



## Self Assessment Towards Optimization of Building Energy

Deliverable 8.5

### Periodic Stakeholders Engagement Report

Deliverable Lead: POLIMI

Deliverable due date: 30/09/2021

Actual submission date: 04/10/2021

Version: 3.0



This project receives funding in the European Commission's Horizon 2020 Research Programme under Grant Agreement Number 957128.

Document Control Page	
Title	Periodic Stakeholders Engagement Report
Editor	Silvia Erba (POLIMI), Alessandra Barbieri (POLIMI)
Description	D8.5 reports the activities of public engagement developed by the Partners during the first year of SATO project (M1-M12).
Contributors	POLIMI, CORE, FC.ID, EDP CNET, KNAUF, CYPE
Creation date	03/08/2021
Type	Report
Language	English
Audience	<input checked="" type="checkbox"/> public <input type="checkbox"/> confidential
Review status	<input type="checkbox"/> Draft <input type="checkbox"/> WP leader accepted <input checked="" type="checkbox"/> Coordinator accepted
Action requested	<input type="checkbox"/> to be revised by Partners <input type="checkbox"/> for approval by the WP leader <input type="checkbox"/> for approval by the Project Coordinator <input type="checkbox"/> for acknowledgement by Partners

## Table of Contents

1. Introduction.....	7
2. SATO actors and engagement strategy .....	8
2.1. Types of stakeholders .....	8
2.2. Engagement actions .....	10
3. Stakeholders engagement per communication/dissemination activity .....	12
3.1. Events carried out up to month 12 .....	12
3.2. Future events .....	23
4. Feedback from stakeholders engagement.....	25
4.1. Policy feedback .....	25
4.2. Events feedback.....	26
4.3. Relation with other WPs.....	26
5. Cluster with related European projects.....	27
6. Stakeholders engagement through scientific publications and online articles.....	27
7. Conclusions .....	29
8. ANNEX A .....	30
9. ANNEX B .....	33

## List of Figures

Figure 1 - SATO Platform architecture .....	7
Figure 2 - Agenda of the event "AI <sup>2</sup> for self-assessment of building energy performance" which will be held on October 20th .....	23

## List of Tables

Table 1 - SATO stakeholders engagement strategy.....	10
Table 2 – Future events .....	24
Table 3 – SATO scientific publications.....	27
Table 4 - SATO Press release and other online materials .....	28

## Revision history

Version	Author(s)	Changes	Date
1.0	Pedro Ferreira (FC.ID)	Initial version	03/08/2021
2.0	Silvia Erba (POLIMI- eERG) Alessandra Barbieri (POLIMI- eERG)	Definition of deliverable structure and document development	19/09/2021
3.0	Pedro Ferreira (FC.ID)	Final revision and formatting.	01/10/2021

## DISCLAIMER

The sole responsibility for the content of this publication lies with the SATO project and in no way reflects the views of the European Union.

This document may not be copied, reproduced, or modified in whole or in part for any purpose without written permission from the SATO Consortium. In addition to such written permission to copy, acknowledgement of the authors of the document and all applicable portions of the copyright notice must be clearly referenced.

© COPYRIGHT 2021 The SATO Consortium. All rights reserved.

## EXECUTIVE SUMMARY / ABSTRACT / SCOPE

The present document constitutes Deliverable 8.5 *Periodic Stakeholders Engagement Report* in the framework of WP8 - Market Actors Engagement through Communication and Dissemination, *Task 8.4 - Engaging relevant (market) actors and stakeholders through webinars, workshops, events, and a final conference.*

The document provides an overview of the identified stakeholders and the relative engagement strategy and reports the activities of public engagement developed by the Partners during the first year of SATO project (M1-M12).

## 1. Introduction

The SATO project aims to improve the assessment of real-life building energy use and optimize the energy performance of the whole building and its energy consuming equipment through the development of a new energy platform that uses data analysis and machine learning to report energy performance, building behaviour, occupancy, and equipment faults. The SATO platform will be tested in different pilot buildings to show and demonstrate how the self-assessment and optimization contributes to lower energy consumption, increase energy flexibility, efficiency, and user satisfaction. The project includes communication with and feedback from building occupants as one of the central elements for dynamically adapting controls to user needs. Additionally, the project also addresses the engagement of other actors that can have a direct role in the SATO platform, such as building managers, grid operators and aggregators, or policy makers (Figure 1), and other actor profiles within the energy business.

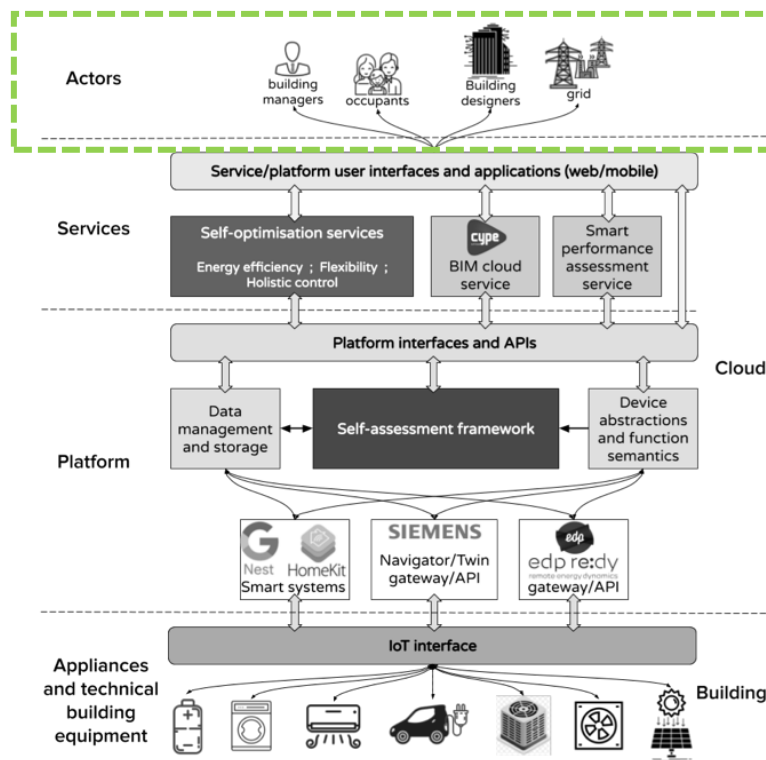


Figure 1 - SATO Platform architecture

Stakeholders engagement is fundamental not only to develop a correct communication about the project but also to listen and interpret the needs and desiderata of the different stakeholders and develop a winning, high-profile solution that is consistent with both the expectations and the environmental and social context.

