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ICT - Information and Communication Technologies

D8.4 Dissemination results

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<td>Dimotiki epiririsi Ydreas - apoxetinei Skiathou</td>
<td>DEYASK</td>
<td>Greece</td>
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<td>Safa El-Jamal</td>
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Executive Summary

The present document is a deliverable of the ISS-EWATUS project, funded by the European Commission’s Directorate-General for Communications Networks, Content & Technology (DG CONNECT), under its 7th EU Framework Programme for Research and Technological Development (FP7).
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1. Introduction

Dissemination and communication activities as part of the ISS-EWATUS project were carried out within work package 8 (WP8) Impact assessment and dissemination. There were six deliverables in WP8. Until present, deliverables D8.1 Dissemination plan (after 2 months), D8.2 Dissemination results (after 11 months, February 2014 - December 2014), D8.3 Dissemination results (after 23 months, January 2015 - December 2015), D8.5 Exploitation plan (after 30 months) have been reported. The deliverable D8.4 Dissemination results contains the report which describes in detail the consortium’s dissemination activities during January 2016 - January 2017 of the ISS-EWATUS project and additionally the dissemination activity after the end of the project. This document, in particular, highlights the main achievements with respect to the deliverable D8.1 Dissemination plan:

- ISS-EWATUS project public Website and intranet collaborative platform.
- Participation in selected events (conferences, seminars, workshops, special days) and meetings.
- Publication activities (scientific papers, newsletters, press releases).
- News published on social platforms, e.g. Twitter, involvement in networks.
- Production of presentations, posters and other promotional materials (e.g. poster, leaflets, gadgets, comics).
- Communication with other EU-funded projects and common dissemination.
- Participation in European ICT for Water organizations and information about European innovations.
2. ISS-EWATUS Website

The ISS-EWATUS website http://issewatus.eu/ is hosted and managed on the Moodle platform. The website is the primary means of dissemination and source of news and information about ISS-EWATUS activities. This is a dynamic website adapted for tablet and mobile technology. The website consists of public (external) and internal zones. The internal section is available only for project participants.

2.1. Public Website

The public ISS-EWATUS website comprises the following menu and submenu (Tab. 1, Fig. 1).

<table>
<thead>
<tr>
<th>Project</th>
<th>Consortium</th>
<th>Work packages</th>
<th>Reporting</th>
<th>Dissemination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project overview</td>
<td>List of beneficiaries</td>
<td>Partly public; Includes the topic and objectives of eight work packages (WP1-WP8) of the ISS-EWATUS project.</td>
<td>Continuous reporting</td>
<td>Publications</td>
</tr>
<tr>
<td>(Public; Presents basic information about the project, abstract, concept and objectives.)</td>
<td>(Public; Presents the list of ten ISS-EWATUS Partners, their logos and short descriptions.)</td>
<td>(Mostly public; Presents the list of deliverables and the delivery dates. Most deliverables have a PU – public dissemination level and information about results are published on the website. At present D2.1, D2.2, D2.3, D3.2, D4.2, D5.2, D5.3, D6.1, D6.2, D7.1, D8.1, D8.2, D8.3 are published and available for guests.)</td>
<td>(Public. Presents information about progress in the project.)</td>
<td>Conferences and workshops</td>
</tr>
<tr>
<td>Project documentation</td>
<td>List of persons</td>
<td>Milestones</td>
<td>Deliverables</td>
<td>Project meetings</td>
</tr>
<tr>
<td>(Internal.)</td>
<td>(Internal.)</td>
<td>(Partly public; Presents the list of milestones and delivery dates. Published: MS1 Project set-up and report of kick-off meeting.)</td>
<td>(Mostly public; Presents the list of deliverables and the delivery dates.)</td>
<td>Involvement in networks</td>
</tr>
<tr>
<td>Management</td>
<td></td>
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<td>Newsletters</td>
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<tr>
<td>(Public; Presents the project committee and boards.)</td>
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<td></td>
<td>Press releases</td>
</tr>
<tr>
<td>Contact</td>
<td></td>
<td></td>
<td></td>
<td>Leaflets/poster/gadgets/comics</td>
</tr>
<tr>
<td>(Public; Contains www, email and regular mail for project contact.)</td>
<td></td>
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<td></td>
<td>Additional activities</td>
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<td>EU for Water</td>
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<td>Related projects</td>
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<td>Final events</td>
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<td></td>
<td>(Public.)</td>
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<tr>
<td></td>
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<td></td>
<td>Dissemination tasks</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(Internal.)</td>
</tr>
</tbody>
</table>

Under the menu, there is the project’s logo and the acronym, access icons to social networks (google+, Twitter, Facebook), the banner with the project’s main slogans, the full name of the project, three spots, newsflash, Twitter news, ICT4Water Cluster news, the footer with the Partner logos and the EU flag with information regarding the fact that the project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no. 619228.
Fig. 1. ISS-EWATUS homepage
The banner presents the main aims of the ISS-EWATUS project in the form of three scroll-through slogans:
1) Social-media platform enabling and promoting water-saving behaviour;
2) Development and simulation of an adaptive pricing system;
3) Decision Support System for efficient water management in households and municipal distribution systems.

Three spots welcome to the Project Website, leading to the ISS-EWATUS Watersocial Platform, and ISS-EWATUS Final Events advertisement.

A Newsflash section has been included on the Website. It provides readers with reports of previous events and updated information about upcoming events (includes 82 news items).

ICT4Water Cluster block includes: ICT4Water Video - Improving the Efficiency of Urban Water Management in Europe, links to ICT4Water newsletters, information about ICT4Water events (for more details on ICT4Water see point Common dissemination).

Twitter is an online social networking service that enables users to send and read short messages, connected with project topics. It is designed to augment and complement the Website as the central channel of communication.

The progress of the ISS-EWATUS website in 2016 was enriched with:
- 8 reports on the project results, supported with photos, graphs, figures. The reports which show the progress of the project were added to the menu "Reporting/Continuous reporting”,
- 8 public deliverables, to which a link on the ICT4Water cluster website was prepared,
- information about 17 publications that can be found in "Dissemination/Publications”,
- 14 reports on conferences in which ISS-EWATUS participated. Reports were published in "Dissemination/Conferences and workshops,”
- information about 1 project meeting in the "Dissemination/Project meetings” section,
- numerous messages on social networks (Twitter, Facebook) informing about ICT for water events,
- information about 22 press releases in the "Dissemination/Press release” section,
- information about 6 news items in newsletters – in the "Dissemination/Newsletters" section (5 in ICT4Water Newsletter, 1 in University of Silesia Newsletter, Center for Projects and Cooperation with the Economy),
- ISS-EWATUS promotional materials (leaflet, magnets, notepad and pen, pendrive, bag, calendar, soap, hourglass and message in a drop) which can be found on the subpage "Dissemination/Leaflets/poster/gadgets/comics”,
- information about new ICT for water related projects and members of ICT4Water cluster that was added in the section "Dissemination/Related projects”,
- links to 5 ICT4Water newsletters and to 4 ICT4Water events (in the "ICT4Water Cluster” block),
- a spot leading to the ISS-EWATUS Final Events advertisement with a video demonstrating the ISS-EWATUS Decision Support System,
- a spot leading to the ISS-EWATUS WaterSocial Platform, with a video demonstrating the WaterSocial – ISS-EWATUS social media platform,
- 36 news items in the Newsflash section, which provide readers with reports of previous events and updated information about upcoming events.

The number of visitors of the ISS-EWATUS website in years 2014-2017 is 65675, the number of page views is 495471. Annex 1 contains a visualization of the number of visitors in every month and the number of visits on selected subpages.

2.2. Internal Website

The ISS-EWATUS website also has a password-protected internal private area for exchanging and archiving documents, maintaining e-mail lists, etc. The participants can access the internal website after logging in.
The internal ISS-EWATUS website comprises the following menu and submenu (Tab. 2).

<table>
<thead>
<tr>
<th>Project overview (Public.)</th>
<th>Consortium</th>
<th>Work packages</th>
<th>Reporting</th>
<th>Dissemination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project documentation (Internal; Includes: logo in various versions; presentation template; description of work packages, deliverables and milestones.)</td>
<td>List of beneficiaries (Public.)</td>
<td>Partly internal; Full description of WP (WP1-WP8) of the ISS-EWATUS project and additional files e.g. workplans, presentations.</td>
<td>Continuous reporting (Public.)</td>
<td>Publications Conferences and workshops Project meetings Involvement in networks Newsletters Press releases Leaflets/posters/gadgets/comics Additional activities EU for Water Related projects Final events (All public.)</td>
</tr>
<tr>
<td>Management (Public.)</td>
<td>List of persons (Internal; List of participants. One of the possibilities for communication by email, changing materials and discussion.)</td>
<td></td>
<td></td>
<td>Dissemination tasks (Internal. This topic includes tasks for execution by the participants of the ISS-EWATUS project e.g. connected with dissemination.)</td>
</tr>
<tr>
<td>Contact (Public.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In order to stimulate on-line dialogue, ISS-EWATUS provides a discussion forum http://issewatus.eu/course/view.php?id=76 where all ISS-EWATUS partners are encouraged to bring and discuss issues that are relevant to the project. Discussion is also possible on the Work packages forum and in the Newsflash area.

3. Events associated with ISS-EWATUS

3.1 Participation in conferences, symposiums, open events, festivals

Representatives of ISS-EWATUS have participated in important water-management events. The events are listed below.

