end users and network.	USC will lead and coordinated the two review papers that are expected from the beginning and the end of the project.		
<b>9 Conferences and events</b>	November 2015	Ecomondo expo in Rimini ( <a href="http://en.ecomondo.com/">http://en.ecomondo.com/</a> )	EnerWater partners and stakeholders will present the results of the project
	June 2016	13th IWA Leading Edge Conference on Water and Wastewater Technologies – LET 2016 ( <a href="http://www.let2016.org/">http://www.let2016.org/</a> )	EnerWater partners and stakeholders will present the results of the project
	June 2016	3rd Specialized IWA Conference on "Ecotechnologies for Wastewater Treatment EcoSTP16" ( <a href="http://www.ecostp2016.com/">http://www.ecostp2016.com/</a> )	EnerWater partners and stakeholders will present the results of the project
<b>10</b> All partners' web-sites will promote the <b>ENERWATER</b> project.	See: <a href="http://www.usc.es/biogrup/?q=en/programmeo301">http://www.usc.es/biogrup/?q=en/programmeo301</a>		
<b>11 Official Website:</b> <a href="http://www.enerwater.eu">www.enerwater.eu</a>			
<b>12</b> Press release & mass media	March 2015	Publication: <a href="http://inviabile.is/blog/connecting-energy-water-towards-sustainable-planet/">http://inviabile.is/blog/connecting-energy-water-towards-sustainable-planet/</a>	Introduction to the project
	July – 2015 (DONE)	Article for magazine FuturEnergy ( <a href="http://www.futureenergyweb.com">www.futureenergyweb.com</a> )	Introduction to the project and dissemination of stakeholder event in ECOMONDO, Italy
	March – 2018	Press release in iAGUA magazine ( <a href="http://www.iagua.es/noticias/iagua-magazine">http://www.iagua.es/noticias/iagua-magazine</a> )	Presentation of the main results of the project
<b>13</b> A promotional video will be delivered on M23	USC will participate in its subcontracting		
<b>14</b> Dissemination materials.	USC will participate in its subcontracting		

### 3.2.2 Dissemination Plan for WSC

Dissemination activity	Description of the dissemination
<b>1 General dissemination</b>	In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
<b>2 Networking activities with Waste Water Stakeholders.</b> The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors...	<p><b>Task 5.1: Network construction</b> A network will be established with other relevant projects, in order to involve potential organizations. WSC will create an own cluster with at least 30 national and international stakeholders within their reach especially ESCOs and other technological companies.</p> <p>The main purpose is to collate information and experiences on efficient waste water treatment solutions among research groups, WWTP builders and designers, water authorities, WWTP operators, ESCOS, equipment providers and other WWTP stakeholders.</p>
<b>3 To join and to invite to their contacts to join the Stakeholder Group <a href="#">LINKEDIN GROUP</a></b>	<p>WSC will invite to participate to water managers, WWTP builders and equipment manufacturers within its network.</p> <p>WSC will paste the next text in related LINKEDIN groups like H2o2o.</p> <p>Title: "Join the ENERWATER stakeholder group for the optimisation of WWTP energy efficiency"</p> <p>Text: "ENERWATER "Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants" is a H2o2o funded project that aims to provide measuring tools to quantify the energy consumption of WWTPs and to elaborate the standards to compare and, ultimately, optimise the operation of WWTPs.</p> <p>The first public event will take place during the Ecomondo expo in Rimini (Italy) on Nov. 6 2015. D Workshops will be held in Spain, Italy, UK and Germany during 2016.</p> <p>Visit <a href="http://www.enerwater.eu">www.enerwater.eu</a></p> <p>Or join our linkedin group <a href="http://www.linkedin.com/groups/ENERWATER-Project-8309883">www.linkedin.com/groups/ENERWATER-Project-8309883</a>"</p>
<b>4</b> To participate in the <a href="#">discussions</a> group of LINKEDIN	WSC has started 3 discussions already
<b>5 Organization of a Stakeholder Workshop.</b> After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.	<p>Spanish partners to organize a workshop in Spain</p> <p>Planned to be held in June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a></p> <p>"Waste Water Stakeholder Workshop" D5.1.</p>
<b>6 Networking activities with Standardisation Stakeholders.</b> The consortium will perform networking with other standardisation groups of similar topics like energy.	<p>WSC will participate and bring participants to a joint standardisation workshop for targeted stakeholders that is planned to be held in Brussels in December 2016.</p> <p><b>Task 5.2 Standardisation Landscape.</b> WSC will participate in the identification of relevant standardisation groups</p> <p><b>Task 5.3 Standardisation Network.</b> USC will participate and bring participants to "Joint</p>