In Horizon 2020, the process of bringing together researchers, policy makers, industry, civil society, organisations, NGOs, and citizens, to discuss on matters of research and innovation is called *Public Engagement*. This allows establishing a common language between different groups, learning from each other, exploring different perspectives, and thus improving creativity in the process and outcomes, co-

creating new solutions. Consequently, the projects outcomes are more likely to be relevant to society and aligned with the demands of the market.

To fully express this potential, the stakeholders engagement should be designed as a series of studied and structured actions, which considers the heterogeneity of the involved subjects and be conceived as a two-way process where feedbacks are used to shape the research and innovation process.

The first step to reach the greatest impact is to map correctly all the stakeholders and to develop tailored strategies and activities to involve them actively. Communication and dissemination activities become paramount for an effective actors' engagement. The first aims to inform and reach out to society about the project and results from the beginning of the project, while the second enables the use and uptake of the results involving audiences that may use the results in their own work (e.g., peers and scientists, industries and other commercial actors, policy makers).

The purpose of this deliverable is twofold:

- to provide an overview of the identified stakeholders and the type of activity planned for each segment;
- to report the activities of public engagement (webinars, workshops, surveys, events, etc.), which have been developed by the Consortium during the first year of SATO project (M1-M12).

## 2. SATO actors and engagement strategy

### 2.1. Types of stakeholders

The Consortium has identified different stakeholder segments, which will be involved throughout the SATO project. In the following, a brief description of the actors is presented highlighting the benefits of their involvement for the project.

#### Consumers

They can be building owners and/or occupants. They will be involved to understand user needs, desired level of interaction with the SATO platform, get feedback on the user friendliness and preferences about the interfaces, assess user satisfaction, and to evaluate the energy assessment and optimization services that will be developed in the project.

#### Grid operators

They include: energy providers, aggregators, transmission system operators, distribution system operators, retailers and balance responsible party. They will be involved to design and provide feedback on the flexibility management services that will be developed in the project.

- Energy providers offer energy management and energy commercialization services.
- The aggregator is a new type of energy service provider, which is accountable for purchasing flexibility from prosumers, aggregating it into a portfolio, designing services that rely on the



accumulated flexibility, proposing these flexibility services to different markets, and assisting several market players.

- The Transmission System Operator (TSO) is responsible for the energy grid infrastructures, mainly the high-voltage grid. TSOs need to coordinate the supply and demand for energy, avoiding fluctuations in frequency and supply interruption.
- The Distribution System Operator (DSO) is responsible for the final stage of the electric power delivery to the customer premises, i.e. the medium- and low-voltage grid, carrying electricity from the TSOs to the consumers.
- Retailers are the first contact for the household customer regarding billing, house moves, retailer switching requests and energy supply. They are also the last value adding party before energy is delivered. Retailers could also aggregate some flexibility from multiple consumers or building groups participating in DR programmes to offer to DSO/TSO.
- Balance Responsible Party (BRP) in the electricity market is a market participant or its chosen representative responsible for its imbalances.

### **Medium and large-sized corporation or real estate owners**

They include a growing number of enterprises that are either forced by always-stricter regulations to implement energy sustainability or adopt Corporate Social Responsibility policies.

### **Building industry**

Building industry involves building construction companies, building designers, manufacturers, architects, and managers. Building construction companies and architects that are embracing a Green Building approach, through SATO they can bring down their carbon footprint in the long term. Building and facility managers can use the SATO platform to achieve higher management efficiency and better optimization of the building energy.

### **Energy Service Companies**

They provide a broad range of energy solutions and services, including designs and implementation of energy savings projects, retrofitting, energy conservation, in such a way as to reduce the energy cost of a building or to manage specific aspects of the building energy. They will contribute to evaluate the ability of the SATO platform to provide an open and competitive environment for the development of energy assessment and optimization services.

### **Policymakers and Municipalities**

- A policy maker is a person with power to influence or determine policies and practices at an international, national, regional, or local level. One goal of SATO project is to give policy feedback to the relevant EC policy officers of both EPBD and the Ecodesign Directive/ Energy Labelling Regulation.
- Municipalities are embracing novel sustainable technologies to make their cities more liveable.

Involving policymakers and municipalities increases the impact of the project results to a bigger scale.

## 2.2. Engagement actions

Stakeholders engagement is currently taking place via webinars, workshops, conferences, events, scientific/ technical publications, articles, deliverables, website, social media accounts, newsletters/ press releases. Table 1 reports specification for each type of stakeholder.

**Table 1 - SATO stakeholders engagement strategy**

Target stakeholders	How to reach them
Consumers (building owners and occupants)	Invitations to key project events. Web Platform; Social Media; Communication materials.
Grid operators: TSOs, DSOs, retailers, aggregators, BRPs.	Training programs, webinars, invitations to key events.
Policymakers	Invitations to key project events. Information letters. Publications on policy-oriented publications. Participation in standards.
Medium and large-sized corporation / real estate owners ( <i>growing enterprises that are forced by always stricter regulations</i> ).	Professional networks. Associations. Partner networks. Associations and trade fairs. Social media. Sustainability consulting.
Building industry: building construction companies, building designers and appliance manufacturers, architects, managers.	Targeted literature. Training programs, webinars, invitations to key events. Professional networks. Associations. Partner networks. Associations and trade fairs. Social media. Sustainability consulting.
Municipalities	Invitations to key project events. Information letters. Publications on policy-oriented publications.
General Public and Media	Web Platform; Social Media; Communication materials.
SATO Consortium and Advisory Board	Key project events.
SMEs and start-ups	Professional networks. Associations. Partner networks. Associations and trade fairs. Social media. Sustainability consulting.
Academia, the scientific community.	Academic publications; Targeted literature. Demonstration cases; Training courses; Website.

To collect a higher number of feedback from public engagement, we are developing a simple online form that can be distributed during events to all participating stakeholders. This tool consists of a survey to assess the level of satisfaction about SATO project and gather suggestions for improvement. A draft is proposed below:

(1) How satisfied were you with the event/presentation/workshop "NAME"?

*Very dissatisfied*     
  *Dissatisfied*     
  *Neutral*     
  *Satisfied*     
  *Very satisfied*

(2) Did you already know the topics discussed?

Yes     
  Somewhat     
  No

(3) Overall, how useful did you find this event/presentation/workshop?

Very useful     
  Useful     
  Somewhat useful     
  Not very useful     
  Not at all useful

(4) What was the best part of the event/presentation/workshop for you?

