

Storage capacity over virtual neighbourhoods of energy ecosystems



SHAR-Q ID

CONTENT

EDITORIAL	1
ACTUAL PROGRESS	2
PROJECT NEWS	4
STAKEHOLDER ENGAGEMENT	6
UPCOMING EVENTS	7

Title

Horizon 2020 – SHAR-Q project: Storage capacity over virtual neighbourhoods of energy ecosystems

Program

The European Union's Research and Innovation Program
Horizon 2020 – LCE-01-2016-2017 Competitive Low-Carbon Energy

Duration

November 2016 – October 2019

Main objective

Establishment of an interoperability network that connects the capacities of the neighbourhooding RES+EES ecosystems into a collaboration framework

Partner countries

Austria, Czech Republic, Germany, Greece, Portugal, Slovakia and Spain

EDITORIAL

Dear readers,

We have reached half of the project! We are delighted to inform you that SHAR-Q is successfully achieving every established milestone, and we would like to thank you all for the effort made so far. This edition of the Newsletter covers the activities of the fourth project semester (05/2018-10/2018).

This time, we would like to show you more in detail some of the activities carried out in this period, namely the mid-project review held in Brussels and the two webinars organised in May and September to share the latest project achievements with the SAB members.

We will also share the insights about the events carried out during last months of the project. Finally, we will inform about the upcoming activities for the next period of the project, including future events and meetings.



We hope you will enjoy reading this fourth issue of SHAR-Q Newsletter.

Latest and updated news can be also followed through our website (www.sharqproject.eu) and our Twitter account (@SHARQproject).

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Please do not hesitate to interact with us in our contact email (sharqproject@gmail.com). Your feedback and comments are always welcome!

Yours sincerely,
The SHAR-Q consortium

Mid-Project review

The SHAR-Q Mid-project review took place at the SOST Office in Brussels on July 25th with the participation of the EC representatives and all the project partners. The day before the review, an internal rehearsal was held to fine-tune the presentations of the different work packages and tasks carried out during the first 18 months.

These two days allowed the consortium to make a comprehensive recap on all the activities performed and to highlight the main milestones and achievements accomplished:

- A complete identification of SHAR-Q requirements, barriers, pilot surveys and audits available.
- Overall SHAR-Q system architecture defined, considering security aspects.
- SHAR-Q Added-value services for end-users, network and markets operators defined and analysed.
- SHAR-Q platform Proof-of-concept applied to 2 prototype scenarios: Aggregated PV production and EVSE monitoring service for Smart Charging.
- Positive Stakeholder community engagement, delivering valuable feedback to project partners.
- Communication and dissemination strategy successfully implemented through different channels (website, social media) and activities (workshops, webinars, conferences, trade exhibitions, and publications, among others).

To complete the presentations at the review, a SHAR-Q platform proof-of-concept was conducted, in which some of the main platform features were demonstrated live through its application to two different scenarios: 1. Aggregated PV production, showing how to connect, share and monitor a PV resource from Güssing (Austria) by means of the SHAR-Q platform and collaboration web, and 2. EVSE connection and monitoring in Meltemi (Greece) through the SHAR-Q platform, enabling the provision of Smart charging services.

The overall assessment from the EC representatives after the review was positive. As a general conclusion, it can be stated that the project has fully achieved its objectives and milestones for the period thanks to the great collaborative work and commitment from the partners, and that the ongoing tasks keep on progressing at a good pace.



Webinars with the SAB members

During this period, the regular stakeholder engagement activity coexisted with a project task specifically targeted to the consultation of SHAR-Q processes and architectures with the stakeholder community. For that reason, the approach and content of the webinars held during these months have been fully focused on the consultation of the SHAR-Q processes and architectures with the SAB members in order to get their feedback on the work performed so far, thus providing valuable input for the related deliverables and allowing to keep the project alignment with the market expectations.

The preparation of the webinars entailed a great collaborative effort among the project partners in order to produce the materials to be used and identify the most relevant questions to be asked to the SAB members. Customized presentations on each one of the topics planned were prepared by the partners involved, by carefully choosing the content to ensure that clear and accurate ideas were transmitted in reduced timeslots. For each session, dedicated questionnaires were designed and delivered covering the issues for which feedback from the attendees was requested.

May 24th | WEBINAR on SHAR-Q architecture and added value services (AVS)

After a period of intense internal work, in which the project team had been deeply involved in technical activities to set the foundations for the developments planned in the project, good progress had been achieved on certain activities such as the definition of the SHAR-Q architecture and the services that will be deployed in the pilot sites planned in Portugal, Austria and Greece.

For that reason, a new webinar was held on May 24th to check the latest project achievements with the SAB members and collect their feedback. During the session, the basics of the SHAR-Q architecture were introduced by Viktor Oravec (BVR) and the progress on the development of the added value services (AVS) was shared with the attendees by Evangelos Karfopoulos (ICCS), SHAR-Q Technical Coordinator. SHAR-Q partners (ATOS Spain, BVR, ICCS and CEPV) and some of the SAB members participated.