<table>
<thead>
<tr>
<th>Title, date, place</th>
<th>Description</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Event</td>
<td>Date/Location</td>
<td>URL/Details</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>WISDOM Final Event</td>
<td>19.01.2017, Cardiff, Great Britain</td>
<td><a href="http://www.wisdom-project.eu/final-event">http://www.wisdom-project.eu/final-event</a></td>
</tr>
<tr>
<td>6th Photographic Biennale of the University</td>
<td>October 2016 (competition) – April 2017 (exhibition)</td>
<td>Photo &quot;Map of water images - save water and enjoy it in life, Carmel, February 2016&quot; submitted for the competition and qualified for the exhibition</td>
</tr>
<tr>
<td>Invited Research Seminar, Shenzhen Water Corporation</td>
<td>13.10 2016, Shenzhen, China</td>
<td>Presentation: Global Internet of Things for water consumption management</td>
</tr>
<tr>
<td>Event Title</td>
<td>Details</td>
<td>Participating Institutions</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>This project has received funding from the European Union’s Seventh Framework Programme for research, technological development and demonstration under grant agreement no [619228]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>management in non-urbanized areas, 4-5.10.2016, Kielce, Poland</td>
<td>Presentation: Systemy wspomagania dla gospodarki wodno-ściekowej w obliczu zmian klimatu i innych zmian w środowisku (Support systems for water and wastewater management in the face of climate change and other environmental changes)</td>
<td></td>
</tr>
<tr>
<td>22nd International Conference on Automation and Computing (ICAC), 7-8.09.2016, Essex, United Kingdom</td>
<td><a href="http://www.cacsuk.co.uk/index.php/conferences">http://www.cacsuk.co.uk/index.php/conferences</a> Presentation: Incorporating persuasion into a decision support system: the case of the water user classification function</td>
<td>LU</td>
</tr>
<tr>
<td>Symposium and the Summer School, 22-25.08.2016, Monte Verità, Switzerland</td>
<td><a href="http://www2.idsia.ch/cms/smartwater/">http://www2.idsia.ch/cms/smartwater/</a> Presentation: Forecasting water demand</td>
<td>US</td>
</tr>
<tr>
<td>8th International Conference on Intelligent Decision Technologies, KES-IDT-16, 15-17.06.2016, Tenerife, Spain</td>
<td><a href="http://idt-16.kesinternational.org/">http://idt-16.kesinternational.org/</a> Presentations: 1) Forecasting Domestic Water Consumption Using the Bayesian Model</td>
<td>US, UPO</td>
</tr>
<tr>
<td>Event</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Kongres SMART – Intelligentne Miasta (Congress SMART – Intelligent Cities)</td>
<td>Session: Intelligent Decision Technologies for Water Resources Management (IS02) and Recent Advances in Fuzzy Systems (IS09) led by Wojciech Froelich (US), Jose L. Salmeron (UPO)</td>
<td>US</td>
</tr>
<tr>
<td>2nd International Workshop on Cyber-Physical System for Smart Water Networks, CySWater 2016</td>
<td>Presentation: Daily Multivariate Forecasting of Water Demand in a Touristic Island with the Use of ANN and ANFIS Session 1 &quot;CPS for Smart Water Networks: Control, Performance and Applications&quot; led by Chrysi Laspidou (CERTH)</td>
<td>CERTH</td>
</tr>
<tr>
<td>6th Annual Conference SWAN 2016, 5-6.04.2016, London, United Kingdom</td>
<td>Panel session &quot;Improving water use efficiency&quot; led by Chrysi Laspidou (CERTH)</td>
<td>CERTH</td>
</tr>
<tr>
<td>Open Day of the Institute of Computer Science, 6.04.2016, Sosnowiec, Poland</td>
<td>Presentation and workshop: Czy ICT może zmienić zachowanie użytkowników wody? (Can ICT change the behaviour of water users?)</td>
<td>US</td>
</tr>
</tbody>
</table>
3.2 Organisation of events

In addition to participating in events (conferences, workshops, etc.), the ISS-EWATUS project was also the organizer or co-organizer of the events presenting the project results. The most important ones that brought together the most stakeholders are the 1st and 2nd final events and open public events as well as some others e.g.: Silesian Science Festival, 13-15.10.2016, Katowice, Poland; Open Day of the Institute of Computer Science, 6.04.2016, Sosnowiec, Poland; XIV Konferencja Gospodarka wodno-ściekowa na terenach niezurbanizowanych (Conference on water and sewage management in non-urbanized areas), 4-5.10.2016, Kielce, Poland; 8th International Conference on Intelligent Decision Technologies, KES-IDT-16, 15-17.06.2016, Tenerife, Spain – organization of session "Intelligent Decision Technologies for Water Resources Management (IS02) and Recent Advances in Fuzzy Systems (IS09)".

3.2.1 1st Final Event, Greece

The first out of the two final events planned for the ISS-EWATUS project was held with great success in Skiathos Island, Greece, on 1st and 2nd September 2017. The event was organized with the collaboration of two Greek partners: CERTH and DEYASK. The choice of the event location was decided on the basis of the location of the project pilot. The two events were held in the project pilot locations in order to involve the local communities as much as possible and to extend them from the municipal to the regional, national and international level. The primary goal of the conference was to get the attention and secure the participation and support of Greek authorities at all levels, as well as the participation of other Greek water utilities. A large media campaign was organized beforehand with local TV stations covering project results and inviting the public to the event. A short video-commercial spot that covered the significance of water and energy savings in the household was played for weeks on local TV channels to prepare the local community. DEYASK officials gave multiple interviews to local reporters explaining what the project and the event was all about, announcing project partners and invited speakers that would come to the island for the event and inviting the public to participate. The number of guests and the participants as well as the good organization of the conference made a great impression on the project partners. A large team of over 10 students and staff were available at the registration desk to ensure the smooth flow of the event, while personal airport pick-ups were arranged for almost all guests coming from abroad. There were almost 100 participants from the majority of the European countries and the USA.

Folders and posters with the project logo were printed for the event, as well as specialized notebooks and pens, while fridge magnets and trilingual (Polish, Greek and English) calendars were shipped from the coordinator of the event and were passed to guests during registration, together with their name badges. DEYASK presented the campaign they conducted to hoteliers on the island with printed signs containing messages for hotel guests to save water and 10-minute bathroom hourglasses that invite tourists to limit the shower time. The printed signs and hourglasses with the project logo were also given to all event participants. Initially the issues of the project were discussed among the coordinator university representatives and the rest of the partners. Each one of the partners had a separate presentation of the advances made relative to their assigned work packages and towards the completion of the project. Then there were various salutations by the mayor of Skiathos Island, the Governor of the Region of Thessaly, the President of all Greek public water utilities of Greece and mayor of Rethymno, Crete, the president and the executive director of Skiathos water utility and the CERTH partner group leader. During the 2nd day of the event, keynote presentations included the Dr. Sambit Sahu’s (Manager and Research Scientist IBM T.J. Watson Research, New York, USA) presentation on IBM intelligent water solutions, the International Water Association representative for water loss Task Force, who talked about the application of advanced techniques and methodologies in water distribution...
networks for leakage reduction, and various representatives from other ICT4WATER groups (WISDOM, KINDRA and FREEWAT) as well as the coordinator of the EIP Water Action Group Ctrl+SWAN.

Despite the fact that there were a great number of participants in the conference, all talks were given at the scheduled time and there was real-time translation to cover the needs of English and Greek presentations. Experienced translators from Brussels were hired for this purpose and all relevant equipment was rented for the duration of the event.

CERTH and especially DEYASK devoted a great deal of effort to promoting this event. Apart from several posts in the most popular social media, the vice-president of Skiathos public water authority raised the importance of this conference, in accordance with the collective effort made by DEYASK, in the local TV channels and newspapers. DEYASK has also produced a nice TV spot that encourages the viewers to spend less water to save money on their water bills.


3.2.2 2nd Final Event, Poland

The second of the two final events of the ISS-EWATUS project was held in Poland, at the University of Silesia in Katowice on the 30th and 31st of January 2017. The event was organized by three project’s partners from Poland: University of Silesia in Katowice (US), Institute for Ecology of Industrial Areas (IETU) and Municipal Water Company of Sosnowiec (RPWiK). Honorary patrons of the event were prof. dr hab. Andrzej Kowalczyk – Rector of the University of Silesia and dr hab. Danuta Stróż – Dean of the Faculty of Computer Science and Materials Science.

The primary goal of the event was to present the project results to the local authorities and local community. The event was attended by representatives of: water companies – municipal and district water utilities, industry, stakeholders, authorities, NGOs, associations, academics, etc. mostly from Poland, but also from Great Britain, Greece, Spain, Finland and Croatia. About 80 persons took part in the event.

The first day (30.01.2017) included various distinguished invited speakers’ presentations and technical presentations from the members of the project. A poster session, presenting the project results, took place during the second day. The event was an opportunity to discuss and share the project results with the media. The event was transmitted by a local newspaper, radio channels and TV stations. The project coordinator Dr Ewa Magiera gave interviews to the local radio, TV stations and other media. Posters and banners were presented to the public.

The agenda of the meeting covered lectures and presentations from work packages connected with practical use of the project results and problems that should be solved locally with wider implementation of those results. The general discussion started with a lecture given by an invited guest Prof. Bogumil Ulanicki (De Montfort University, Leicester, GB) and covered the problem of pressure control in urban networks. Achievements of the project were presented in details by the coordinator and leaders of work packages. More than 70 guests of the event were included in the discussion. Many discussions started with the presentation of local problems, and solutions were recognized in the various possible implementations of the project results.
Posters, pendrives, bags, notebooks and pens with the project logo were printed for the event, as well fridge magnets and trilingual (Polish, Greek and English) calendars. They were passed to guests during registration, together with their name badges. Sadza soaps, as a symbol of the Silesian region with the logo of the project, were also given to all participants.

The most important items connected with the project were discussed during the meetings. Some points were explained by the lecturers, others during the discussions at the poster session. The meeting, lectures and social events presented a very high scientific and practical level. Very professional English-Polish translation was provided. The high level of translation was recognized and commented by the participants. The organizers put a lot of effort into promoting this event. Apart from several posts in the most popular social media, about 200 invitations had been sent to the key stakeholders – water companies.