Please, fill the field: \_\_\_\_\_

(5) Are you interested in SATO project? The project topics are reported below:

- *Create a new energy self-assessment and optimization SATO platform that integrates all energy consuming equipment and devices in the building;*
- *Develop and integrating into the SATO platform a self-assessment framework (SAF) that uses data analysis and machine learning to report energy performance, building behaviour, occupancy and equipment faults. This framework is aligned with the structure of the smart readiness indicator (SRI);*
- *Develop a BIM-based interface for aggregated and disaggregated analysis and visualization of the assessments in the various applicable scales and defining locations and specifications of energy consuming equipment, sensors and actuators into a BIM building model;*
- *Develop and demonstrate energy management services that use the SATO platform and show how the self-assessment and optimization contributes to lower energy consumption, increased energy flexibility, efficiency and user satisfaction.*

Yes     
  Somewhat     
  No

(6) Was this event/presentation/workshop at an appropriate level?

Too easy     
  Just right     
  Too difficult

(7) Select the item that best describes you/ your organization:

- Consumers (building owners and occupants)
- Grid operators
- Policymakers
- Medium and large-sized corporation / real estate owners
- Building construction company
- Building designer and appliance manufacturer
- Architect/engineer
- Facility/ building manager
- Municipality
- General Public and Media
- SMEs and start-ups
- Academia, the scientific community
- Other, please specify: \_\_\_\_\_

(8) Do you have any suggestions?


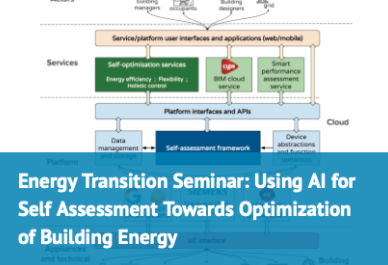
Please, fill the field: \_\_\_\_\_

### 3. Stakeholders engagement per communication/dissemination activity

This chapter reports all the events conducted from October 2020 up to September 2021 to communicate about SATO project, disseminate results and engage stakeholders. For each case we report the name of the event, its date and place, location, description of activity, lead partners, number of attendees, coverage level, and target stakeholders.

To collect this information in a structured way, POLIMI and CORE have developed an online form, which is reported in annex A.

#### 3.1. Events carried out up to month 12

	<b>INSTITUTO DOM LUIZ</b>	<b>Energy Transition Seminar "Using AI for Self Assessment Towards Optimization of Building Energy"</b>
<i>Date and place</i>	13/11/20 – Instituto Dom Luiz, Faculty of Sciences, University of Lisbon	
<i>Type of event</i>	Online event (live on Facebook)	
<i>Description of Activity</i>	Prof. Pedro Ferreira (FC.ID) and Prof. Guilherme Graça (FC.ID) held a seminar discussing the use of AI for the self-assessment and optimization of building energy performance.	
<i>Lead partners</i>	FC.ID	
<i>Nº of attendees</i>	N/A	
<i>Coverage level</i>	International	
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>– Academia, the scientific community</li> <li>– General public</li> </ul>	
<i>Pictures event</i>	<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;">  <p style="text-align: center;"><b>Energy Transition Seminar: Using AI for Self Assessment Towards Optimization of Building Energy</b></p> </div> <div style="flex: 1; padding-left: 10px;"> <p>November 13, 2020 @ 12:00 pm - 1:00 pm <span style="float: right;">📍 Google Map</span></p> <p>Speaker: Pedro M. Ferreira (LASIGE), Guilherme Carrilho da Graça (IDL) Abstract: Existing measurements of equipment and building energy use paint a bleak image: real-life energy consumption often exceeds design predictions by more than 100%. As a result, reducing the gap between designed and measured energy use has become central in current efforts to increase energy efficiency.[...]</p> <p><a href="#">Find out more &gt;</a></p> </div> </div>	
<i>Reference</i>	<a href="http://idl.campus.ciencias.ulisboa.pt/event/energy-transition-seminar-using-ai-for-self-assessment-towards-optimization-of-building-energy/">http://idl.campus.ciencias.ulisboa.pt/event/energy-transition-seminar-using-ai-for-self-assessment-towards-optimization-of-building-energy/</a>	



### Project presentation to high school students

<i>Date and place</i>	14/11/20
<i>Type of event</i>	Online event
<i>Description of Activity</i>	During a lecture for high school students, Prof. Lorenzo Pagliano (POLIMI) introduced the SATO project to the audience.
<i>Lead partners</i>	POLIMI - eERG
<i>N° of attendees</i>	25
<i>Coverage level</i>	National - Italy
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- General public</li> </ul>
<i>Pictures event</i>	



### Launch Master RIDEF2.0 XVI edition

<i>Date and place</i>	16/11/20
<i>Type of event</i>	Online event
<i>Description of Activity</i>	During the launch of the XVI edition of the Master RIDEF2.0 (Politecnico di Milano), Prof. Lorenzo Pagliano (POLIMI) introduced the SATO project to the audience
<i>Lead partners</i>	POLIMI - eERG
<i>N° of attendees</i>	30
<i>Coverage level</i>	National - Italy
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- General Public and Media</li> <li>- Academia, the scientific community</li> <li>- Building construction industry</li> </ul>



### MEET me TONIGHT - Notte dei Ricercatori

<i>Date and place</i>	28/11/20
<i>Type of event</i>	Open science event - online
<i>Description of Activity</i>	The event aims to make science and the work of scientists familiar to the general public. Dr. Silvia Erba (POLIMI) has managed the event participation and presentation, Prof. Lorenzo Pagliano (POLIMI) has presented the SATO project during the talk - Buildings with very low energy "consumption" and high comfort: experiences in Europe and Africa - discussing the topic of energy flexibility and introducing the concept of Building as a Battery.
<i>Lead partners</i>	POLIMI - eERG
<i>N° of attendees</i>	> 100 (available online)
<i>Coverage level</i>	National - Italy
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- General Public and Media</li> <li>- Academia, the scientific community</li> <li>- Building construction industry</li> </ul>
<i>Pictures event</i>	
<i>Reference</i>	The video of the presentation (in Italian) is available here: <a href="https://www.youtube.com/watch?v=BeXlHW8ftxw&amp;t=508s">https://www.youtube.com/watch?v=BeXlHW8ftxw&amp;t=508s</a>



Ciências  
ULisboa

### Presentation to the Data Science MSc students from the Faculty of Sciences of the University of Lisbon

<i>Date and place</i>	11/12/20
<i>Type of event</i>	Online event
<i>Description of Activity</i>	Talk given by Prof. Pedro Ferreira (FC.ID). The event aimed at presenting the project, highlighting challenges in buildings energy management and possible contributions from Data Science.
<i>Lead partners</i>	FC.ID
<i>N° of attendees</i>	20+
<i>Coverage level</i>	National - Portugal
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- General Public and Media</li> <li>- Academia, the scientific community</li> </ul>
<i>Pictures event</i>	