After the presentations, some questions previously identified by the speakers were shared with the audience and some discussions were raised, providing live feedback on the topics dealt with. At the end of the webinar, the questionnaire was delivered to the SAB members to collect further offline feedback.



September 20th | WEBINAR on SHAR-Q processes and strategic planning of RES and EES facilities

The following project webinar was held on September 20th and its purpose was to share with the SAB members the progress made in the definition of the SHAR-Q processes for the integration of DER and ESS and the strategic planning of RES and EES facilities and get their feedback on the results achieved. Presentation on both topics were given by Martin Wagner (ATOS Spain) and Christoph Neudhart (UBIMET) respectively. SHAR-Q partners (ATOS Spain, ATOS CZ, ICCS, UBIMET and CEPV) and some of the SAB members participated.

At the end of the webinar, some questions were raised by the project team to foster the discussion and a questionnaire was delivered to the attending SAB members, together with the slide set generated.



7-8th of May | Plenary meeting in Athens

The mid-project plenary meeting was held on the 7th and 8th of May in Athens. The event took place at the facilities of the National Technical University of Athens (NTUA) and was hosted by ICCS and HEDNO (Hellenic Electricity Distribution Network Operator). Representatives from the 11 project partners participated.

SHAR-Q had almost reached half way through the project by this point, therefore many issues were addressed, being the preparation of the mid-project review the most important one. The planning of the next period was also discussed on the basis of the milestones achieved so far and with the main goal of keeping the good track of the project.

In addition to the regular schedule for SHAR-Q meetings, a parallel track was specifically arranged to discuss technical issues in detail by the partners involved and to speed up progress in the software platform development.

Lastly, the consortium members took the afternoon of the second meeting day to visit the NTUA Microgrid Laboratory, which is being used to develop the components for the SHAR-Q EV charging pilot in Greece and to test the related Added Value Services.



15th and 16th of May | INNOGRID 2020+

InnoGrid2020+ is regarded as “the” EU event on innovation in electricity networks organised by the European Network of Transmission System Operators for Electricity (ENTSO-E) and the European Distribution System Operators for Smart Grids (EDSO). It was held on May 15th–16th in Brussels and focused on the next decade’s challenges for the power grids, providing insights and solutions through innovative projects, demonstrators and pilots.

SHAR-Q project was well represented by the Project Coordinator (ATOS) and Technical Coordinator (ICCS/NTUA), and representatives from ENERC and CEPV.

A dedicated booth was allocated at the exhibition area, where the SHAR-Q poster was displayed, and dissemination material was handed out to the audience. The booth generated great interest among the attendees and gave the team the chance to exchange interesting ideas and comments on the latest project developments with many stakeholders who passed by.

In addition, Juan Rico (ATOS), as Project Coordinator, participated in a conference session focused on “Buildings, transport and electricity”, where SHAR-Q was presented together with other three innovative projects followed by a panel discussion among the speakers.



PROJECT NEWS

4-7th of June | IoT Week 2018 in Bilbao (Spain)

The IoT Week gathers the community of stakeholders engaged in developing new IoT technologies and solutions, where IoT experts, researchers, IoT focused companies, research centres, European research projects, start-ups and international organizations meet, discuss and identify emerging trends and technologies that will impact the future of the IoT.

The IoT Week was held from the 4th to the 7th of June in Euskalduna Conference Centre of Bilbao, and project partners ATOS, ENERC and CEPV actively participated in the event. A dedicated booth was allocated at the exhibition area, where the SHAR-Q poster was displayed and dissemination material such as the brochures and DILOs were handed out to the audience.

Juan Rico (ATOS), moderated a panel around "Emerging next generation of energy services with IoT" on June 5th. In addition, the Project Coordinator took part as a speaker presenting SHAR-Q project in the panel "In search of sustainable and resilient cities", held on June 6th and moderated by Natalie Samovich (ENERC), with the participation of six more panellists.



IoT Week Bilbao 2018
4-7 JUNE 2018, BILBAO (SPAIN)
EUSKALDUNA CONFERENCE CENTRE

5-7th of June | European Sustainable Energy Week (EUSEW) 2018 in Brussels

The theme of this year's EU Sustainable Energy Week (EUSEW) was 'lead the clean energy transition'.

In Brussels, the event was marked by a Policy Conference on 5-7 June including (on the first day) the ceremony of the annual EU Sustainable Energy Awards, and a chance to share ideas and good practice in the Networking Village on 6-7 June.

SHAR-Q project was presented in a pitch session called "Energy Lab" of the Networking Village on June 6th. This session was organized with different projects presenting tangible ideas and related criticalities in front of a panel of experts designated to provide suggestions, comments or advises.



20 -22nd of June | Intersolar Europe 2018 in Munich

Intersolar Europe is the world's leading exhibition for the solar industry and its partners and takes place annually at the Messe München exhibition center in Munich, Germany. The event's exhibition and conference both focus on the areas of photovoltaics, solar thermal technologies, solar plants, as well as grid infrastructure and solutions for the integration of renewable energy. Being founded 27 years ago, Intersolar has become the most important industry platform for manufacturers, suppliers, distributors, service providers and partners of the solar industry.