	Standardisation Stakeholders Workshop" D5.3		
<b>7</b> Standardisation proposal development.	<b>Task 5.4: Contribution to standardisation.</b> WSC will participate in the inclusion of <b>ENERWATER</b> methodology in future standards, to elaborate a "Report on Standardisation activity" D5.4. WSC will work with other partners to facilitate and promote the inclusion of the <b>ENERWATER</b> methodology in future standards used by the European or international wastewater sector.		
<b>8</b> Preparation of papers. Preparation of papers for international conferences, articles for national journals, newsletters for end users and network.	July - 2015	Article for magazine FuturEnergy ( <a href="http://www.futureenergyweb.com">www.futureenergyweb.com</a> )	Introduction to the project and dissemination of stakeholder event in ECOMONDO, Italy
<b>9</b> Conferences and events	June-2015 (DONE)	Event: Madrid monitoring day ( <a href="http://www.monitoringday.com">www.monitoringday.com</a> )	Information of the project during networking sessions
		<a href="http://www.ecomondoexpo.com">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a>	
	Nov-2016	Event: Smart City World Congress Barcelona ( <a href="http://www.smartcityexpo.com/">http://www.smartcityexpo.com/</a> )	Information of the project in company's stand: networking, poster & leaflets
		June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a>	
<b>10</b> All partners' web-sites will promote the <b>ENERWATER</b> project.	WSC is creating a new website, we will promote <b>ENERWATER</b> in the new website		
<b>11</b> Official Website: <a href="http://www.enerwater.eu">www.enerwater.eu</a>	WSC will participate with the rest of the consortium in the creation, maintenance and update of the Website.		
<b>12</b> Press release & mass media	July	Article for magazine FuturEnergy ( <a href="http://www.futureenergyweb.com">www.futureenergyweb.com</a> )	Introduction to the project and dissemination of stakeholder event in ECOMONDO, Italy
<b>13</b> A promotional video <b>will be delivered on M23</b>	WSC will participate in its subcontracting		
<b>14</b> Dissemination materials.	WSC will participate in its subcontracting		

### 3.2.3 Dissemination Plan for AENOR

Dissemination activity	Description of the dissemination
<b>1 General dissemination</b>	In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
<b>2 Networking activities with Waste Water Stakeholders.</b> The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors...	<b>Task 5.1: Network construction</b> AENOR will participate in the creation of national and international waste water stakeholders' network.
<b>3 To join and to invite to their contacts to join the Stakeholder Group <a href="#">LINKEDIN GROUP</a></b>	AENOR will paste the next text in related LINKEDIN groups. Title: "Join the ENERWATER stakeholder group for the optimisation of WWTP energy efficiency" Text: "ENERWATER "Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants" is a H2o2o funded project that aims to provide measuring tools to quantify the energy consumption of WWTPs and to elaborate the standards to compare and, ultimately, optimise the operation of WWTPs. The first public event will take place during the Ecomondo expo in Rimini (Italy) on Nov. 6 2015. D Workshops will be held in Spain, Italy, UK and Germany during 2016. Visit <a href="http://www.enerwater.eu">www.enerwater.eu</a> Or join our linkedin group <a href="http://www.linkedin.com/groups/ENERWATER-Project-8309883">www.linkedin.com/groups/ENERWATER-Project-8309883</a>
<b>4</b> To participate in the <a href="#">discussions</a> 'group' of LINKEDIN	AENOR will participate in discussions groups of LinkedIn
<b>5 Organization of a Stakeholder Workshop.</b> After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.	AENOR as leader of WP 5 and one of the Spanish partners will contribute to organize a workshop in Spain and bring stakeholders from Spanish wastewater sector. Spanish partners to organize a workshop in Spain Planned to be held in June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a> "Waste Water Stakeholder Workshop" D5.1.
<b>6 Networking activities with Standardisation Stakeholders.</b> The consortium will perform networking with other standardisation groups of similar topics like energy.	AENOR will coordinate, participate and bring participants to a joint standardisation workshop for targeted stakeholders that is planned to be held in Brussels in December 2016 <b>Task 5.2 Standardisation Landscape.</b> To coordinate the identification of relevant standardisation groups. <b>Task 5.3 Standardisation Network.</b> To coordinate and bring participants to "Joint Standardisation Stakeholders Workshop" D5.3

<b>7 Standardisation proposal development.</b>	<b>Task 5.4: Contribution to standardisation.</b> To coordinate the inclusion of ENERWATER methodology in future standards, to elaborate a "Report on standardisation activity" D5.4. AENOR will work with other partners to facilitate and promote the inclusion of the ENERWATER methodology in future standards used by the European or international wastewater sector.	
<b>8 Preparation of papers.</b> Preparation of papers for international conferences, articles for national journals, newsletters for end users and network.	2016	AENOR magazine (digital and paper versions), AENOR will published some articles informing on the achievements of ENERWATER project.
<b>9 Conferences and events</b>		<a href="#">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a>
		June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a>
<b>10</b> All partners' web-sites will promote the <b>ENERWATER</b> project.		
<b>11 Official Website:</b> <a href="http://www.enerwater.eu">www.enerwater.eu</a>	AENOR will participate together with the rest of the partners in the creation, maintenance, update and promotion	
<b>12</b> Press release & mass media	Press releases will be published periodically in AENOR website and AENOR magazine.	
<b>13</b> A promotional video <b>will be delivered on M23</b>	AENOR will participate in its subcontracting	
<b>14 Dissemination materials.</b>	AENOR will participate in its subcontracting	