### Discussion with the President of AMAT (Mobility and Environmental Agency of Milan) and the Head of Environmental Transition AMAT

<i>Date and place</i>	30/12/20
<i>Type of event</i>	Online event
<i>Description of Activity</i>	Prof. Lorenzo Pagliano (POLIMI) presented the results of the previous project EU-GUGLE in which PolIMI and the Municipality of Milan were involved and introduced the new project SATO to Eng. Gloria Zavatta, President of AMAT (Mobility and Environmental Agency of Milan) and Eng. Manuela Ojan, Head of Environmental Transition in AMAT.
<i>Lead partners</i>	POLIMI - eERG
<i>N° of attendees</i>	4
<i>Coverage level</i>	National - Italy
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- Policy makers</li> <li>- Municipalities</li> <li>- Building construction industry</li> </ul>
<i>Pictures event</i>	<p><b>Interventi di riqualificazione profonda degli edifici del Comune di Milano svolti in collaborazione con eERG-Politecnico di Milano</b></p> <p>Prof. Pagliano Lorenzo Corso Advanced Building Physics Coordinatore di eERG - gruppo di ricerca sull'uso finale efficiente dell'energia <a href="http://www.eerg.it">www.eerg.it</a></p> <p>Direttore del Master RIDEF (Rinnovabili, Decentramento, Efficienza, Sostenibilità forte) <a href="http://www.ridef2.com">www.ridef2.com</a></p> <p><b>Sia EU-GUGLE che SATO vedono:</b></p> <ul style="list-style-type: none"> <li>- Comune di Milano</li> <li>- eERG-Polimi</li> </ul> <p>Come Partner di Progetto</p> <p><a href="http://eu-gugle.eu/pilot-cities/milano/">eu-gugle.eu/pilot-cities/milano/</a>      <a href="http://www.sato-project.eu">www.sato-project.eu</a></p> <p><small>EUGUGLE is cofunded by the European Commission under the 7<sup>th</sup> Framework Programme for Research and Technological Innovation, and is co-financed by UNER, Spain's National Centre for Renewable Energy.</small>      <small>This project receives funding in the European Commission's Horizon 2020 Research Programme under Grant Agreement Number 957128</small></p>



### IL PIANO ARIA E CLIMA: linee di azione e progetti

<i>Date and place</i>	11/06/21
<i>Type of event</i>	Online event
<i>Description of Activity</i>	Prof. Lorenzo Pagliano (POLIMI) presented the case study of SATO project as deep retrofit of social housing building in the municipality of Milan.
<i>Lead partners</i>	POLIMI- eERG
<i>N° of attendees</i>	> 60 (available online)
<i>Coverage level</i>	National - Italy
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- Medium and large-sized corporation / real estate owners</li> <li>- Building construction industry</li> <li>- Municipalities</li> </ul>

- General Public and Media
- Academia, the scientific community

### Pictures event

**Programma:**

Ore 09.00-09.10 | **Saluti e introduzione al seminario:** Bruno Finzi, Presidente Ordine Ingegneri di Milano  
 Ore 09.10-09.40 | **Il Piano Aria e Clima:** Caterina Padovani, Responsabile Unità Aria e Clima, Comune di Milano  
 Ore 09.40-09.50 | **Gli aspetti energetici del Piano:** Pierluigi Bellinzona, Energy Manager, Comune di Milano  
 Ore 09.50-10.05 | **I CAM e l'innovazione nella riqualificazione edilizia:** Alessandro Zichi, Progettista, AMAT  
 Ore 10.05-10.20 | **Clean Construction per un'economia circolare:** Manuela Ojan, Head of Environmental Transition, AMAT

Ore 10.20-10.30 | **Pausa**

Ore 10.30-11.00 | **Innesto Scalo Greco-Breda: social housing Zero Carbon:** Roberto Reale, REDO, Mario Motta, Politecnico di Milano, Marco Filippi, Politecnico di Torino  
 Ore 11.00-11.30 | **Il nuovo Campus Bocconi:** Giuseppe Sinatra, Infrastructures, Sustainability & General Services, Università Bocconi  
 Ore 11.30-11.50 | **L'asilo di City Life:** Ettore Bergamasco e Andrea Starr Stabile, Studio 02Arch, Giuseppe Dibari e Matia Mariani, Società Deerns  
 Ore 11.50-12.10 | **Foody Milano: il nuovo mercato agroalimentare,** Matteo Ghia e Andrea Costa, Divisione Ingegneria, MM spa  
 Ore 12.10-12.25 | **Un esempio di riqualificazione edifici ERP – Via Feltrinelli:** Lorenzo Pagliano, Professore al Dipartimento di Energia, Politecnico di Milano  
 Ore 12.25-12.40 | **Un esempio di riqualificazione di edificio privato con il bando BE2:** Vincenzo Procopio, Ingegnere, AMAT  
 Ore 12.40-13.00 | **Domande e Risposte**

Modalità: webinar, on line in diretta (il link verrà inviato qualche giorno prima dell'evento)

Progetto a cura di:  
 ing. Bruno Finzi, Ordine Ingegneri Milano  
 arch. Vito Redaelli e Filomena Pomilio, Ordine Architetti Milano  
 ing. Massimiliano Papetti, arch. Filippo Salucci, arch. Paolo Simonetti, arch. Giovanni Oggioni, Comune di Milano

**Interventi di riqualificazione profonda di edifici di Edilizia Residenziale Popolare del Comune di Milano**

Prof. Lorenzo Pagliano (lorenzopagliano@polimi.it)

POLITECNICO MILANO  
 ERG  
 SATO

**SATO (2020-2023)**  
 Edifici del Comune di Milano coinvolti:  
**San Bernardo 29**  
 Interventi di involucro e recupero di calore sulla ventilazione analoghi a quelli di San Bernardo 48-50, con alcune differenze sugli interventi impiantistici. Si procede con ottimizzazione controlli e sfruttamento flessibilità domanda

Map showing location: Via Feltrinelli 11-16, Via San Bernardo 48-50, Via San Bernardo 25A.