3.2.3 Open Public Event, United Kingdom

On 5th of May 2016, the School of Business and Economics at Loughborough University (LU) in the UK hosted a half-day Open Public Event about the ISS-EWATUS project. This three-year EU-funded project is tasked with the design, implementation and evaluation of an integrated set of smart ICT solutions to wasteful water practices at household and urban level. Consortium partners from the UK, Poland and Greece presented interim findings at the event. There were about 50 people attending the open event from different schools across the campus as well as other universities in the UK. Presentations from the experts attracted audience engagement and questioning. In addition to attendees from across the UK, the event was broadcast internationally via Skype. Dr Giliad Fortuna, the Head of the Industrial Excellence Centre in Samuel Neaman Institute in Haifa in Israel, thanked the organiser for the opportunity to engage and remarked, “I appreciated and enjoyed the collaborative research and innovation of the team.”
3.3 Membership in the action groups

The ISS-EWATUS participant Chrysi Laspidou (CERTH) is a member of:
- European Innovation Partnership (EIP), http://ec.europa.eu/environment/water/innovationpartnership/
- Water Supply and Sanitation Technology Platform (WssTP), http://wsstp.eu/

The ISS-EWATUS Partner - CERTH is a member of:
- The Network for Water in European Regions and Cities "Netwerch2o", http://www.netwerch2o.eu/

3.4 Participation in common dissemination ICT4Water and others

Twenty three (FP7 and H2020) projects (some of them are completed): ICeWater, iWIDGET, EFFINET, WatERP, UrbanWater, DAIAD, SmartH2O, WATERNOMICS, WISDOM, WaterInnEU, KINDRA, FREEWAT, BlueSCities, WIDEST, SAFEWATER, POWER, PROTEUS, SIM4NEXUS, Smart.met, SMART-Plant, SUBSOL, WADI and ISS-EWATUS belong to the cluster of Information and Communication Technologies for Water Resources Management (ICT4Water cluster).

The ICT4Water cluster created its own website http://ict4water.eu/, which includes, among others, the cluster’s Newsletter. The cluster has also undertaken a number of joint initiatives. ISS-EWATUS has participated in:

1) the preparation of Newsletter:
   - the fifth issue of the Newsletter (01.2016),
   - the sixth issue of the Newsletter (05.2016),
   - the seventh issue of the Newsletter (09.2016),
   - the eighth issue of the Newsletter (01.2017),
   - the ninth issue of the Newsletter (04.2017 - in print).

2) the preparation of conference sessions, participation in events:
   - ICT4Water cluster projects (WISDOM, KINDRA, FREEWAT), representatives of IWA Water Loss Task Force and IBM T.J. Watson Research (New York, USA) were invited for the ISS-EWATUS 1st Final Event, 1-2.09.2016, Skiathos, Greece (http://issewatus.eu/pluginfile.php/990/mod_resource/content/1/Programme_ISS-EWATUS%20First%20Final%20Event.pdf),
   - Symposium and the Summer School "Smart Systems For Water Management" (http://www2.idsia.ch/cms/smartwater/) in Monte Verità, Switzerland on 22-25.08.2016 – ICT4Water as a linked project,

3) participation in the initiative:
   - Exploitable results from cluster projects (march 2016) – Isle Utilities, an organization that scans the water market for water utilities on new products and services, collected tangible results from the ICT4Water Cluster. ISS-EWATUS prepared an overview of project products and services (http://issewatus.eu/course/view.php?id=76),
- mutual promotion and publication of information on the websites, e.g. about the 1st final event on the ICT4Water website (http://www.ict4water.eu/) and in the ICT4Water newsletter calendar (http://us8.campaign-archive2.com/?u=46ad96ae8c306627be2d57709&bid=619228); about the 2nd final event on the ICT4Water website (http://www.ict4water.eu/) and in the ICT4Water newsletter calendar (http://us8.campaign-archive2.com/?u=46ad96ae8c306627be2d57709&bid=619228); and about the ICT4Water events on the ISS-EWATUS website (http://issewatus.eu/) in the ICT4Water block.

4) preparation of a link page on the ICT4Water website that shows links to all public deliverables of the ICT4Water cluster projects (http://www.ict4water.eu/index.php/project-deliverables/). The deliverables are sorted by topic and link to the original document. In 2016 – 8th new public (accepted by commission) deliverables were published:

- **Data Management Platform**
  - D4.2 – Decision Support System at Urban Level (http://issewatus.eu/pluginfile.php/966/mod_resource/content/1/ISS-EWATUS%20%28619228%29%20D4.2.pdf)
  - D5.2 – Prototype of the Platform (http://issewatus.eu/pluginfile.php/967/mod_resource/content/1/ISS-EWATUS%20%28619228%29%20D5.2.pdf)
  - D5.3 – Final version of the Platform (http://issewatus.eu/pluginfile.php/970/mod_resource/content/1/ISS-EWATUS%20%28619228%29%20D5.3.pdf)

- **Socio-economic**
  - D3.2 – DSS at household level (http://issewatus.eu/pluginfile.php/964/mod_resource/content/1/D3.2%20-%20DSS%20at%20household%20level)
  - D6.2 – Development and Simulation of Adaptive Pricing Mechanisms (http://issewatus.eu/pluginfile.php/972/mod_resource/content/1/ISS-EWATUS%20%28619228%29%20D6.2.pdf)

- **Project plans and reports**
  - D8.2 – Dissemination results (http://issewatus.eu/pluginfile.php/976/mod_resource/content/1/ISS-EWATUS%20%28619228%29%20D8.3.pdf)
  - D7.1 – Plan of Validation and Evaluation (http://issewatus.eu/pluginfile.php/974/mod_resource/content/1/ISS-EWATUS%20%28619228%29%20D7.1.pdf)
  - D8.3 – Dissemination results (http://issewatus.eu/pluginfile.php/976/mod_resource/content/1/ISS-EWATUS%20%28619228%29%20D8.3.pdf)

Information about related projects, which joined the ICT4Water cluster (SAFEWATER, POWER, PROTEUS, SIM4NEXUS, Smart.met, SMART-Plant, SUBSOL, WADI), and links to their websites have been published on the ISS-EWATUS website, in the menu Deliverables/Related projects.

### 4. Publications

#### 4.1 Scientific publications


ISS-EWATUS published the following press releases (Tab. 4).

Tab. 4. ISS-EWATUS press releases

<table>
<thead>
<tr>
<th>Title</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>IETU Open seminar: Zastosowanie modelowania matematycznego i systemu wspomagania decyzji dla optymalizacji ciśnienia oraz obliczania wycieków w sieciach wodociągowych (Application of mathematical modeling and decision support systems for pressure optimization and leakage calculation in water supply networks)</td>
<td>IETU website; <a href="http://www.ietu.katowice.pl/aktual/Seminaria_IETU/16_03_2017/Prezentacja_SemOtrwarteIETU_R_Ulanczyk_P_Cofalka_16_marca%202017_zab.pdf">http://www.ietu.katowice.pl/aktual/Seminaria_IETU/16_03_2017/Prezentacja_SemOtrwarteIETU_R_Ulanczyk_P_Cofalka_16_marca%202017_zab.pdf</a></td>
</tr>
<tr>
<td>Zaproszenie na seminarium dotyczące wspomagania dla sieci wodociągowych (Invitation to the seminar on support for water supply networks), Katowice, 16.03.2017</td>
<td>IETU website; <a href="http://www.ietu.katowice.pl/aktual/Seminaria_IETU/16_03_2017/i_Program_seminarium_16_marca_2017_R_Ulanczyk.pdf">http://www.ietu.katowice.pl/aktual/Seminaria_IETU/16_03_2017/i_Program_seminarium_16_marca_2017_R_Ulanczyk.pdf</a></td>
</tr>
<tr>
<td>Innowacyjne rozwiązania w ramach międzynarodowej współpracy (Innovative solutions in the framework of international cooperation)</td>
<td>Gazeta Uniwersytecka UŚ, marzec 2016 (University of Silesia Newspaper, March 2016) <a href="http://gazeta.us.edu.pl/node/419263">http://gazeta.us.edu.pl/node/419263</a></td>
</tr>
<tr>
<td>Zakończenie projektu europejskiego ISS-EWATUS, galeria zdjęć (Completion of the European ISS-EWATUS project, photos gallery)</td>
<td>University of Silesia website, 31.01.2017; <a href="http://www.us.edu.pl/node/590673">http://www.us.edu.pl/node/590673</a></td>
</tr>
<tr>
<td>Okiem Ekspera. Projekt EWATUS (Expert opinion. EWATUS)</td>
<td>US TV (Internet TV of University of Silesia),</td>
</tr>
</tbody>
</table>
This project has received funding from the European Union’s Seventh Framework Programme for research, technological development and demonstration under grant agreement no [619228]