### 3.2.5 Dissemination Plan for CU

Dissemination activity	Description of the dissemination
<b>1 General dissemination</b>	In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
<b>2 Networking activities with Waste Water Stakeholders.</b> The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors...	<p><b>Task 5.1: Network construction</b> A network will be established with other relevant projects, in order to involve potential organizations. CU will create an own cluster with at least 50 national and international stakeholders within their reach. CU will coordinate and to decide how to receive input: physical meetings, online, emails...</p> <p>The main purpose is to collate information and experiences on efficient waste water treatment solutions among research groups, WWTP builders and designers, water authorities, WWTP operators, ESCOS, equipment providers and other WWTP stakeholders.</p>
<b>3 To join and to invite to their contacts to join the Stakeholder Group <a href="#">LINKEDIN GROUP</a></b>	<p>CU will paste the next text in related LINKEDIN groups</p> <p>Title: "Join the ENERWATER stakeholder group for the optimisation of WWTP energy efficiency"</p> <p>Text: "ENERWATER "Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants" is a H2020 funded project that aims to provide measuring tools to quantify the energy consumption of WWTPs and to elaborate the standards to compare and, ultimately, optimise the operation of WWTPs.</p> <p>The first public event will take place during the Ecomondo expo in Rimini (Italy) on Nov. 6 2015. D Workshops will be held in Spain, Italy, UK and Germany during 2016.</p> <p>Visit <a href="http://www.enerwater.eu">www.enerwater.eu</a></p> <p>Or join our linkedin group <a href="http://www.linkedin.com/groups/ENERWATER-Project-8309883">www.linkedin.com/groups/ENERWATER-Project-8309883</a>"</p>
<b>4</b> To participate in the <a href="#">discussions</a> group of LINKEDIN	CU will participate in discussions groups of LinkedIn
<b>5 Organization of a Stakeholder Workshop.</b> After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.	CU to participate in workshop in other countries, and to organize one in UK "Waste Water Stakeholder Workshop" D5.1.
<b>6 Networking activities with Standardisation Stakeholders.</b> The consortium will perform networking with other standardisation groups of similar topics like energy.	<p>CU will participate and bring participants to a joint standardisation workshop for targeted stakeholders that is planned to be held in Brussels in December 2016</p> <p><b>Task 5.2 Standardisation Landscape.</b> CU will participate in the identification of relevant standardisation groups</p> <p><b>Task 5.3 Standardisation Network.</b> CU will participate and bring participants to "Joint Standardisation Stakeholders Workshop" D5.3</p>

<b>7</b> Standardisation proposal development.	<b>Task 5.4: Contribution to standardisation.</b> CU will participate in the inclusion of <b>ENERWATER</b> methodology in future standards, to elaborate a "Standardisation Proposal Document" D5.4. CU will work with other partners to facilitate and promote the inclusion of the <b>ENERWATER</b> methodology in future standards used by the European or international wastewater sector.		
<b>8</b> Preparation of papers. Preparation of papers for international conferences, articles for national journals, newsletters for end users and network.			
<b>9</b> Conferences and events		<a href="#">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a>	
		June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a>	
		3rd Specialized IWA Conference on "Ecotechnologies for Wastewater Treatment EcoSTP16" will be taken place 27-30 Jun 2016 in Cambridge <a href="http://www.ecostp2016.com/">http://www.ecostp2016.com/</a>	
<b>10</b> All partners' web-sites will promote the <b>ENERWATER</b> project.			
<b>11</b> Official Website: <a href="http://www.enerwater.eu">www.enerwater.eu</a>			
<b>12</b> Press release & mass media			
<b>13</b> A promotional video <b>will be delivered on M23</b>	CU will participate in its subcontracting		
<b>14</b> Dissemination materials.	CU will participate in its subcontracting		