Reference The video of the presentation (in Italian) is available here:

<https://www.youtube.com/watch?v=TnKUkQG6H4q>

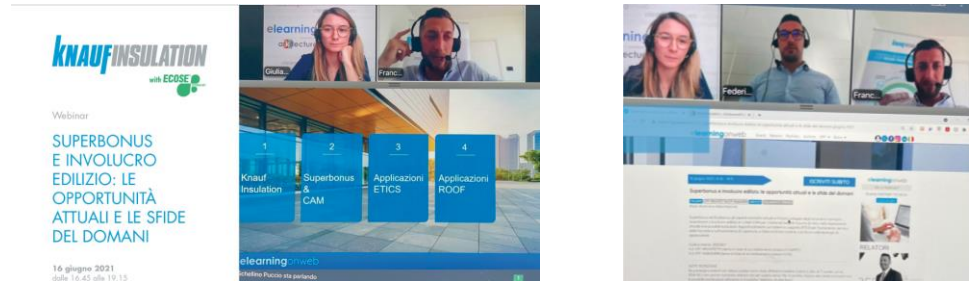
Additional information:

<https://my.foim.org/ISFormazione-Milano/odi-corso-1152.xhtml>



## elearningonweb

**Elearning on web\_Superbonus e involucro edilizio: le opportunità attuali e le sfide del domani**

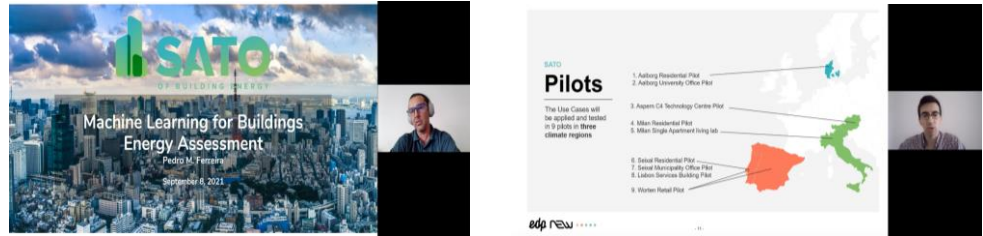
<i>Date and place</i>	16/06/21
<i>Type of event</i>	Webinar
<i>Description of Activity</i>	During a technical webinar for architects and engineers in Italy (about renovation of existing buildings incentives called "Superbonus"), Dr. Francesco Caviccholi (KNAUF) took the chance to communicate about the participation of KI IT to innovative projects and briefly presented the SATO project (contents, purpose, targets, Partners, etc.), the dedicated page on KNAUF website with the links to the project website for additional details.
<i>Lead partners</i>	KNAUF INSULATION
<i>N° of attendees</i>	200-500
<i>Coverage level</i>	National - Italy
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- Building industry: <ul style="list-style-type: none"> <li>o building construction companies</li> <li>o building designers</li> <li>o architects/engineers</li> <li>o managers (multi-family buildings managers)</li> </ul> </li> </ul>
<i>Pictures event</i>	
<i>Reference</i>	<a href="https://www.elearningonweb.com/en/-/superbonus-e-involucro-edilizio-le-opportunita-attuali-e-le-sfide-del-domani-giugno-2021">https://www.elearningonweb.com/en/-/superbonus-e-involucro-edilizio-le-opportunita-attuali-e-le-sfide-del-domani-giugno-2021</a>

**EDP NEW R&D sessions - Smart Buildings**

<i>Date and place</i>	08/09/21
<i>Type of event</i>	Webinar
<i>Description of Activity</i>	The SATO project was presented by Eng. Filipe Neves da Silva (EDP) and Prof. Pedro Ferreira (FC.ID) during the 13th R&D session hosted by EDP NEW. The session focused on smart buildings and at the end, a discussion panel took place.
<i>Lead partners</i>	EDP CNET
<i>N° of attendees</i>	80
<i>Coverage level</i>	International
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- Grid operators: <ul style="list-style-type: none"> <li>o Transmission System Operators (TSOs) – REN, EDA</li> <li>o Distribution System Operators (DSOs) - EDP, EDA</li> <li>o Retailers - EDP, GALP</li> <li>o Aggregators - EDP</li> <li>o Balance Response Parties (BRPs) – EDP</li> </ul> </li> </ul>

- Policymakers – ADENE
- SATO Consortium and Advisory Board – EDP NEW, FC.ID
- SMEs and start-ups – GRID BEYOND
- Academia, the scientific community – Lisbon University, INESC TEC, ISQ

Pictures event



Reference

The video of the presentation (in English) is available here:

<https://www.youtube.com/watch?v=IHgtT4iJlhU>



**Kyoto Club "Ricerca, sviluppo, università" - Highly insulated buildings as a crucial element for smart cities, grid balancing and energy storage for renewables**

Date and place

15/09/21

Type of event

Online event

Description of Activity

The event aims to promote projects for environmental, social and economic development. Prof. Lorenzo Pagliano (POLIMI) presented the case study of SATO project focusing on the theme of highly insulated buildings as a crucial element for smart cities, grid balancing and energy storage for renewables.

Lead partners

POLIMI - eERG

N° of attendees

30

Coverage level

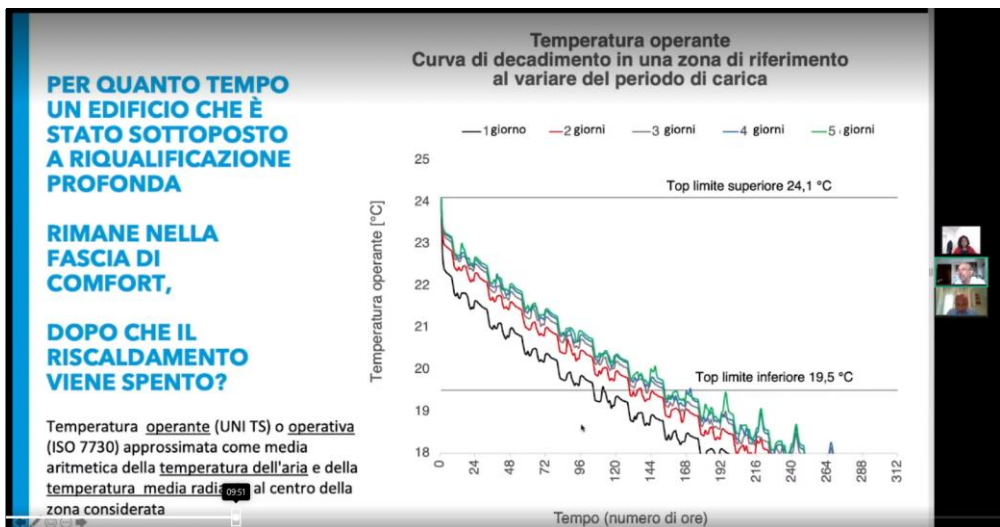
Italy/ national

Target stakeholders

- Medium and large-sized corporation / real estate owners
- Building construction industry
- Municipalities
- General Public and Media
- Academia, the scientific community