**D8.4 - Dissemination results**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Okiem Ekspera. Uniwersytet Śląski w Katowicach stawia na innowacje! (Expert opinion. University of Silesia in Katowice focuses on innovations!)</td>
<td>YouTube, 31.01.2017; <a href="https://www.youtube.com/watch?v=VmWPcavfsl">https://www.youtube.com/watch?v=VmWPcavfsl</a></td>
</tr>
<tr>
<td>Powstał prototyp systemu wspomagającego efektywne i oszczędne korzystanie z wody (A prototype of a system supporting the efficient and economical use of water has been developed)</td>
<td>US TV (Internet TV of University of Silesia) facebook, 1.02.2017; <a href="https://m.facebook.com/story.php?story_fbid=1192396304192010&amp;id=104252903006361">https://m.facebook.com/story.php?story_fbid=1192396304192010&amp;id=104252903006361</a></td>
</tr>
<tr>
<td>Zakończenie projektu europejskiego ISS-EWATUS (Completion of the European ISS-EWATUS project)</td>
<td>University of Silesia website, 15 December 2016 <a href="http://www.us.edu.pl/zakonczenie-projektu-europejskiego-iss-ewatus">http://www.us.edu.pl/zakonczenie-projektu-europejskiego-iss-ewatus</a></td>
</tr>
<tr>
<td>ISS-EWATUS 2nd Final Event, Katowice, Poland, 30-31 January 2017</td>
<td>ICT4Water website, 19 October 2016 <a href="http://www.ic4water.eu/">http://www.ic4water.eu/</a></td>
</tr>
<tr>
<td>ΣΥΓΧΡΟΝΟΣ ΡΥΘΜΙΣΤΗΣ ΠΙΕΣΗΣ ΕΓΚΑΤΑΣΤΑΘΗΚΕ ΣΤΗΝ Δ.Ε.Υ.Α ΣΚΙΑΘΟΥ (Modern Pressure Regulator settled in DEYASK Skiathos)</td>
<td>SkiathosLife, 8 September 2016 <a href="https://www.facebook.com/skiathoslife/posts/165607837927252">https://www.facebook.com/skiathoslife/posts/165607837927252</a></td>
</tr>
<tr>
<td>Φωτογραφικό Αλμπουμ απο την καταληκτική διημερίδα του Ευρωπαϊκού προγράμματος ISS – EWATUS που πραγματοποιήθηκε στους φιλόξενους χώρους του Skiathos Palace Hotel (Photogallery from the closing seminar of the European ISS-EWATUS project held in hospitable areas of Skiathos Palace Hotel)</td>
<td><a href="http://skiathosgreece.blogspot.gr">http://skiathosgreece.blogspot.gr</a>, 4 September 2016 <a href="http://skiathosgreece.blogspot.gr/2016/09/iss-ewatus-skiathos-palace-hotel.html">http://skiathosgreece.blogspot.gr/2016/09/iss-ewatus-skiathos-palace-hotel.html</a></td>
</tr>
<tr>
<td>Στη Σκιάθο, μοναδικό δήμο σε όλη τη χώρα, το «έξυπνο νερό» (εικόνες) (Skiathos, unique municipality across the country, the &quot;smart water&quot; (images))</td>
<td><a href="http://skiathosgreece.blogspot.gr">http://skiathosgreece.blogspot.gr</a>, 4 September 2016 <a href="http://skiathosgreece.blogspot.gr/2016/09/blog-post.html">http://skiathosgreece.blogspot.gr/2016/09/blog-post.html</a></td>
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<tr>
<td>Στη Σκιάθο, μοναδικό δήμο σε όλη τη χώρα, το «έξυπνο νερό» (εικόνες) (Skiathos, unique municipality across the country, the &quot;smart water&quot; (images))</td>
<td>ΜΥΥΟΛΟΣ.NET, 3 September 2016 <a href="http://www.myvolos.net/archives/206123">http://www.myvolos.net/archives/206123</a></td>
</tr>
<tr>
<td>Successful completion of the ISS-EWATUS on Skiathos</td>
<td>Skiathostv, 3 September 2016 <a href="https://www.facebook.com/astresskiathostv/videos/535535646653836/">https://www.facebook.com/astresskiathostv/videos/535535646653836/</a></td>
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</table>
4.3 Newsletters

Newsletters and blogs offer an inexpensive and relatively easy way for organisations to gain visibility. They provide dynamic platforms which allow users to browse and share information as well as interact with others on websites. ISS-EWATUS does not publish its own newsletter, but e.g. participates in the ICT4Water Cluster Newsletter and published:

- **ISS-EWATUS: The WaterSocial Pilot.** Newsletter 2016, no. 6 (May 2016). http://us8.campaign-archive2.com/?u=46ad96ae8c306627be2d57709&id=d19e63b967
- **ISS-EWATUS: Successful Open Event.** Newsletter 2016, no. 7 (September 2016). http://us8.campaign-archive2.com/?u=46ad96ae8c306627be2d57709&id=8a7911240f

The news on Konferencja kończąca projekt ISS-EWATUS (The conference ending the ISS-EWATUS project) was published in University of Silesia Newsletter (*Center for Projects and Cooperation with the Economy*), 22.12.2016. Moreover, ISS-EWATUS WaterSocial was included in the March edition of the Waterwise newsletter. This newsletter was chosen as Waterwise is the leading authority on water efficiency in the UK.
4.4 Promotional materials

The following materials have been designed, making the ISS-EWATUS project more recognisable and allowing for the project’s promotion at scientific and non-scientific events such as conferences, symposia and workshops:

- Leaflet (Fig. 2): http://issewatus.eu/mod/resource/view.php?id=218 (new, published in 2016)

![Fig. 2. ISS-EWATUS leaflet](image)

- Comics "ISS-EWATUS presents the 01K Water Stories" in English, Greek and Polish language versions:
- Comics video "ISS-EWATUS presents the 01K Water Stories" in English published on YouTube https://www.youtube.com/watch?v=VaHW6-8dRHc
- Magnets (Fig. 3): (designed in 2016)
  - magnet 1: http://issewatus.eu/mod/resource/view.php?id=460,

![Fig. 3. ISS-EWATUS magnets](image)

- Notepad and pen (Fig. 4): (designed in 2016)

Fig. 4. ISS-EWATUS notepad and pen

- Pendrive (Fig. 5): http://issewatus.eu/mod/resource/view.php?id=464 (designed in 2016)

Fig. 5. ISS-EWATUS pendrive

- Bag (Fig. 6): http://issewatus.eu/mod/resource/view.php?id=465 (designed in 2016)

Fig. 6. ISS-EWATUS bag
- Calendar (Fig. 7): http://issewatus.eu/mod/resource/view.php?id=466 (published in 2016 in English, Polish and Greek language)

- Soap (Fig. 8): http://issewatus.eu/mod/resource/view.php?id=467 – sadza soap, symbol of Silesia region designed for washing, personalized for the ISS-EWATUS project by the label with the project’s logo

- Hourglass and message in a drop (Fig. 9): (designed and personalized for ISS-EWATUS in 2016, presenting the campaign conducted to hoteliers with printed signs containing messages for hotel guests to save water and 10-minute bathroom hourglasses that invite tourists to limit the shower time) hourglass: http://issewatus.eu/mod/resource/view.php?id=470 message in a drop: http://issewatus.eu/mod/resource/view.php?id=469
5. Social media channels

In addition to the official project website, social media channels have been set up (Twitter, Facebook). They aim to facilitate the communication of the project-related activities to a wide external audience and promote the visibility of the project on the most widely used social media channels. According to one of the project aims – a social media platform named WaterSocial, enabling and promoting water-saving behaviour, was created. The WaterSocial platform set up its own social media channels (Twitter, Facebook, Instagram). The link and the spot referring from the ISS-EWATUS platform to the WaterSocial platform was created on the ISS-EWATUS project website.

5.1 The WaterSocial platform

The WaterSocial platform (www.watersocial.org) is a social network based on gamification, user feedback and behavioural changes. A social network is an online community in which people with common interests, goals, or practices interact to share information and knowledge as well as engage in social interaction. Gamification is a recent development trend of persuasive technologies that present the systems to users in a game-like manner. This aim of dissemination was to influence behaviour via the WaterSocial platform and deliver the message to a wide population and sustain user participation. WaterSocial competitions were designed to be simplistic and repeatable. The design (Fig. 10) seeks to exploit the follower base of WaterSocial, on watersocial.org and social media channels, to attract sponsors who would like to support the ethical cause of water conservation, whilst expanding their online reach to potential new users/customers. The end result is new users/customers for both WaterSocial and the Sponsor. This process could be easily replicated by project partners and by other platforms.

![Fig. 10. Competition Process](Image)
5.2 The social media in the dissemination of ISS-EWATUS

Numerous messages about the ISS-EWATUS project have been published on ISS-EWATUS Twitter profile https://twitter.com/issewatus and ISS-EWATUS Facebook profile https://www.facebook.com/issewatus-1001947236497054/?fref=nf

Additionally, Twitter news has been presented on the main ISS-EWATUS project website http://issewatus.eu/ in the block TWEETS. Moreover, ISS-EWATUS tweets have been redirected to the ICT4WAter Twitter profile. Separate Twitter, Facebook and Instagram profiles have been created for the WaterSocial platform – ISS-EWATUS media social platform created as one of the projects results. Social media platforms, such as Twitter, have been used to share similar content that can be found on the WaterSocial platform and to direct users to watersocial.org. As a result of social media activity, the WaterSocial follower base increased to 3,255 followers across Twitter, Instagram and Facebook. Twitter observed a steady and fast increasing follower base, Facebook observed a sharp increase in followers when Facebook paid advertising was arranged, and Instagram follower numbers grew slowly but steadily (Fig. 11).

![Social Media Follower Base](image)

**Fig. 11. Social media follower growth**

Twitter, Facebook and Instagram were used differently to promote WaterSocial in order to reflect the style and use of each platform. This included a variation in the frequency of posts, for example, between 2 – 5 tweets were posted daily on Twitter, whereas Facebook had a maximum of 2. This was because too much content on Facebook would lead to users "unliking" the WaterSocial profile. Instagram is a photo sharing system and considered one of the most popular on the Internet. It was chosen as a platform to broadcast WaterSocial due to it having 400 million active users in 2016, and because photo sharing is also one of the main activities on the WaterSocial platform. Some 28% of online adults use Instagram. 55% of online adults aged 18 to 29 and 28% of online adults aged 30 to 29 use Instagram. Water photographs and images of water-saving tips were shared on the WaterSocial Instagram account. Almost all posts had a link to the platform and used the hashtags #WaterSocial, #watertip, #waterphoto, #savewater.

Twitter is a social network that allows users to share tweets, which are text-based posts of up to 140 characters. This social network was used to attract some of the 320 million active users to the WaterSocial platform. Some 23% of all online adults use Twitter. Twitter is more popular among younger adults – 30% of online adults under 50 use Twitter daily, compared with 11% of online adults aged 50 and older. Both Twitter and Instagram were chosen as their demographics reflect the target audience for WaterSocial. Tweets were posted on Twitter that referred followers to more in-depth information, photos and questions on the WaterSocial platform. Almost all WaterSocial tweets used the hashtag #WaterSocial and included a link to the WaterSocial platform. This was implemented to increase the referral rate of users from Twitter to Twitter. All content generated on the WaterSocial platform, such as photos and tips, were automatically generated as a
tweet with a link to the WaterSocial webpage. Twitter was also used to create organic tweets. These manual tweets were designed to inform and engage followers in water saving and reflect the existing content on the WaterSocial platform.