This year's edition has been held on June 20th-22nd and SHAR-Q was represented by ENERC team, who made a project presentation and took the opportunity to contact a number of relevant stakeholders attending.



This Project has received funding from the European Union's Horizon 2020 research and innovation Programme under grant agreement No 731285

PROJECT NEWS

29-31st of August | MyData 2018 in Helsinki

The goal of MyData movement is to empower individuals with their personal data, thus helping them and their communities develop knowledge, make informed decisions, and interact more consciously and efficiently with each other as well as with organisations. The third annual MyData conference was held on 29-31 August 2018 in Helsinki and included ten curated tracks, e.g. AI ethics, Interoperability and Data Portability.

A presentation was prepared by Natalie Samovich and ENERC team to position evolving P2P models within decentralising energy paradigm. User-centric approach, flexibility of demand and interfaces with the main energy sector players are some of the concepts that were presented, followed by the panel Q&A discussion thereafter. The functionality of the SHAR-Q and its potential was illustrated using the project DILOs.



2nd of October | Smart Grids and Storage project clustering workshop in Brussels

The event was held at INEA and intended to identify and foster synergies with 75 representatives of Smart Grids & Storage projects. SHAR-Q was presented in the plenary session represented by Juan Rico (ATOS), Stefan Vanya (BVR) and Evangelos Karfopoulos (NTUA), who chaired the business model group session in collaboration with Storage4Grid representatives.



STAKEHOLDER ENGAGEMENT

The SHAR-Q **Stakeholder Advisory Board (SAB)** is the main group supporting the consortium in providing expert advice to ensure consistency in the project outcomes in accordance with market expectations. At the moment, 14 members representing relevant entities from the energy sector have been engaged, composing a stable and consolidated group.

The SHAR-Q **Interested Stakeholders Group (ISG)** comprises all stakeholders from the target audience who get in touch with the project and explicitly show interest about it, either by contacting F2F or through the project website or by answering an invitation to an event arranged by the consortium. Up to now, 36 interested people have enrolled in the ISG.



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UPCOMING EVENTS

6-8th of November | European Utility Week 2018 in Vienna (Austria)

The European Utility Week (EUW) is a 3-day conference and exhibition that is as broad as it is ambitious in facilitating the shift towards clean, efficient and smart energy in Europe. It will be held on 6th – 8th November 2018 in Vienna (Austria) and it will explore four key areas in European energy: Digitalisation, Decarbonisation, Energy Markets and Innovation. Over 400 speakers will attend the event, and the programme will deliver significant content, warranting meaningful and constructive dialogues.

This year, SHAR-Q has been given the opportunity to share a space in the exhibition area allocated to EU projects under the so-called BRIDGE initiative. This is great news for the project, since it will significantly contribute to increase the project impact and awareness among the audience. The graphical elements and complementary dissemination materials are currently under preparation for the event.



6-8 November 2018, Austria

11-12th of December | Plenary meeting in Prague

SHAR-Q partners plan to meet in December this year in Prague, in an event hosted by ATOS CZ.

The meeting arrives shortly after the second project year has been completed. It will take two full days and, based on what has been achieved so far, it will allow the project partners to prepare the last stage of the project, which will be characterised by the pilot deployment and execution.



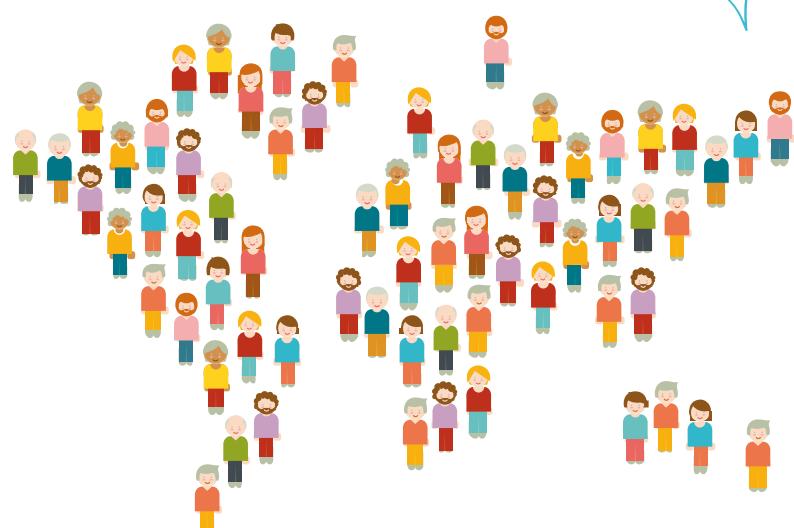
Check these and more SHAR-Q stories in
<http://www.sharqproject.eu/project-news>

Please bear in mind that when project partners attend these events/fairs we are open to any questions or concerns about the project, so do not hesitate to request information or express your interest in joining the project stakeholder community. We will be pleased to have you on board!



We hope that you enjoyed our 4th SHAR-Q Newsletter and already look forward to the next editions.

Sincerely,
The SHAR-Q Consortium



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