Pictures event





Reference [https://www.kyotoclub.org/it/appuntamenti/riunione-del-gruppo-di-lavoro-ricerca-sviluppo-universita-di-kyoto-club-sessione-pubblica/#contents\\_default\\_anchor](https://www.kyotoclub.org/it/appuntamenti/riunione-del-gruppo-di-lavoro-ricerca-sviluppo-universita-di-kyoto-club-sessione-pubblica/#contents_default_anchor)

**MLBEM 2021**

**1st workshop on Machine Learning for Buildings Energy Management, sponsored by the SATO project**

**Co-located with European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECMLPKDD'2021)**

<i>Date and place</i>	17/09/21
<i>Type of event</i>	Online workshop
<i>Description of Activity</i>	<p>The workshop aimed at filling a gap in the EU workshop panorama, providing researchers with a forum to exchange and discuss scientific contributions and open challenges, both theoretical and practical, related to the use of machine-learning approaches in building energy management. The event, sponsored by the SATO project, is part of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECMLPKDD). Two papers were presented regarding the SATO project: 'Building appliances energy performance assessment' by Zygimantas Jasiunas, Pedro M. Ferreira and José Cecílio, and 'Buildings occupancy estimation: preliminary results using Bluetooth signals and artificial neural networks' by Frederico Apolónia, Pedro Ferreira and José Cecílio.</p> <p>The organizing Committee expects this to become a yearly Workshop series on Machine Learning for Buildings Energy Management.</p>
<i>Lead partners</i>	FC.ID
<i>N° of attendees</i>	Varied from 15 to 20 during the event
<i>Coverage level</i>	International
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>Academia, the scientific community</li> </ul>


Pictures event



Reference <https://mlbem.lasige.di.fc.ul.pt/>



**Towards a European PED definition - Workshop of PED initiatives on preliminary results.**

<i>Date and place</i>	17/09/21
<i>Type of event</i>	Workshop
<i>Description of Activity</i>	During the workshop on Positive Energy Districts hosted by EERA JPSC, Prof. Silvia Erba (POLIMI) and Prof. Lorenzo Pagliano (POLIMI) discussed briefly the paper "Combining Sufficiency, Efficiency and Flexibility to Achieve Positive Energy Districts Targets" which has been partly developed in the framework of SATO and presents one of the case studies of the project (Chiaravalle buildings).
<i>Lead partners</i>	POLIMI - eERG
<i>N° of attendees</i>	N/A
<i>Coverage level</i>	International
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- Academia, the scientific community</li> <li>- Policy makers</li> <li>- Minicipalities</li> <li>- Building construction industry</li> <li>- Smart Cities Marketplace coordinators</li> </ul>
<i>Pictures event</i>	 <div data-bbox="792 1444 1409 1822"> <p><b>Group 2: Are any important elements missing that should be reintroduced?</b></p> <p>The aspect of monitoring could be strengthened. What are useful dimensions to be monitored, in order to assess the quality of a PED/climate-neutral neighbourhood</p> <p>Integration e-mobility as a must?</p> <p>energy positivity as a benchmark to be nuanced</p> <p>policy and regulatory strongly driving the individual elements of a PED but does not consider PED</p> <p>Behavioural change enabled by collective infrastructure as proposed in IEA outlook 2020 and upcoming IPCC chapter 5.</p> <p>Combining energy sufficiency with efficiency, flexibility, RES production to achieve positive energy districts. Involve citizens &gt; lifestyle changes. Integration of actions both at building and district level.</p> </div>
<i>Reference</i>	



**Le Comunita' energetiche in Italia: un nuovo modello energetico per la citta' del futuro**

<i>Date and place</i>	24-25/09/21
<i>Type of event</i>	Online (September 24 <sup>th</sup> ) and physical event (September 25 <sup>th</sup> )
<i>Description of Activity</i>	<p>The event was organized by the Municipality of Milan and NRG2peers, a H2020 project funded by the European Union that aims to support the development of European peer-to-peer, peer-to community and peer-to-market energy communities.</p> <p>The event took place over two days:</p> <ul style="list-style-type: none"> <li>- September 24<sup>th</sup>, online event that included the workshop "Towards Resilient Cities Milan Pilot Projects". During the workshop five EU projects in which Comune di Milano is involved were presented. Prof. Pagliano presented slides and key elements of SATO such as: reduction of energy needs, flexibility and its use via SATO services.</li> <li>- September 25<sup>th</sup>, physical event held in the Chiaravalle district. Prof. Pagliano presented key elements of SATO such as: strong reduction of energy needs via envelope retrofit; flexibility and its use via SATO services.</li> </ul>
<i>Lead partners</i>	POLIMI - eERG
<i>N° of attendees</i>	<p>September 24<sup>th</sup>: 10 participants</p> <p>September 25<sup>th</sup>: 20 participants</p>
<i>Coverage level</i>	National - Italy
<i>Target stakeholders</i>	<ul style="list-style-type: none"> <li>- Consumers</li> <li>- Medium and large-sized corporation / real estate owners</li> <li>- Building construction industry</li> <li>- Municipalities</li> <li>- General Public and Media</li> <li>- Academia, the scientific community</li> </ul>
<i>Pictures event</i>	

**Le Comunità energetiche in Italia: un nuovo modello energetico per la città del futuro**

**24/09** **Mattina**

- Le comunità energetiche - Nuovo quadro legislativo e prospettive future**  
Aula polivalente - Depuratore di Nosedo  
ARERA, Comune di Milano, ENEA, GSE, Lab Gov, RSE, associazioni di categoria
- Towards Resilient Cities Pilot projects of Milan**  
Comune di Milano - Città Resilienti
- Le comunità energetiche come strumento della transizione energetica e sociale**  
AESS, ENEA, Università di Bologna
- Webinar: "COMUNITA' ENERGETICHE IN AZIONE: Conoscere per agire"**  
EPA - Energy People Alliance

**25/09** **Tutto il giorno**

- Giornata aperta nel borgo di Chiaravalle**  
Giornata di presentazioni, giochi e contributi dei partner tra le vie del borgo storico di Chiaravalle  
Quartiere Chiaravalle - Milano  
Ambiente Italia, AMAT, ARUP, Ciclochard, Collaboriamo, Comune di Milano, Consolato Olandese, Domus Academy, EPA, Klimafest, Patagonia, RSE, Terzo Paesaggio, Verde Festival, Urban Games Factory

Towards resilient cities: pilot projects in Milan		
10:00	Introduction to Milan Context	Marco Mazziotti - Head of European Affair
10:10	NRG2PEERS	Christina Paci - NRG2Peers Project Manager
10:20	VEG GAP	Mihaela Mircea - Project Manager ENEA
10:35	Urbanome	Marco Persico - Project Manager Urbanhome
10:50	Safety4rails	Marina Trentin - Project Manager Safety4Rails
11:05	Campaigners	Lissa Bitossi - Project Manager Campaigners
11:15	Sharing Cities	Roberto Nocerino - Project Manager
11:30	Food Wave	Emanuela Vita - Project Manager Food Wave
11:45	EU Gugle e Sato	Lorenzo Pagliano - PolIMI
12:00	Q&A	

### 3.2. Future events

Table 2 provides a list of future events and related target stakeholders. The first three activities have already been established and the available information are reported in the following. The other events will be further planned and developed to be organised in the coming months.