### 3.2.7 Dissemination Plan for UNIVR

Dissemination activity	Description of the dissemination
<b>1 General dissemination.</b>	In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
<b>2 Networking activities with Waste Water Stakeholders.</b> The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors...	<b>Task 5.1: Network construction</b> A network will be established with other relevant projects, in order to involve potential organizations. UNIVR will create an own cluster with at least 50 national and international stakeholders within their reach. UNIVR will coordinate and to decide how to receive input: physical meetings, online, emails. The main purpose is to collate information and experiences on efficient waste water treatment solutions among research groups, WWTP builders and designers, water authorities, WWTP operators, ESCOS, equipment providers and other WWTP stakeholders.
<b>3 To join and to invite to their contacts to join the Stakeholder Group</b> <a href="#">LINKEDIN GROUP</a>	UNIVR will paste the next text in related LINKEDIN groups: Biological Wastewater Treatment; American Water Works Association; ecoSTP2014. Title: "Join the ENERWATER stakeholder group for the optimisation of WWTP energy efficiency" Text: "ENERWATER "Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants" is a H2o2o funded project that aims to provide measuring tools to quantify the energy consumption of WWTPs and to elaborate the standards to compare and, ultimately, optimise the operation of WWTPs. The first public event will take place during the Ecomondo Global Water Expo in Rimini (Italy) on Nov. 6 2015. D Workshops will be held in Spain, Italy, UK and Germany during 2016. Visit <a href="http://www.enerwater.eu">www.enerwater.eu</a> Or join our linkedin group <a href="http://www.linkedin.com/groups/ENERWATER-Project-8309883">www.linkedin.com/groups/ENERWATER-Project-8309883</a>
<b>4</b> To participate in the <a href="#">discussions</a> group of LINKEDIN	UNIVR will participate in discussions groups of LinkedIn
<b>5 Organization of a Stakeholder Workshop.</b> After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.	"Waste Water Stakeholder Workshop" D5.1. <a href="#">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a>
<b>6 Networking activities with Standardisation Stakeholders.</b> The consortium will perform networking with other standardisation groups of similar topics like energy.	UNIVR will participate and bring participants to a joint standardisation workshop for targeted stakeholders that is planned to be held in Brussels in December 2016 <b>Task 5.2 Standardisation Landscape.</b> UNIVR will participate in the identification of relevant standardisation groups <b>Task 5.3 Standardisation Network.</b> UNIVR will participate and bring participants to "Joint

	Standardisation Stakeholders Workshop" D5.3		
<b>7 Standardisation proposal development.</b>	<b>Task 5.4: Contribution to standardisation.</b> UNIVR will participate in the inclusion of <b>ENERWATER</b> methodology in future standards, to elaborate a "Report on standardisation activity" D5.4. UNIVR will work with other partners to facilitate and promote the inclusion of the <b>ENERWATER</b> methodology in future standards used by the European or international wastewater sector.		
<b>8 Preparation of papers.</b> Preparation of papers for international conferences, articles for national journals, newsletters for end users and network.			
<b>9 Conferences and events</b>		<a href="#">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a>	
		June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a>	
<b>10</b> All partners' web-sites will promote the <b>ENERWATER</b> project.			
<b>11 Official Website:</b> <a href="http://www.enerwater.eu">www.enerwater.eu</a>			
<b>12</b> Press release & mass media	14-11-2014	www.univrmagazine.it,. EnerWater primo progetto di ateneo finanziato nell'ambito di Horizon2020	Introduction to the project
<b>13</b> A promotional video <b>will be delivered on M23</b>	UNIVR will participate in its subcontracting		
<b>14 Dissemination materials.</b>	UNIVR will participate in its subcontracting		

### 3.2.9 Dissemination Plan for CUAS

Dissemination activity	Description of the dissemination
<b>1 General dissemination</b>	In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
<b>2 Networking activities with Waste Water Stakeholders.</b> The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors...	<b>Task 5.1: Network construction</b> A network will be established with other relevant projects, in order to involve potential organizations. CUAS will create an own cluster with at least 50 national and international stakeholders within their reach. CUAS will coordinate and to decide how to receive input: physical meetings, online, emails. The main purpose is to collate information and experiences on efficient waste water treatment solutions among research groups, WWTP builders and designers, water authorities, WWTP operators, ESCOS, equipment providers and other WWTP stakeholders.
<b>3 To join and to invite to their contacts to join the Stakeholder Group <a href="#">LINKEDIN GROUP</a></b>	CUAS will paste the next text in related LINKEDIN groups Title: "Join the ENERWATER stakeholder group for the optimisation of WWTP energy efficiency" Text: "ENERWATER "Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants" is a H2o2o funded project that aims to provide measuring tools to quantify the energy consumption of WWTPs and to elaborate the standards to compare and, ultimately, optimise the operation of WWTPs. The first public event will take place during the Ecomondo expo in Rimini (Italy) on Nov. 6 2015. D Workshops will be held in Spain, Italy, UK and Germany during 2016. Visit <a href="http://www.enerwater.eu">www.enerwater.eu</a> Or join our linkedin group <a href="http://www.linkedin.com/groups/ENERWATER-Project-8309883">www.linkedin.com/groups/ENERWATER-Project-8309883</a> "
<b>4 To participate in the <a href="#">discussions</a> group of LINKEDIN</b>	CUAS will participate in discussions groups of LinkedIn
<b>5 Organization of a Stakeholder Workshop.</b> After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.	German partners to organize a workshop in Germany D5.1. "Waste Water Stakeholder Workshop". Planned for the IFAT Fair in May/June 2016 in Munich
<b>6 Networking activities with Standardisation Stakeholders.</b> The consortium will perform networking with other standardisation groups of similar topics like energy.	CUAS will participate and bring participants to a joint standardisation workshop for targeted stakeholders that is planned to be held in Brussels in December 2016 <b>Task 5.2 Standardisation Landscape.</b> CUAS will participate in the identification of relevant standardisation groups <b>Task 5.3 Standardisation Network.</b> CUAS will participate and bring participants to "Joint Standardisation Stakeholders Workshop" D5.3
<b>7 Standardisation proposal</b>	<b>Task 5.4: Contribution to standardisation.</b> CUAS will participate in the inclusion of <b>ENERWATER</b> methodology in future