**Facebook** allows users to share videos, photos, news articles and write messages on their friends’ “timeline”. Similarly to Instagram and Twitter, posts were shared on Facebook that exhibited the water saving ethos of the platform and which also reflected the key activities of the platform: photo and tip sharing. In addition, posts were shared that tapped into Facebook users’ interests, such as sharing short videos and links to news articles, which all related to water conservation.

**YouTube**. Web links to the WaterSocial platform were shared on relevant water efficiency videos on YouTube. This activity was chosen to direct people who are already interested in learning about water conservation to the WaterSocial platform.

### 6. Spreading the knowledge to users

General information about the ISS-EWATUS project and the project results have been presented to a wide local and international audience during conferences, workshops and special days, in papers, press releases, ICT4Water Newsletters, during publishing and presenting promotional materials.

The consortium organized also events allowing hands-on experience aiming at raising end-users awareness towards the project and events (activities) to familiarize users with the tools of the WaterSocial platform.

#### 6.1 Hands-on experience events

These meetings include two final events taking place in Greece and Poland, an open public event in United Kingdom and an open seminar organized by The Institute for Ecology of Industrial Areas in Poland. The project results were also presented and discussed outside the European countries – the project representative was invited by Shenzhen Water Corporation from China to a research seminar in Shenzhen (13.10.2016).

- **1st Final Event, 1-2.09.2016, Skiathos, Greece.** The agenda included presentations from all work packages relating to the successful implementation of the project, while emphasis was given to the Skiathos case study and the benefits of the project for the local community and Greek water utilities in general, which gain invaluable know-how on new technologies being introduced in the urban water sector. The event was accompanied by salutation of many official guests, especially from several Greek authorities, internationally recognized researchers on water management topics and representatives from other ICT4WATER European projects. The impact this conference had on the residents of Skiathos has certainly helped positively the major goals i.e. optimum water management, the reduction of water distribution network leakage and raised awareness of the local community relative to water conservation. Furthermore, there was great participation of the water utility staff and a great opportunity for them to (a) stand with the water community to influence government regulations and legislation, (b) learn about issues before they become full-blown crises, (c) provide professional development opportunities to other staff members and (d) improve their day-to-day operations. About 80 persons took part in the event, including 28 persons from 12 water companies.

- **2nd Final Event, 30-31.01.2017, Katowice, Poland.** The primary goal of the event was to present the project results to the local authorities and local community and start a new era in water consumption with lower leakage. The event was attended by representatives of: water companies – municipal and district water utilities, industry, stakeholders, authorities, NGOs, associations, academics, etc. mostly from Poland, but also from Great Britain, Greece, Spain, Finland and Croatia. About 80 persons took part in the event, including 45 persons from 22 water companies.
- **Open Public Event, 5.05.2016, Loughborough, United Kingdom.** Consortium partners from the UK, Poland and Greece presented interim findings at the event. There were about 50 people attending the open event from different schools across the campus as well as other universities in the UK. Presentations from the experts attracted audience engagement and questioning. In addition to attendees from across the UK, the event was broadcast internationally via Skype. Dr Giliad Fortuna, the Head of the Industrial Excellence Centre in Samuel Neaman Institute in Haifa in Israel, thanked the organizer for the opportunity to engage.

- **IETU Open seminars, 16.03.2017, Katowice, Poland.** The consortium partner IETU, from Poland, organized an open seminar entitled The use of mathematical modeling and a decision support system for pressure optimisation and leakage calculation in water supply networks. 22 persons took part in the event, including 18 persons from 4 water companies.

### 6.2 Forms and results of familiarizing users with the WaterSocial tools

WaterSocial is an advanced gamified social media platform specially designed for promoting efficient water use. This platform is unique in its vision to harness gamification and social media to reinforce water saving behaviours. The platform is based on the activities for users, their interactions with other users and an overall gamification layer, which rewards them in their activities and interactions. Members can monitor their progress within the WaterSocial community through the leader board.

A number of dissemination activities were carried out between 1st January 2016 and 30th December 2016. Strategies were tailored to two target audiences (Fig. 12). First, these were water stakeholders. The reason to attract water stakeholders was because this group is already interested in water conservation and could generate water saving content on the WaterSocial platform. Activities also endeavoured to engage the general public. This group posed the hardest challenge to engage, however this group was targeted as they offered more impact if they used WaterSocial and learnt to reduce their water wastage.

![Fig. 12. Target audience and dissemination activities](image)

Two types of strategies were used in conjunction to target the two types of audiences: online and offline activities (Fig. 13).
This dissemination strategy focused on a selected number of activities:
1. Online activities: a) Social media: the use of social media platforms to share water saving messages. b) newsletters and blogs that detailed the WaterSocial platform.
2. Offline activities: a) Competitions: to enhance the gamification layer. b) School visits: pupil engagement that showcased the WaterSocial platform. These activities are related as they all publicized the WaterSocial platform by promoting water saving messages. Their monitoring and analysis help in evaluating whether a measurable user uptake has been observed and assessing the types of messages used and the degree of relevance to users.

- **Online activities. Social media.** The majority of the online adult population use social media. Timely and relevant information can be quickly and easily shared with a vast audience. Social media was a key activity in striving to increase the online activity of the platform.

The engagement rate between the social media platforms varied, Tab. 5. The highest engagement rate was observed on Instagram, though this was the profile with the least amount of followers and content was posted less frequently than on Twitter and Facebook.

To better understand the effectiveness of each platform at generating new users to the WaterSocial platform, the referral rate of watersocial.org was used to compare them. Tab. 6 shows that Twitter activity produced 80% of referral visits to the platform. This is a total of 1,073 visits to the platform in 2016.

<table>
<thead>
<tr>
<th>Platform</th>
<th>Followers</th>
<th>Posts</th>
<th>Average engagement rate</th>
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The average weekly growth rate of *Instagram* followers from February 15th 2016 to January 1st 2017 was 3.8%. This was an average of 4 new followers a week. The average engagement per Instagram post was 7%. The profile engagement was calculated as the sum of all likes and comments divided by the number of followers.
during the selected time frame. The pattern of engagement is demonstrated in Fig. 14. Peaks in engagement can be seen in May, when the first social media competition was run, and at the end of July and October, when other competitions were run on Instagram. It is observed that engagement is low unless there is a live competition.

![Instagram Engagement](image)

**Fig. 14. Instagram Engagement**

Competitions were trialled on [Twitter](https://twitter.com). As a pull mechanism, competitions invited users to carry out tasks that could be done on watersocial.org, for example, sharing a photo of water. After a user had entered a competition they received an automated message notifying them that if they logged onto watersocial.org they could redeem the points for sharing a photo on Twitter.

The online exposure of WaterSocial on Twitter is the total number of times tweets about WaterSocial were delivered to Twitter streams, or the number of overall potential impressions generated. The total exposure of WaterSocial was over 300,000 impressions, Fig 15.

![Total Twitter Impressions](image)

**Fig. 15 Total Twitter Impressions**

- **Online activities. News and blogs.** WaterSocial platform news bulletins were shared via email with WaterSocial members and consortium partners three times a week. These emails highlighted the weekly activity on the platform.

  Blog posts enable a detailed story to be expressed, which can attract readers to visit a website for more information. WaterSocial featured as a guest blogger on The Blueprint for Water website. This organisation was chosen because it is a coalition of 16 influential environmental, water and fisheries organisations within the UK.

- **Offline activities. Competitions.** Offline activities were selected as a method to connect with groups of people who may not otherwise discover WaterSocial organically online. These activities were a mixture of school visits facilitating competitions that motivated people to enter online.

  Competitions were a key element used to promote the use of the platform and grow the WaterSocial ‘brand’. Competitions were devised to enrich the gamification layer of the platform. Three types of competitions were designed 1) exclusively for WaterSocial members on watersocial.org, 2) to the general public on social media and for 3) school pupils during school visits.
The type of competitions: Competitions on watersocial.org were based on a points system. Users needed to reach the top of the leader board in order to win. Users gained points from every task they carried out on the platform, for example – entering their water consumption into the Water Diary feature. Therefore, users could choose the activities they carried out to earn the most points.

1) Social media competitions asked the public to enter using a specific task, for example sharing a photo of water. These photos were later ‘pulled’ onto the See and Share map on the platform as contributions.

2) School competitions combined the two approaches of points and setting a specific task. A points target was set and pupils were informed that they could share photos of water or water saving tips to earn the points.

A total of 141 photos were shared as a result of WaterSocial competitions on social media. The channel with the highest user engagement rate, across social media and the WaterSocial platform, was Twitter. The Twitter’s platform provided an effective channel for instant engaging a wide audience, which resulted in user content being generated with the relevant competition hashtag.

- Offline activities. School visit. Push marketing, which typically involves offline activities, pushes content out to prospective users. School visits were used as a push mechanism. Engaging school pupils is aligned to Government policy, which encourages water efficiency to be taught to pupils. London was chosen as the location due to the fact of being situated in a water stress area.

Holy Trinity COE Primary School was chosen due to its large size and the diversity of the pupils. A whole school assembly and water workshops were carried out on March 14th 2016. 360 pupils were introduced to WaterSocial on the day.

At Godolphin and Latymer School, London, 8 workshops were delivered to 44 Year 7 pupils on 7th and 28th of November. Pupils were set the challenge to compete between classes to generate the most points on the platform through the sharing of photos and tips.

The University of Silesia, Poland, was chosen, as along with Germany, Spain, Italy and the UK, Poland has the least available water per capita. At the university open day of the Institute of Computer Science on April 6th 2016, around 50 students were invited to browse the WaterSocial platform.

At Brunel University, London, a competition was run from 26th to 30th September 2016. Students were invited to enter an online competition to share their best water photo via Twitter, Facebook, or Instagram. A prize was on offer for the first and runner-up positions.

The online reach in the application of media analysis refers to the total number of different people or households exposed, at least once, to a medium during a given period. User referral is the reported visits to a site from sources outside of a search engine. When someone clicks on a hyperlink to go to a new page on a different website, Analytics tracks the click as a referral visit to the second site.