The first event in the list named "Salute del pianeta e salute umana attraverso sufficienza ed efficienza energetica e fonti rinnovabili" is a webinar under the patronage of the Italian National Institute of Health (Istituto Superiore di Sanità) that will be held on October, 1<sup>st</sup> and transmitted live on Facebook and YouTube. Prof. Pagliano (POLIMI-eERG) will give a talk on the theme of the reduction of final energy use introducing SATO project.

The second event in Table 2 named "**AI<sup>2</sup> for self-assessment of building energy performance**" is organised in the framework of the *EU Sustainable Energy Week 2021 – Towards 2030: Reshaping the European Energy System*. It will be held in collaboration with the EU H2020 project Auto-DAN (Deploying Augmented intelligence solutions in EU buildings using Data analytics, an interoperable hardware/software Architecture and a Novel self-energy assessment methodology). Figure 2 reports the programme of the event.



20/10/2021

Time	Topic	Speaker Name
13.00 – 14.20	Introduction - Relation to H2020 call topic and Link to EUSEW	Pedro Ferreira Niall Byrne
	AutoDAN project overview & Q&A	Niall Byrne
	SATO Project overview & Q&A	Pedro Ferreira, Guilherme Graça
<b>14.20 – 14.50</b>	<b>Coffee Break</b>	
14.50 – 15.50	AutoDAN live workshop	Niall Byrne
	SATO live demo	Pedro Ferreira, Guilherme Graça, Pablo Gilabert

Figure 2 - Agenda of the event "AI<sup>2</sup> for self-assessment of building energy performance" which will be held on October 20th

Table 2 – Future events

Event	Target stakeholders	Date	Partners
Webinar “Salute del pianeta e salute umana attraverso sufficienza ed efficienza energetica e fonti rinnovabili”  <a href="https://www.isde.it/evento/webinar-salute-del-pianeta-e-salute-umana-attraverso-sufficienza-ed-efficienza-energetica-e-fonti-rinnovabili/">https://www.isde.it/evento/webinar-salute-del-pianeta-e-salute-umana-attraverso-sufficienza-ed-efficienza-energetica-e-fonti-rinnovabili/</a>	<ul style="list-style-type: none"> <li>– Policy makers</li> <li>– Academia, the scientific community</li> <li>– General Public and Media</li> </ul>	01/10/21	POLIMI-eERG
AI <sup>2</sup> for self-assessment of building energy performance  <a href="https://eusew.eu/energy-days/ai%C2%B2-self-assessment-building-energy-performance">https://eusew.eu/energy-days/ai%C2%B2-self-assessment-building-energy-performance</a>	<ul style="list-style-type: none"> <li>– Policy makers</li> <li>– Grid operators</li> <li>– Building construction industry</li> </ul>	20/10/21	FC.ID, CYPE supported by: POLIMI-eERG, CORE
Enlit Europe 2021 – Formerly European Utility Week and POWERGEN Europe	<ul style="list-style-type: none"> <li>– grid operators</li> <li>– Medium and large-sized corporation / real estate owners</li> <li>– SMEs and start-ups</li> <li>– Building construction industry</li> <li>– General Public and Media</li> </ul>	30/11-02/12/2021	FC.ID, EDP, CNET supported by: POLIMI-eERG, CYPE, AMES, MIL
European workshops on nZEB for the revision of the directive	<ul style="list-style-type: none"> <li>– Policy makers</li> </ul>	TBA	POLIMI-eERG
A meeting with DG ENEGY and with members of the European Parliament	<ul style="list-style-type: none"> <li>– Policy makers</li> </ul>	TBA	POLIMI-eERG
Swissbau 2022	TBA	18-21/01/2022	EKAG
TBA	<ul style="list-style-type: none"> <li>– Building construction industry (appliance manufacture)</li> <li>– SATO Consortium and Advisory Board</li> </ul>	2022	SONAE
The second Workshop on Machine Learning for Buildings Energy Management.  Proposal to be submitted to the Workshops competitive call of ECMLPKDD'2022 ( <a href="https://2022.ecmlpkdd.org/">https://2022.ecmlpkdd.org/</a> ).	<ul style="list-style-type: none"> <li>– Academia, the scientific community</li> </ul>	September 2022, Grenoble, France	FC.ID, AAU, POLIMI
<i>Option 1:</i>  14 <sup>th</sup> REHVA World Congress CLIMA 2022	<ul style="list-style-type: none"> <li>– Building construction industry (HVAC manufacture)</li> <li>– SATO Consortium and Advisory Board</li> </ul>	15-18/05/2022	VL
<i>Option 2:</i>  Eurovent Association	<ul style="list-style-type: none"> <li>– Building construction industry (HVAC manufacture)</li> <li>– SATO Consortium and Advisory Board</li> </ul>	2022	VL



<i>Option 3:</i> Eurovent Certita	<ul style="list-style-type: none"> <li>- Building construction industry (HVAC manufacture)</li> <li>- SATO Consortium and Advisory Board</li> </ul>	2022	VL
Enlit Europe 2022 – Formerly European Utility Week	<ul style="list-style-type: none"> <li>- grid operators</li> <li>- Medium and large-sized corporation / real estate owners</li> <li>- SMEs and start-ups</li> <li>- Building construction industry</li> <li>- General Public and Media</li> <li>- Academia, the scientific community</li> </ul>	2022	FC.ID, EDP, CNET POLIMI-eERG, CYPE, AMES, MIL
eccee (European council for an energy efficient economy) events	<ul style="list-style-type: none"> <li>- TBA</li> </ul>	TBA	POLIMI-eERG

Additionally, SATO has already committed to a presence in Enlit Europe 2021 – Formerly European Utility Week. As SATO is currently starting its second year, we opted for a package including the listing of the project profile in the event website, including a 5-minute video pitch of the project. In future Enlit events we are planning participation in the live event.