<b>development.</b>	standards, to elaborate a "Report on standardisation activity" D5.4. CUAS will work with other partners to facilitate and promote the inclusion of the <b>ENERWATER</b> methodology in future standards used by the European or international wastewater sector		
<b>8 Preparation of papers.</b> Preparation of papers for international conferences, articles for national journals, newsletters for end users and network.	Press release June 2015	Homepage CUAS <a href="https://www.fh-koeln.de/hochschule/enerwater-macht-europaeische-klaeanlagen-effizienter_22767.php">https://www.fh-koeln.de/hochschule/enerwater-macht-europaeische-klaeanlagen-effizienter_22767.php</a>	Introduction to the project
	Press release June 2015	TV advertising <a href="http://www1.wdr.de/mediathek/video/sendungen/lokalzeit/lokalzeit-aus-koeln/videokompakt15672.html">http://www1.wdr.de/mediathek/video/sendungen/lokalzeit/lokalzeit-aus-koeln/videokompakt15672.html</a>	Introduction to the project
	July 2015	Dissemination in different social media: <a href="https://www.facebook.com/GECOC">https://www.facebook.com/GECOC</a> <a href="http://www.gecoc.de/">http://www.gecoc.de/</a>	Introduction to the project
	Planned for July/August 2015	gwf-Wasser Abwasser	Introduction to the project
	Planned	Water Science & Technology	Introduction to the project
	Planned	Water 21 - Magazine of the International Water Association	Introduction to the project
<b>9 Conferences and events</b>		<a href="#">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a>	
		June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a>	
	May/Jun 2016	Event: IFAT Fair ( <a href="http://www.ifat.de/en">http://www.ifat.de/en</a> )	EnerWater partners and stakeholders will present the results of the project
<b>10</b> All partners' web-sites will promote the <b>ENERWATER</b> project.	<a href="http://www.gecoc.de">www.gecoc.de</a>		
<b>11</b> Official Website: <a href="http://www.enerwater.eu">www.enerwater.eu</a>			
<b>12</b> Press release & mass media	30 Jun 2015 Fachhochschule Köln	ENERWATER macht europäische Kläranlagen effizienter. Beteiligung von FH Köln und Aggerverband Petra Schmidt-Bentum <i>Referat für Kommunikation und Marketing, Team Presse- und Öffentlichkeitsarbeit</i>	Introduction to the project
<b>13</b> A promotional video <b>will be delivered on M23</b>	CUAS will participate in its subcontracting		
<b>14</b> Dissemination materials.	CUAS will participate in its subcontracting		

### 3.2.10 Dissemination Plan for ETRA

Dissemination activity	Description of the dissemination
<b>1 General dissemination</b>	In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
<b>2 Networking activities with Waste Water Stakeholders.</b> The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors...	Interaction with VIVERACQUA <sup>6</sup> which currently groups 12 public-owned water utilities in Veneto region. Interaction with FEDERUTILITY <sup>7</sup> that is the Italian federation of water, waste and energy utilities <b>Task 5.1: Network construction.</b> Each WWTP operator will create an own cluster with at least 20 national and international stakeholders within their reach. WWTP operator to coordinate and to decide how to receive input: physical meetings, online, emails. Also to participate and bring participants to networking event D5.1.  A network will be established with other relevant projects, in order to involve potential organizations. The main purpose is to collate information and experiences on efficient waste water treatment solutions among ETRA and other WTP Provider.
<b>3 To join and to invite to their contacts to join the Stakeholder Group <a href="#">LINKEDIN GROUP</a></b>	ETRA will paste the next text in related LINKEDIN groups Title: "Join the ENERWATER stakeholder group for the optimisation of WWTP energy efficiency" Text: "ENERWATER "Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants" is a H2o2o funded project that aims to provide measuring tools to quantify the energy consumption of WWTPs and to elaborate the standards to compare and, ultimately, optimise the operation of WWTPs. The first public event will take place during the Ecomondo expo in Rimini (Italy) on Nov. 6 2015. Workshops will be held in Spain, Italy, UK and Germany during 2016. Visit <a href="http://www.enerwater.eu">www.enerwater.eu</a> Or join our linkedin group <a href="http://www.linkedin.com/groups/ENERWATER-Project-8309883">www.linkedin.com/groups/ENERWATER-Project-8309883</a> "
<b>4 To participate in the <a href="#">discussions</a>'group of LINKEDIN</b>	ETRA will participate in discussions groups of LinkedIn
<b>5 Organization of a Stakeholder Workshop.</b> After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.	Also to participate and bring participants to networking event "Waste Water Stakeholder Workshop" D5.1.  Italian partners to organize a workshop in Italy "Waste Water Stakeholder Workshop" D5.1. <a href="#">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a>
<b>6 Networking activities with Standardisation</b>	ETRA will participate and bring participants to a joint standardisation workshop for targeted stakeholders that is