Primary Schools. Due to school protocol, primary school pupils are too young to use the WaterSocial platform unsupervised. Pupils were set the task to take photos to be shared on the platform by their teachers. The aim was to have the pupils consider the concept of WaterSocial, which is to demonstrate and discuss water saving behaviours. The pupils were fully engaged with the activity to take photos to identify ‘water smart’ and ‘water silly’ areas around the school.

A total of 360 primary school pupils were introduced to the WaterSocial platform. A group of 26 students took over 100 water-related photos to share on the WaterSocial platform. Due to duplication, five photos were uploaded onto the WaterSocial see and share interactive map.

Secondary Schools. Having gained satisfactory feedback that the primary school pupils had connected with the water saving concept of WaterSocial, it was time to explore pupil engagement with the gamification element of WaterSocial. To do this, a cross class competition was devised to set the pupils the challenge to reach a points target through the sharing of photos and tips on the platform.
Four classes of Year 7 were set the challenge to reach the target of 6,000 points on the WaterSocial platform. The number of points generated by all 44 pupils was 6,459 through the sharing of 75 photos and 13 water saving tips.

The pupils particularly enjoyed using the See and Share map to view images and tips. The map provided the opportunity for the students to analyse which water images provoked them to consider water conservation and to discuss which water saving tips they would like to incorporate into their daily water habits. The pupils commented that the task to compete against friends motivated them to participate and to visit watesocial.org to compare what their friends had shared.

Tertiary. To gauge university students’ interest in the platform, students were invited to browse watesocial.org during the open day at the University of Silesia. Around 50 students visited the platform and 5 photos were uploaded onto the WaterSocial See and Share map.

A competition to promote WaterSocial to university students was conducted on Twitter, Facebook and Instagram. The aim was to bring WaterSocial competitions to platforms that students and young people already use daily. The objective was to indirectly promote watesocial.org. Prizes were used to motivate participation. The competition was promoted offline via a stand at the university market. Students took a notable interest in the competition once they discovered that there were prizes to be won. As a result of the stand, a total of 44 photos were shared on WaterSocial by 18 participants via Twitter, Facebook and Instagram. The competition did not result in a notable change in the number of visits to the platform.

Overall user referral. The inputs were all carried out from 1st January 2016 to 1st January 2017. In this time period, strategies collectively resulted in 522 registered members accessing the platform (for more details on the WaterSocial member growth see Fig. 16), which had an average of around 4.5 pages per session. There were a total of 5846 visitors to the platform, generating a total of 2,851 user sessions, amounting to a total of 26,809 pages viewed. The average time spent browsing the WaterSocial platform was just over 7 minutes. 1,337 sessions on the WaterSocial platform were referrals from external social media platforms. 80% (1,037) of referral visits to the platform were referred via Twitter. Twitter also accounts for 22% of all user visits, which is the largest amount from one input.

Of all the WaterSocial platform activity, 48% were new user sessions. It is apparent that Twitter provided a steady increasing flow of interest, both on Twitter and by referring users to visit the WaterSocial platform. It has been noted that tweets that resulted in higher than average levels of engagement were posts using photos or images. Tweets that included an image that contained information on saving water was more likely to be retweeted, thereby increasing the tweet impressions for that post.

Fig. 16. WaterSocial Member Growth
The pattern of sessions on the platform can be seen in Fig. 17. This graph illustrates a similar pattern to the pattern of Twitter impressions and Instagram engagement. This indicates that online competitions on external social media platforms resulted in an increase in the number of visits to the WaterSocial platform.

WaterSocial content generation. To evaluate the outcome of the holistic approach to disseminate the WaterSocial platform, the amount of generated content was assessed. Data from the three main tasks were recorded. During this time period, 24 users uploaded 76 photos. A total of 38 water saving tips were shared by 15 members. Altogether 34 users entered water use data a total of 375 times into the Water Diary. When compared to the number of user sessions and the amount of content generated, the vast majority of visitors were content consumers. The large majority did not generate content. Content generation was caused by competitions as part of the two pilot studies, offline push marketing with students, and through competitions on social media platforms, such as Twitter, Facebook and Instagram.

7. Conclusions

The consortium has been active both in disseminating knowledge acquired during its third year by means of quality targeted talks at important events and in promoting communication at a Pan-European level.

A core part of the ISS-EWATUS dissemination strategy has been the participation of consortium-members in the most subject-relevant events in Europe and, where possible, beyond.

The total number of scientific publications published in the years 2014–2017 is 36. The list of all scientific publications relating to the foreground of the project is presented in Annex 2. The list of all dissemination activities, realised in years 2014–2017 – e.g. participation in conferences, workshops, exhibitions, organisation of conference’s sessions and open events, presentations, posters, websites, press releases, videos, interviews, promotional materials (e.g. poster, flyers, comics, gadgets) – is presented in Annex 3.

The consortium has adopted pertinent commercialization pathways by devising a twofold go-to-market strategy that will entail: a) exploitation of the individual components and; b) exploitation of the integrated ISS EWATUS solution. The exploitation plan (deliverable 8.5 after 30 months) presents all different components with their features, customer segments and added value, as well as the integrated solution with the market analysis, revenue streams, cost analysis.

Number of unique visitors of ISS-EWATUS website

Number of subpage views of ISS-EWATUS website

- Related projects: 9539
- Publications: 9741
- PU deliverables: 7280
- Project overview: 3505
- Project meetings: 5011
- Press releases: 14205
- Newsletters: 3254
- Newsflash: 4547
- Leaflets/posters/gadgets/comics: 7427
- Home: 65675
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<td>Froelich, W.</td>
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<td>ISS-EWATUS an example of integrated system for efficient water management.</td>
<td>Magiera, E.</td>
<td>Proceedings of the conference Computing and Control for Water Industry (CCWI)</td>
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<td>Wang, Z.,</td>
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<td>Incorporating persuasion into a decision support system: The case of the water user classification function.</td>
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<td>Yang, L.</td>
<td>Procedia Computer Science 8th International Conference on Advances in Information Technology, IAIT2016, 19-22 December 2016</td>
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### Annex 3. List of dissemination activities 2014-2017

Website - 2; participation in conference (workshop, seminar, open event, festival, exhibition) - 48; presentation - 74, event organisation (conference, seminar, open event) - 6; session (organisation, chairing) - 8; press release - 45; video - 5; interview - 3; newsletters - 11; promotional materials - poster, roll-up, leaflet, video, comics, calendar, magnets, pendrive, bag, pendant, hourglass and message in a drop, notepad and pen

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<td>16.03.2017</td>
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progressive water prices can be regressive; 5) Decision support system for household water consumption; 6) Tips and water diary as a way to change behaviour of water consumers; 7) The gamified social media platform for water efficiency

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<td>5.</td>
<td>Presentation</td>
<td>LU</td>
<td>WISDOM Final Event. Presentation: Improving People's water consumption behaviour by employing Internet of Things Technologies</td>
<td>19.01.2017</td>
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<td>7.</td>
<td>Exhibition</td>
<td>US</td>
<td>6th Photographic Biennale of University of Silesia &quot;Science – impossible-possible&quot;. Photo &quot;Map of water images - save water and enjoy it in life, Carmel, February 2016&quot; submitted for the competition have been qualified for the exhibition</td>
<td>October 2016 (competition) – April 2017 (exhibition)</td>
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<td>8.</td>
<td>Presentation</td>
<td>VU</td>
<td>14th International Computing and Control for Water Industry (CCWI) Conference. Presentation: ISS-EWATUS an example of integrated system for efficient water management</td>
<td>7-9.11.2016</td>
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<td>9.</td>
<td>Presentation</td>
<td>LU</td>
<td>Invited research seminar. Presentation: Global Internet of Things for water consumption management at household level</td>
<td>13.10.2016</td>
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<td>10</td>
<td>Presentation</td>
<td>US</td>
<td>Silesian Science Festival. Presentation: Results of ISS-EWATUS</td>
<td>13-15.10.2016</td>
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<td>11</td>
<td>Presentation</td>
<td>IETU</td>
<td>XIV Konferencja Gospodarka wodno-ściekowa na terenach niezurbanizowanych (Conference on water and sewage management in non-urbanized areas). Presentation: Systemy wspomagania dla gospodarki wodno-ściekowej w obliczu zmian klimatu i innych zmian w środowisku (Support systems for water and wastewater management in the face of climate change and other environmental changes)</td>
<td>4-5.10.2016</td>
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<td>13</td>
<td>Presentation</td>
<td>LU</td>
<td>22nd International Conference on Automation and Computing (ICAC). Presentation: Incorporating persuasion into a decision support system: the case of the water user classification function</td>
<td>7-8.09.2016</td>
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<td>14</td>
<td>Presentation</td>
<td>CERTH DEYASK</td>
<td>ISS-EWATUS 1st Final Event. Presentations: 1) Presentation of ISS-EWATUS project; 2) WSS for improving household water consumption behaviour; 3) Forecasting water demand with FCM; 4) ISS-EWATUS Water Diary: Participatory approach for water savings; 5) Estimation of leakage in water distribution networks; 6) WaterSocial Platform; 7) Presentation of DEYASK, Skiathos water utility; 8) Presentation of Skiathos Case Study; 9) DEYASK after ISS-EWATUS; 10) ISS-EWATUS: Dynamic water pricing tool</td>
<td>1-2.09.2016</td>
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<td>Conference</td>
<td>CERTH DEYASK</td>
<td>ISS-EWATUS 1st Final Event</td>
<td>1-2.09.2016</td>
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<td>16</td>
<td>Presentation</td>
<td>US</td>
<td>Symposium and the Summer School. Presentation: Forecasting water demand</td>
<td>22-25.08.2016</td>
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<td>17</td>
<td>Presentation</td>
<td>US, CERTH BU LU DS DEYASK IETU RPWIK UPO</td>
<td>13th IWA (the International Water Association) Leading Edge Conference on Water and Wastewater Technologies &quot;Evaluating Impacts of Innovation&quot;. ICT4Water Cluster workshop &quot;ICT4Water drives circular economy. The impacts of innovation in FP7/H2020 projects&quot;. Presentation: ISS-EWATUS – Skiathos (EL), Sosnowiec (PL)</td>
<td>13-17.06.2016</td>
</tr>
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</table>

