



# Auto-DAN

## 9th Periodic Newsletter



### A Word From the Coordinator (Beatriz Fraga De Cal, IES R&D)

Auto-DAN has reached a decisive stage before we move forward with the testing the final solution.

Over the past few months, the team has been working to develop a solution that meets the objectives and requirements outlined in our project plan. We have also faced numerous challenges along the way, particularly with equipment supplies compatibility between equipment. However, we have intensified our efforts on the interoperability and integration of different technologies.

In June we had the chance to meet in person at the GA in Milan hosted by RINA, where we had productive discussions and workshops on the Hardware Infrastructure, Software Architecture and pilots deployment. Also, we organised the first Auto-DAN Roadshow in one of the demo sites, Palazzo Terragni.

In the coming months, we will focus on the self-optimisation aspects as well as the testing phase. It's a critical phase where we are collecting real-data and identifying any potential issues or areas of improvement before we proceed with the final implementation.

In this issue we will introduce you to another of our partners, Universidad de Burgos while also presenting the training session provided by Ó Cualann Cohousing Alliance in Lusk Village to the end users of Auto-DAN solution. I hope you like this reading and thank you so much for your interest in Auto-DAN.

### Let's Meet the Project Partners!

At each newsletter we take the opportunity to introduce a new partner and find out their thoughts on the AutoDAN project. This month we are pleased to have the Universidad De Burgos team discuss their role in the project

*How did you come to know about the opportunity to join Auto-DAN Project's Consortium?*

The opportunity to participate in the project arose thanks to the collaborative relationship that the University of Burgos has had with Cartif for several years. During which we have both participated in several European research projects, in addition to carrying out different building monitoring works

*Why did you decide to join the Auto-DAN project's consortium?*

The project fits with the lines of work in which our research group, GITECA, works, such as energy efficiency and the improvement of people's quality of life. With this project, we had the possibility to include new technologies and improvements in two demonstration buildings in our town.

*In your opinion, what are the most interesting innovations and future impacts of the Auto-DAN project?*

Improving consumption habits to achieve energy and economic improvement.

In addition to the possibility of analysis and comparison of the information on the habits of different European countries, with the conclusions that this can give us.

*Is it the first time that you are working for a H2020 research project? If no, was your previous experience useful for the development of Auto-DAN? How?*

No, as I mentioned we have already worked before on H2020 projects oriented also to energy efficiency as E2VENT or BRESAER.

*Which is the contribution that your company/institute provides within the Auto-DAN project?*

The University of Burgos and GITECA research group provides the Project with two demonstration buildings on which to increase the scalability of the project, going from the development of equipment in laboratories to its placement in residential buildings. The first one is a student residence and the second one is a residential building. Thus, having two scenarios from which to obtain data with different usage regimens and different consumption habits.



**UNIVERSIDAD DE BURGOS**

### In Focus: first training session for the O'Cualann Cohousing Alliance End-Users

As part of the AutoDan project, IES and Ó Cualann invited 17 participants to attend a Training Activity Evening. The event took place on the 2nd May 2023 in Lusk Community Cultural Centre. The participants were residents of a new affordable and social housing development at Kilhedge Drive in Lusk (the demonstration site), which was recently delivered by Ó Cualann Cohousing Alliance in Lusk Village.

Pilot houses in Kilhedge Drive are heated by air source heat pumps, with each property containing a demand-controlled ventilation system; studies 'at previous Ó Cualann developments with similar heating and ventilation systems' found that the operational use of both the building and the household appliances had room for improvement. The Auto-Dan project, through Ó Cualann, will support end-users in their daily life energy usage through the use smart hardware such as electrical monitoring meter, smart-plugs and display devices, allowing for self-assessment of energy usage, offering solutions to enable buildings and their users to become self-optimising.

In this context Ó Cualann engages with the residents with several training sessions first of all to educate end-user in how to operate the user Auto-DAN communication devices and their new smart equipment and then, to enable the project team to install the necessary equipment and iteratively test and implement the Auto-DAN pilot project.

On this first training event on May 17th speakers on the evening were Niall Byrne, Pat Shiel & Hugh Brennan. Teas and coffees were on offer at the lobby where signing-in took place. Participants were thanked for their interest and a presentation was given on the project, after which a questions and answer session followed."

### Past events

On the 23th and 24th of May, the Auto-DAN consortium met in-person for the Auto-DAN General Assembly, which took place in Milan, Italy. During the first day the whole consortium met in Milan RINA offices to discuss the Auto-DAN activities and present their development.

The second day was dedicated to the first Auto-DAN Project Roadshow that took place at Palazzo Terragni, organized by R2M Solution in collaboration with the Municipality of Lissone; project partners presented the main project developments and interesting sessions were held on innovative smart building solutions by the sister projects iBECOME, COLLECTIEF Smart Square Project.

In this occasion of two days event in Milan there was also the opportunity to visit Palazzo Terragni and Delta Ecopolis Demos; in the last one an useful engagement session was also held to receive a feedback on the Auto-DAN dashboard by the end-users.



### Upcoming Events

In June 2023 will take place in Brussels (Belgium) the European Sustainable Energy Week (EUSEW), the biggest annual event dedicated to renewables and efficient energy use in Europe.

During this event on 22 June Auto-DAN Project will take part in the webinar "Optimizing Buildings Energy Performance: H2020 Projects Insight" organized together with COLLECTIEF project, iBECOME project & SATO Project. Save the date!

From 14th to 16th June 2023 Madrid (Spain) will host the 11th annual edition of Sustainable Places (SP2023). The conference will feature several activities related to the sustainability sector, to support and promote the adoption of new technologies in energy efficiency in buildings. Auto-DAN project will have the opportunity to attend this event, being part of a choral workshop on leveraging IoT-enabled Digital Twins tighter with the projects iBECOME, STEPUP and ESHER; moreover, a presentation of the project in a single dedicated session will be given by the coordinator.

From 12 to 14 November 2023 the International Conference on Future Energy Solutions (FES2023) will held in Vaasa (Finland). FES2023 is a golden opportunity to hear new research, ideas and initiatives, as well as interact with key decision leaders in the energy-related fields.

Auto-DAN project has submitted a successful paper in the last months and therefore it has the opportunity to attend this event and disseminate their results.