<sup>6</sup> [www.viveracqua.it](http://www.viveracqua.it)

<sup>7</sup> [www.federutility.it](http://www.federutility.it)

<p><b>Stakeholders.</b> The consortium will perform networking with other standardisation groups of similar topics like energy.</p>	<p>planned to be held in Brussels in December 2016</p> <p><b>Task 5.2 Standardisation Landscape.</b> To participate in the identification of relevant standardisation groups</p> <p><b>Task 5.3 Standardisation Network.</b> To participate and bring participants to “Joint Standardisation Stakeholders Workshop” D5.3</p>		
<p><b>7 Standardisation proposal development.</b></p>	<p><b>Task 5.4: Contribution to standardisation.</b> To participate in the inclusion of <b>ENERWATER</b> methodology in future standards, to elaborate a “Report on standardisation activity” D5.4. ETRA will work with other partners to facilitate and promote the inclusion of the <b>ENERWATER</b> methodology in future standards used by the European or international wastewater sector.</p>		
<p><b>8 Preparation of papers.</b> Preparation of papers for international conferences, articles for national journals, newsletters for end users and network.</p>			
<p><b>9 Conferences and events</b></p>		<p><a href="#">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a></p>	
<p><b>10</b> All partners’ web-sites will promote the <b>ENERWATER</b> project.</p>			
<p><b>11 Official Website:</b> <a href="http://www.enerwater.eu">www.enerwater.eu</a></p>			
<p><b>12</b> Press release &amp; mass media</p>	<p>01-12-2014</p>	<p>www.bassanopiu.com. <b>Etra è l'unico gestore italiano partner del progetto europeo EnerWater</b></p>	<p>Introduction to the project</p>
	<p>14-11-2014</p>	<p>www.univrmagazine.it,. <b>EnerWater primo progetto di ateneo finanziato nell'ambito di Horizon2020</b></p>	<p>Introduction to the project</p>
	<p>28-11-2014</p>	<p>www.padovaonline.org, <b>Etra è l'unico gestore italiano partner del progetto europeo EnerWater. Obiettivo: migliorare l'efficienza energetica dei depuratori</b></p>	<p>Introduction to the project</p>
	<p>28-11-2014</p>	<p>www.veronaonline.org,. <b>Etra è l'unico gestore italiano partner del progetto europeo EnerWater. Obiettivo: migliorare l'efficienza energetica dei depuratori</b></p>	<p>Introduction to the project</p>
	<p>15-01-2015</p>	<p>La Voce Alta Padovana,. <b>Etra è l'unico gestore italiano partner di Enerwater. Obiettivo: migliorare l'efficienza energetica dei depuratori</b></p>	<p>Introduction to the project</p>
<p><b>13</b> A promotional video <b>will be delivered on M23</b></p>	<p>ETRA will participate in its subcontracting</p>		
<p><b>14</b> Dissemination materials.</p>	<p>ETRA will participate in its subcontracting</p>		