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D8.4 - Dissemination results
<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
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<th>US</th>
<th>CERTH</th>
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<th>LU</th>
<th>DS</th>
<th>DEYASK</th>
<th>IETU</th>
<th>RPWiK</th>
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<tr>
<td>18</td>
<td>Session - chairing</td>
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<td>13th IWA (the International Water Association) Leading Edge Conference on Water and Wastewater Technologies &quot;Evaluating Impacts of Innovation&quot;. ICT4Water Cluster workshop &quot;ICT4Water drives circular economy. The impacts of innovation in FP7/H2020 projects&quot;. Session &quot;Round Table FP7 ICT-2013&quot; - chairing</td>
<td>13-17.06.2016</td>
<td>Jerez de la Frontera</td>
<td>Spain</td>
<td>key water stakeholders, researchers, academics</td>
<td>75</td>
<td>multiple countries</td>
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20. **Session - organisation, chairing**
   - **US UPO**
   - 8th International Conference on Intelligent Decision Technologies, KES-IDT-16. Session: Intelligent Decision Technologies for Water Resources Management (IS02) and Recent Advances in Fuzzy Systems (IS09) - organisation and chairing
   - 15-17.06.2016
   - Tenerife, Spain
   - academics and researchers
   - 180
   - multiple countries

21. **Presentation**
   - **US**
   - Kongres SMART – Inteligentne Miasta (Congress SMART – Intelligent Cities). Presentation: ISS-EWATUS przykładem innowacyjnego systemu informatycznego w zakresie zarządzania zasobami wody w mieście i gospodarstwach domowych (ISS-EWATUS example of an innovative system for the management of water resources in the city and households)
   - 25.05.2016
   - Wrocław, Poland
   - local administration, scientists, industry
   - 100
   - Poland

22. **Presentation (7)**
   - **LU US BU CERTH DS IETU RPWiK**
   - 05.05.2016
   - Loughborough, United Kingdom
   - researchers, academics
   - 50
   - multiple countries
<table>
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<tr>
<th>No.</th>
<th>Dissemination Activity</th>
<th>Duration</th>
<th>Activities &amp; Details</th>
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<tr>
<td>23.</td>
<td>Conference (Open Public Event) - organisation</td>
<td>05.05.2016</td>
<td>ISS-EWATUS Open Public Event</td>
<td>Loughborough United Kingdom</td>
<td>researchers, academics</td>
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<td>27.</td>
<td>Presentation</td>
<td>06.04.2016</td>
<td>Open Day of the Institute of Computer Science. Presentation and workshop: Czy ICT może zmienić zachowanie użytkowników wody? (If ICT can change the behavior of water users?)</td>
<td>Sosnowiec Poland</td>
<td>academics, students, pupils</td>
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<td>No.</td>
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<td>28</td>
<td>Seminar and workshop (Open day) - coorganisation</td>
<td>US</td>
<td>Open Day of the Institute of Computer Science: Czy ICT może zmienić zachowanie użytkowników wody? (If ICT can change the behavior of water users?)</td>
<td>06.04.2016</td>
<td>Sosnowiec Poland</td>
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<tr>
<td>29</td>
<td>Press release</td>
<td>IETU</td>
<td>IETU Open seminar: Zastosowanie modelowania matematycznego i systemu wspomagania decyzji dla optymalizacji ciśnienia oraz obliczania wycieków w sieciach wodociągowych (Application of mathematical modeling and decision support systems for pressure optimization and leakage calculation in water supply networks)</td>
<td>16.03.2017</td>
<td>IETU website</td>
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<td>30</td>
<td>Press release</td>
<td>IETU</td>
<td>Zaproszenie na seminarium dotyczące wspomagania dla sieci wodociągowych (Invitation to the seminar on support for water supply networks)</td>
<td>09.03.2017</td>
<td>email news</td>
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<td>31</td>
<td>Press release</td>
<td>US</td>
<td>Innowacyjne rozwiązania w ramach międzynarodowej współpracy (Innovative solutions in the framework of international cooperation)</td>
<td>03.2017</td>
<td>Gazeta Uniwersytecka US, marzec 2016 (University of Silesia Newspaper, March 2016)</td>
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<td>32</td>
<td>Press release</td>
<td>US</td>
<td>Zakończenie projektu europejskiego ISS-EWATUS, galeria zdjęć (Completion of the European ISS-EWATUS project, photos gallery)</td>
<td>31.01.2017</td>
<td>University of Silesia website</td>
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<td>33</td>
<td>Press release</td>
<td>US</td>
<td>Okiem Eksperta.Projekt EWATUS (Expert opinion. EWATUS project)</td>
<td>31.01.2017</td>
<td>UŚ TV (Internet TV of University of Silesia),</td>
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<td>US</td>
<td>YouTube, students</td>
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<td>35.</td>
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<td>US</td>
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<td>36.</td>
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<td>YouTube, students</td>
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<td>Press release (interview)</td>
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<td>Press release</td>
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<td>Zakończenie projektu europejskiego ISS-EWATUS (Completion of the European ISS-EWATUS project)</td>
<td>15.12.2016</td>
<td>University of Silesia website</td>
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<td>40</td>
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<td>US</td>
<td>ISS-EWATUS 2nd Final Event, Katowice, Poland, 30-31 January 2017</td>
<td>19.10.2016</td>
<td>ICT4Water website</td>
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<td>41</td>
<td>Press release</td>
<td>DEYASK</td>
<td>Σκιάθος: Πρωτοποριακό πρόγραμμα διαχείρισης του νερού (Skiathos: Innovative water management program)</td>
<td>08.09.2016</td>
<td>THESSALIATV</td>
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<td>42</td>
<td>Press release</td>
<td>DEYASK</td>
<td>Φωτογραφικό Αλμπουμ απο την καταληκτική διημερίδα του Ευρωπαϊκού προγράμματος ISS – EWATUS που πραγματοποιήθηκε στους φιλοξένους χώρους του Skiathos Palace Hotel (Photogallery from the closing seminar of the European ISS-EWATUS project held in hospitable areas of Skiathos Palace Hotel)</td>
<td>04.09.2016</td>
<td><a href="http://skiathosgreece.blogspot.gr">http://skiathosgreece.blogspot.gr</a></td>
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<td>43</td>
<td>Press release</td>
<td>DEYASK</td>
<td>Στη Σκιάθο, μοναδικό δήμο σε όλη τη χώρα, το «έξυπνο νερό» (εικόνες) (Skiathos, unique municipality across the country, the &quot;smart water&quot; (images))</td>
<td>04.09.2016</td>
<td><a href="http://skiathosgreece.blogspot.gr">http://skiathosgreece.blogspot.gr</a></td>
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<td>44</td>
<td>Press release</td>
<td>DEYASK CERTH</td>
<td>Successful completion of the ISS-EWATUS on Skiathos</td>
<td>03.09.2016</td>
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<td>DEYASK CERTH</td>
<td>Successful completion of the ISS-EWATUS on Skiathos</td>
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<td>DEYASK CERTH</td>
<td>ISS-EWATUS 1st Final Event – closing ceremony of the conference</td>
<td>02.09.2016</td>
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<td>DEYASK CERTH</td>
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<td>49.</td>
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<td>DEYASK CERTH</td>
<td>Δημορία για την ορθολογική χρήση του νερού στη Σκιάθο (Colloquium for the rational use of water in Skiathos)</td>
<td>01.09.2016</td>
<td>MYVOLOS.NET</td>
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<td>DEYASK CERTH</td>
<td>Growth in the meeting of the European programme ISS-EWATUS</td>
<td>17.08.2016</td>
<td>Skiathostv</td>
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<td>Growth in the meeting of the European programme ISS-EWATUS</td>
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<td>52.</td>
<td>Press release</td>
<td>LU</td>
<td>EU-funded water management research workshop attracts global audience</td>
<td>23.05.2016</td>
<td>Loughboroug h University website</td>
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<td>Konferencja kończąca projekt ISS-EWATUS (The conference ending the ISS-EWATUS project)</td>
<td>22.12.2016</td>
<td>University of Silesia Newsletter, Center for Projects and Cooperation with the Economy</td>
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<td>Integrated Support System for Efficient Water Usage and Resources Management</td>
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<td>Sosnowiec Poland</td>
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<td>Promotional materials - Calendar</td>
<td>US DS</td>
<td>Calendar 2017: Integrated Support System for Efficient Water Usage and Resources Management; Ολοκληρωμένο Σύστημα Υποστήριξης για την Αποτελεσματικότερη Χρήση Νερού και Διαχείριση Πόρων; Zintegrowany system informatyczny wspomagania efektywnego wykorzystywania wody</td>
<td>01.06.2016</td>
<td>Sosnowiec Poland</td>
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<td>CERTH DEYASK</td>
<td>Integrated Support System for Efficient Water Usage and Resources Management</td>
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<td>issewatus.eu; watersocial.org</td>
<td>01.06.2016</td>
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<td><strong>68.</strong></td>
<td><strong>Presentation</strong></td>
<td><strong>CERTH</strong></td>
<td>2nd International Electronic Conference on Sensors and Applications, Presentation: Spatial and temporal disaggregation of water demand and leakage of the water distribution network in Skiathos, Greece</td>
<td>15-30.11.2015</td>
<td>Skiathos Greece</td>
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<td><strong>70.</strong></td>
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<td><strong>US</strong></td>
<td>Conference: Science, Administration and Business for Smart City, 21.10.2015, Katowice, Poland, Presentation: Efficient water usage in the Smart City as an example of ICT4Water initiatives</td>
<td>21.10.2015</td>
<td>Katowice Poland</td>
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<td><strong>71.</strong></td>
<td><strong>Presentation</strong></td>
<td><strong>CERTH</strong></td>
<td>Special day - development opportunities for the islands of the North Sporades island complex, 26.09.2015, Skiathos, Greece, Presentation and poster: ISS-EWATUS project</td>
<td>26.09.2015</td>
<td>Skiathos Greece</td>
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<td><strong>72.</strong></td>
<td><strong>Presentation</strong></td>
<td><strong>UPO</strong></td>
<td>2015 International Meeting of the Network of Grey Systems, 22-24.09.2015, Bucharest, Rumania, Presentation: The FCM-based model for forecasting the daily water demand</td>
<td>22-24.09.2015</td>
<td>Bucharest Rumania</td>
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<td>US</td>
<td>International Conference BDAS, 26-29.05.2015, Ustroń, Poland, <a href="http://bdas.polsl.pl/">http://bdas.polsl.pl/</a> Presentation: Forecasting Daily Urban Water Demand Using Dynamic Gaussian Bayesian Network</td>
<td>26-29.05.2015</td>
<td>Ustroń Poland</td>
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<td>89.</td>
<td>Press release</td>
<td>DS</td>
<td>Μετά την &quot;Ανοιχτή Μέρα Νερού&quot;! (After &quot;Open Water Day&quot;), DOTSOFT blog, 27 July 2015 <a href="http://www.dotsoft.gr/blog/post/DAIAD">http://www.dotsoft.gr/blog/post/DAIAD</a></td>
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<td>27.07.2015</td>
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<td>Το ΠΣΥ παρουσιάζει ερευνητικό έργο για τη βελτίωση της χρήσης του νερού, (Report from DAIAD Open Day) NetWeek Online, 9 June 2015 <a href="http://www.netweek.gr/default.asp?pid=9&amp;la=1&amp;clID=5&amp;arId=30013">http://www.netweek.gr/default.asp?pid=9&amp;la=1&amp;clID=5&amp;arId=30013</a></td>
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<td>ISS-EWATUS on the Open Water Day in Athens, DOTSOFT blog, 4 June 2015 <a href="http://www.dotsoft.gr/en/blog/post/Water%20Day">http://www.dotsoft.gr/en/blog/post/Water%20Day</a></td>
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<td>ISS-EWATUS on the Open Water Day in Athens (Το «ISS-EWATUS» στην Ανοιχτή Μέρα για το Νερό στην Αθήνα), DOTSOFT blog, 4 June 2015 <a href="http://www.dotsoft.gr/blog/post/Water%20Day">http://www.dotsoft.gr/blog/post/Water%20Day</a></td>
<td>04.06.2015</td>
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<td>Press release</td>
<td>US</td>
<td>ISS-EWATUS Project will participate in Open Water Day in Athens (Projekt ISS-EWATUS będzie uczestniczyć w Open Water Day w Atenach), University of Silesia website, 3 June, 2015 <a href="https://www.us.edu.pl/projekt-iss-ewatus-bedzie-uczestniczyc-w-open-water-day-w-atenach">https://www.us.edu.pl/projekt-iss-ewatus-bedzie-uczestniczyc-w-open-water-day-w-atenach</a></td>
<td>03.06.2015</td>
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<td>RPWiK</td>
<td>Request for participation in survey on EU research project ISS-EWATUS (Prośba o udział w ankiecie dotyczącej unijnego projektu badawczego ISS-EWATUS), RPWiK website, 22.12.2014 [2 January 2015]</td>
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<td>Newsletter</td>
<td>US</td>
<td>ISS-EWATUS - ICT Water Management for Smart City. Newsletter 2015, no. 2</td>
<td>26.02.2015</td>
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<td>Newsletter</td>
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<td>ISS-EWATUS installs smart water equipment in Poland and Greece. Newsletter 2015, no. 3</td>
<td>13.05.2015</td>
<td>ICT4Water Newsletter academics, researchers, water stakeholders</td>
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<td>Newsletter</td>
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<td>ISS-EWATUS EGA APPLICATION - PLAY AND SAVE! Newsletter 2015, no. 4</td>
<td>11.09.2015</td>
<td>ICT4Water Newsletter academics, researchers, water stakeholders</td>
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<td>Promotional materials - Pendant</td>
<td>US</td>
<td>ISS-EWATUS; ict4water.eu</td>
<td>01.04.2015</td>
<td>Sosnowiec Poland academics, researchers, water stakeholders</td>
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<td>01.12.2015</td>
<td>Sosnowiec Poland water users</td>
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<td>Conference Horizon 2020 &quot;Challenges for Polish Science&quot;. Presentation: Best practices in the field of international cooperation - How to successfully obtain a research project as a coordinator of an international consortium</td>
<td>27.11.2014</td>
<td>Gliwice Poland</td>
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<td><strong>104.</strong></td>
<td>Presentation</td>
<td>CERTH</td>
<td>Conference Water IDEAS - Intelligent Distribution for Efficient and Affordable Supplies. Presentation: Urban Water Demand Forecasting for the Island of Skiathos</td>
<td>22-24.10.2014</td>
<td>Bologna Italy</td>
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<td><strong>105.</strong></td>
<td>Presentation</td>
<td>LU, US</td>
<td>Waterwise Annual Conference &quot;Gamifying Water&quot;. Presentation: ISSEWATUS FP7 project</td>
<td>16-17.09.2014</td>
<td>Oxford United Kingdom</td>
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<td><strong>106.</strong></td>
<td>Poster</td>
<td>LU</td>
<td>20th Intentional conference on Automation and Computing. Presentation: poster which described the latest technologies developed in the LU team for ISS-EWATUS project</td>
<td>12-13.09.2014</td>
<td>Cranfield University United Kingdom</td>
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<td><strong>107.</strong></td>
<td>Presentation</td>
<td>LU</td>
<td>Summer School organized by Prof. Bartel van de Walle. Dissemination of the ISS-EWATUS program. Presentation: poster which described the latest technologies developed in the LU team for ISS-EWATUS project</td>
<td>11-15.08.2014</td>
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<td>Smart Water and ICT special session and Clustering event, WDSA 2014. Presentation: Urban water demand forecasting for the island of Skiathos. Presentation: Integrated support system for efficient water usage and resources management</td>
<td>15.07.2014</td>
<td>Bari, Italy</td>
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<td>109</td>
<td>Presentation</td>
<td>CERTH</td>
<td>2014 IEEE WCCI Congress. Presentation: ICLA Imperialist Competitive Learning Algorithm for Fuzzy Cognitive Map: Application to Water Demand Forecasting</td>
<td>6-11.07.2014</td>
<td>Beijing, China</td>
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<td>CERTH</td>
<td>Water Innovation Europe 2014 Conference</td>
<td>25-26.06.2014</td>
<td>Brussels, Belgium</td>
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<td>Presentation</td>
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<td>International Symposium Water Utility Support. Presentation: ICT and Stakeholder Participation Improve Urban Water Management in the Cities of the Future</td>
<td>5.06.2014</td>
<td>Athens, Greece</td>
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<td>Madrid, Spain</td>
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<td>113</td>
<td>Press release</td>
<td>UPO</td>
<td>La UPO participa en un proyecto internacional para el uso eficiente del agua en la UE (UPO participates in an international project for the efficient usage of water in the EU)</td>
<td>09.09.2014</td>
<td>University Pablo de Olavide News</td>
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<td>114</td>
<td>Press release</td>
<td>BU</td>
<td>Brunel University in ISS-EWATUS project. Dr Andrea Capiluppi from the Department of Computer Science wins European Commission FP7 funding for Integrated Support System for Efficient WATER USage (ISS-EWATUS) project</td>
<td>02.07.2014</td>
<td>BU website</td>
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<td>Press release</td>
<td>CERTH</td>
<td>16ο Διεθνές Συνέδριο του WDSA (Water Distribution)</td>
<td>01.07.2014</td>
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<td>Press release</td>
<td>UPO</td>
<td>La UPO participa en el proyecto europeo Sistema Integrado de Soporte al uso eficiente del agua y la gestión de recursos (ISS-EWATUS) (UPO participate in European project Integrated Support System for Efficient Water Usage and Resources Management (ISS_EWATUS))</td>
<td>24.06.2014</td>
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<td>117.</td>
<td>Press release</td>
<td>US</td>
<td>Naukowcy UŚ wezmą udział w sesji specjalnej klastra ICT w zarządzaniu wodą na konferencji w Bari Scientists of UŚ will attend in a special session of the ICT cluster in water management at the conference in Bari)</td>
<td>16.06.2014</td>
<td>University of Silesia website</td>
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<td>118.</td>
<td>Press release</td>
<td>RPWiK</td>
<td>Naukowcy Universytetu Śląskiego wezmą udział w sesji specjalnej klastra ICT w zarządzaniu wodą na konferencji w Bari (Scientists from the University of Silesia will take part in a special session of the ICT cluster in water management at the conference in Bari)</td>
<td>17.06.2014</td>
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<td>119.</td>
<td>Press release</td>
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<td>Συνέδριο για την έξυπνη διαχείριση των υδάτινων πόρων με την χρήση νέων τεχνολογιών και δικτύωσης, Μπάρι, Ιταλία, 14-17 Ιουλίου 2014 (Conference on intelligent management of water resources through the use of new technologies and networking, Bari, Italy, 14-17 July 2014)</td>
<td>17.06.2014</td>
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<td>Smart Water and ICT special session and clustering event in Bari, WDSA 2014</td>
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<td>DEYASK</td>
<td>Εναρκτήρια συνάντηση για το Ευρωπαϊκό πρόγραμμα ISS-EWATUS (Kick-off meeting of European project ISS-EWATUS)</td>
<td>11.04.2014</td>
<td>Tahidromos (Postman), the daily news of magnesia, p. 33</td>
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<td>Press release</td>
<td>US</td>
<td>Efektywne wykorzystywanie wody w UE (Efficient Water Usage in EU)</td>
<td>04.2014</td>
<td>University of Silesia Newspaper, p. 11</td>
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<td>Inauguracja projektu europejskiego ISS-EWATUS. Kick-off meeting of European project ISS-EWATUS.</td>
<td>25.02.2014</td>
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<td>EWATUS project - The Skiathos case study. Newsletter 2012 no.1</td>
<td>21.10.2014</td>
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<td>ISS-EWATUS already launched</td>
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