### 3.2.11 Dissemination Plan for AV

Dissemination activity	Description of the dissemination
<b>1 General dissemination</b>	In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
<b>2 Networking activities with Waste Water Stakeholders.</b> The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors...	<p><b>Task 5.1: Network construction.</b> Each WWTP operator will create an own cluster with at least 20 national and international stakeholders within their reach. WWTP operator to coordinate and to decide how to receive input: physical meetings, online, emails.</p> <p>A network will be established with other relevant projects, in order to involve potential organizations. The main purpose is to collate information and experiences on efficient waste water treatment solutions among AVB and other WTP Provider.</p>
<b>3 To join and to invite to their contacts to join the Stakeholder Group <a href="#">LINKEDIN GROUP</a></b>	<p>AV will paste the next text in related LINKEDIN groups</p> <p>Title: "Join the ENERWATER stakeholder group for the optimisation of WWTP energy efficiency"</p> <p>Text: "ENERWATER "Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants" is a H2020 funded project that aims to provide measuring tools to quantify the energy consumption of WWTPs and to elaborate the standards to compare and, ultimately, optimise the operation of WWTPs.</p> <p>The first public event will take place during the Ecomondo expo in Rimini (Italy) on Nov. 6 2015. D Workshops will be held in Spain, Italy, UK and Germany during 2016.</p> <p>Visit <a href="http://www.enerwater.eu">www.enerwater.eu</a></p> <p>Or join our linkedin group <a href="http://www.linkedin.com/groups/ENERWATER-Project-8309883">www.linkedin.com/groups/ENERWATER-Project-8309883</a>"</p>
<b>4</b> To participate in the <a href="#">discussions</a> group of LINKEDIN	AV will participate in discussions groups of LinkedIn
<b>5 Organization of a Stakeholder Workshop.</b> After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.	<p>German partners to organize a workshop in Germany</p> <p>D5.1. "Waste Water Stakeholder Workshop".</p> <p>Planned for the IFAT Fair in May/June 2016 in Munich</p>
<b>6 Networking activities with Standardisation Stakeholders.</b> The consortium will perform networking with other standardisation groups of similar topics like energy.	<p>AVB will participate and bring participants to a joint standardisation workshop for targeted stakeholders that is planned to be held in Brussels in December 2016</p> <p><b>Task 5.2 Standardisation Landscape.</b> To participate in the identification of relevant standardisation groups</p> <p><b>Task 5.3 Standardisation Network.</b> To participate and bring participants to "Joint Standardisation Stakeholders Workshop" D5.3</p>
<b>7 Standardisation proposal development.</b>	<p><b>Task 5.4: Contribution to standardisation.</b> To participate in the inclusion of <a href="#">ENERWATER</a></p>

	methodology in future standards, to elaborate a "Report on standardisation activity" D5.4. AV will work with other partners to facilitate and promote the <b>ENERWATER</b> methodology in future standards used by the European or international wastewater sector.		
8 <b>Preparation of papers.</b> Preparation of papers for international conferences, articles for national journals, newsletters for end users and network.	23-06-2015	Koel Nachrichten <a href="http://koeln-nachrichten.de/bildung/studien/koelner-fh-und-aggerverband-wollen-klaeranlagen-effizienter-machen/">http://koeln-nachrichten.de/bildung/studien/koelner-fh-und-aggerverband-wollen-klaeranlagen-effizienter-machen/</a>	Introduction of the project
9 <b>Conferences and events</b>		<a href="#">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a>	
		June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a>	
10 All partners' web-sites will promote the <b>ENERWATER</b> project.			
11 <b>Official Website:</b> <a href="http://www.enerwater.eu">www.enerwater.eu</a>			
12 Press release & mass media	AVB will participate in its subcontracting		
13 A promotional video <b>will be delivered on M23</b>	AVB will participate in its subcontracting		
14 <b>Dissemination materials.</b>			

### 3.2.12 Dissemination Plan for EYD

Dissemination activity	Description of the dissemination
<b>1 General dissemination.</b>	In general all partners will take every chance they have to disseminate the project results and to bring partners to join the ENERWATER Stakeholder group.
<b>2 Networking activities with Waste Water Stakeholders.</b> The consortium will perform networking with other projects of similar topics, research groups, water companies, ESCOs, auditors...	<p><b>Task 5.1: Network construction.</b> EyD as WWTP operator will create an own cluster with at least 20 national and international stakeholders within their reach. EyD to coordinate and to decide how to receive input: physical meetings, online, emails. Also to participate and bring participants to networking event D5.1.</p> <p>A network will be established with other relevant projects, in order to involve potential organizations. The main purpose is to collate information and experiences on efficient waste water treatment solutions among EyD and other WTP Provider.</p>
<b>3 To join and to invite to their contacts to join the Stakeholder Group <a href="#">LINKEDIN GROUP</a></b>	<p>EYD will paste the next text in related LINKEDIN groups</p> <p>Title: "Join the ENERWATER stakeholder group for the optimisation of WWTP energy efficiency"</p> <p>Text: "ENERWATER "Standard method and online tool for assessing and improving the energy efficiency of waste water treatment plants" is a H2o2o funded project that aims to provide measuring tools to quantify the energy consumption of WWTPs and to elaborate the standards to compare and, ultimately, optimise the operation of WWTPs.</p> <p>The first public event will take place during the Ecomondo expo in Rimini (Italy) on Nov. 6 2015. D Workshops will be held in Spain, Italy, UK and Germany during 2016.</p> <p>Visit <a href="http://www.enerwater.eu">www.enerwater.eu</a></p> <p>Or join our linkedin group <a href="http://www.linkedin.com/groups/ENERWATER-Project-8309883">www.linkedin.com/groups/ENERWATER-Project-8309883</a>"</p>
<b>4</b> To participate in the <a href="#">discussions</a> group of LINKEDIN	EYD will participate in discussions groups of LinkedIn
<b>5 Organization of a Stakeholder Workshop.</b> After the delivery of the first version of the methodology D3.1 we will bring it to discussion into a workshop to which we will invite all stakeholders identified during the networking activities.	<p>Spanish partners to organize a workshop in Spain</p> <p>Planned to be held in June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a></p> <p>"Waste Water Stakeholder Workshop" D5.1.</p>
<b>6 Networking activities with Standardisation Stakeholders.</b> The consortium will perform networking with other standardisation groups of similar topics like energy.	<p>EYD will participate and bring participants to a joint standardisation workshop for targeted stakeholders that is planned to be held in Brussels in December 2016</p> <p><b>Task 5.2 Standardisation Landscape.</b> To participate in the identification of relevant standardisation groups</p> <p><b>Task 5.3 Standardisation Network.</b> To participate and bring participants to "Joint Standardisation</p>

	Stakeholders Workshop" D5.3		
<b>7</b> Standardisation proposal development.	<b>Task 5.4: Contribution to standardisation.</b> To participate in the inclusion of <b>ENERWATER</b> methodology in future standards, to elaborate a "Report on standardisation activity" D5.4. EYD will work with other partners to facilitate and promote the inclusion of the <b>ENERWATER</b> methodology in future standards used by the European or international wastewater sector.		
<b>8</b> Preparation of papers. Preparation of papers for international conferences, articles for national journals, newsletters for end users and network.			
<b>9</b> Conferences and events		<a href="#">Ecomondo expo in Rimini (Italy) on Nov. 6 2015</a>	
		June 2016 IWA congress in Jerez, Spain <a href="http://www.let2016.org/">http://www.let2016.org/</a>	
<b>10</b> All partners' web-sites will promote the <b>ENERWATER</b> project.	EYD will promote the project in its website <a href="http://www.espinaydelfin.gal/">http://www.espinaydelfin.gal/</a>		
<b>11</b> Official Website: <a href="http://www.enerwater.eu">www.enerwater.eu</a>			
<b>12</b> Press release & mass media	05/04/2015 Press Release in EYD Website. Project Introduction	La USC coordina un proyecto que busca la optimización energética de las plantas de tratamiento de aguas residuales en Europa	<a href="http://www.espinaydelfin.gal/index.php?V_dir=EYD&amp;V_mod=showconts&amp;idcat=32&amp;maxitems=10&amp;&amp;op=news&amp;idcat=32&amp;id=2122">http://www.espinaydelfin.gal/index.php?V_dir=EYD&amp;V_mod=showconts&amp;idcat=32&amp;maxitems=10&amp;&amp;op=news&amp;idcat=32&amp;id=2122</a>
<b>13</b> A promotional video <b>will be delivered on M23</b>	EYD will participate in its subcontracting		
<b>14</b> Dissemination materials.	EYD will participate in its subcontracting		

## 4 Website requirements

[www.enerwater.eu](http://www.enerwater.eu)

- 1 The website should be very visual and attractive.
- 2 Must be responsive technology for compatibility with computers, tablets & mobile phones.
- 3 SECTIONS:
  - Home; Welcome/ Abstract/Video/Link to linkedin/ Link to subscription to newsletter
    - ENERWATER SERVICES
    - JOIN OUR STAKEHOLDER NETWORK
    - DOWNLOAD THE METHODOLOGY
    - ACCESS OUR BENCHMARKING DATABASE
    - ACCESS THE ONLINE METHODOLOGY
    - GUIDELINES: BEST PRACTICES & TECHNOLOGIES
  - The project
    - Background
    - Objective
    - Expected Goals
    - Expected Results
    - Implementation
    - Expected Impact
  - Consortium: Description, logos and link to partner websites.
  - Downloads: Project deliverables & publications
  - News & events
  - Links
  - Contact form (with Captcha)
- 4 The public content can only be uploaded and published by the web administrator WSC
- 5 It is possible for the web visitors to join a mailing list with the news related to ENERWATER

## 5 Private area: File exchange system

<https://factory-box.squada.com>

## 6 Dissemination material

- 1 Brand design: Logo, colors, templates (.doc, .ppt)
- 2 1 animation video: To be done asap with the purpose to attract stakeholders 3 minutes. Language English, subtitles Spanish, English, Italian, German (e.g. [1](#), [2](#), [Aquaenvec](#)). Deliverable 6.3 Dissemination Video is due on 28th Feb 16
- 3 1 video with real images for training activities. The video for training should be before the Training of Auditors task which starts on 1st Feb 16 will last 3 months.
- 4 Roll up design and printing: 9 units; one for each partner
- 5 Posters design and printing: 9 units; one for each partner
- 6 Initial leaflet x 450. Project presentation and objectives. 300 English, 50 Italian, 50 German, 50 Spanish or 450 in 4 languages
- 7 Final leaflet x300. Project results
- 8 Ball pens- biodegradable 450
- 9 Folders 450
- 10 Notepads 450