## 4. Feedback from stakeholders engagement

### 4.1. Policy feedback

Throughout the entire project, the Partners will organise meetings, which have as target audience policy makers, to maximise the project impact, discuss the outcomes of the project and policy feedback into EPBD and the Ecodesign Directive/Energy Labelling Regulation.

In the meetings organized during the first year (see section 3.1 and annex B), the following aspects have been highlighted:

- importance of using proper and consistent set of physical concepts and definitions based on the nomenclature proposed by EU standards to allow effective communications among the different countries;
- the concept of “Building as Batteries”;
- the work carried out in the framework of the SATO project on utilising the flexibility produced by envelope improvement for better integration of variable RES;
- the good agreement between calculated and actual performance in buildings labelled Casaclima, PassivHaus and Minergie;
- the future energy performance scenario in terms of energy need for heating of new and retrofitted buildings which needs to be set around values of 15 kWh/(m<sup>2</sup> y).

In several meetings, the stakeholders have recognised the effectiveness of our contributions in bringing clarity of concepts and sound data based on real cases and physical insights. For example, the concepts and nomenclature from EN 52000 will be used throughout the reports of ECF and EUASE in their report

on “Decarbonizing heating”. Also, the concept of increasing flexibility by envelope improvements and its importance for better integration of variable RES received great interest in all the meetings.

## 4.2. Events feedback

Although event feedback was not collected in a systematic manner during the first year, good acceptance of the project concept was observed, as well as recognition of the potential impacts the project can create. In one case there was a specific interest on the concept of using the thermal mass of the building for increased flexibility in connection with night summer natural ventilation, that might result in a joint experiment under the scope of SATO.

In future events the partners will use the online form proposed in section 2.2 to collect information using a systematic approach.

## 4.3. Relation with other WPs

WP 1 (Specifications and Requirements for SATO – D1.1 Role of Actors and Design of Stakeholder Framework) has developed a questionnaire, to understand the needs of different types of stakeholder in terms of needs and desired level of interaction with the energy systems. It has been distributed in all the countries involved: Portugal, Spain, Germany, Italy and Denmark.

Through the questionnaire and interviews different actors such as occupants, building owners/managers, facility manager, energy service companies and grid operators have been informed about the project and, on the other hand, the Consortium was able to receive important feedbacks for the project development.

Grid operators, for instance, highlighted the need of various flexibility services such as: load shifting, flexibility forecast, flexibility dispatch, data acquisition lower than 5 minutes, energy systems available for flexibility app-based (complemented with web-based). The SATO platform responds exactly to these needs by offering greater flexibility and dynamism with the grid. The solutions offered by the SATO project appeared also compatible with the needs exposed by all the actors inherent in the building construction field such as building construction companies, building designers, architects, engineers and manager. To date, greater flexibility is also required in the field of appliance and a real-time connection is required to better manage all the devices and minimize their impact. As for the stakeholders involved in the design and construction of a building, i.e. designers, architects and engineers, they have expressed their consent confirming that the BIM 3D based interface is an appropriate tool to convey the capabilities of SATO to users who will manage the building. Obviously, to meet the needs of consumers, the platform must be equipped with a simplified and easy-to-read interface. SATO objectives have proved to be extremely useful for energy managers of large buildings but also end users have shown a high degree of curiosity and receptivity to the capabilities of AI for controlling the energy system. The involvement of these figures is extremely necessary, especially to ensure the continuity of the project after the end of the four years.

## 5. Cluster with related European projects

Clustering with other projects is very important to maximize the H2020 programme impact, extend the stakeholders network and share knowledge and achievement in research and innovation.

The SATO project has identified several relevant European projects, for potential collaboration. The relation with one of these projects has already been established.

Auto-DAN project (GA: 101000169) Deploying Augmented intelligence solutions in EU buildings using Data analytics, an interoperable hardware/software Architecture and a Novel self-energy assessment methodology.

Program: [H2020-EU.3.3.1. – Reducing energy consumption and carbon footprint by smart and sustainable use](#)

Topic: [LC-SC3-B4E-10-2020 – Self-assessment and self-optimisation of buildings and appliances for a better energy performance.](#)

This collaboration resulted already in one activity: the joint organisation of an event under the scope of the *EU Sustainable Energy Week 2021*.

Since both projects have pilot sites in the city of Milan, we are planning a demonstration joint event.

## 6. Stakeholders engagement through scientific publications and online articles

Stakeholders engagement took place also through online articles and scientific publications. Table 3 and Table 443 report the communication and dissemination activities from M6 to M12. The report of digital activities until M6 was carried out in deliverable D8.4 “Periodic Digital Dissemination Activities Report”.


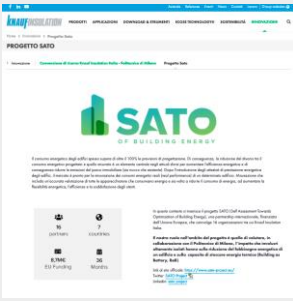
**Table 3 – SATO scientific publications**

Reference	Title	Authors	Partner	Date
<a href="https://www.mdpi.com/1996-1073/14/15/4697">https://www.mdpi.com/1996-1073/14/15/4697</a> <a href="#">Open access</a>	Combining Sufficiency, Efficiency and Flexibility to Achieve Positive Energy Districts Targets	Silvia Erba, Lorenzo Pagliano	POLIMI	03/08/2021
<a href="https://mlbem.lasige.di.fc.ul.pt/">https://mlbem.lasige.di.fc.ul.pt/</a> Future publication in Proceedings volume.	Buildings Occupancy Estimation: Preliminary results using Bluetooth signals and Artificial Neural Networks	Frederico Apolónia, Pedro M. Ferreira, José Cecílio	Fciências.ID	05/08/2021

<p><a href="https://mlbem.lasige.di.fc.ul.pt/">https://mlbem.lasige.di.fc.ul.pt/</a></p> <p>Future publication in Proceedings volume.</p>	<p>Building appliances energy performance assessment</p>	<p>Zygmantas Jasiunas, Pedro M. Ferreira, José Cecílio</p>	<p>Fciências.ID</p>	<p>05/08/2021</p>
---	--	--	---------------------	-------------------

Table 4 - SATO Press release and other online materials

Extract	Reference	Partner	Date
	<p><a href="https://www.casadomo.com/2021/07/09/proyecto-sato-aplicara-tecnologias-ia-visualizacion-3d-apis-mejorar-eficiencia-energetica-edificios-inteligentes">https://www.casadomo.com/2021/07/09/proyecto-sato-aplicara-tecnologias-ia-visualizacion-3d-apis-mejorar-eficiencia-energetica-edificios-inteligentes</a></p>	<p>CYPE</p>	<p>09/07/2021</p>
	<p><a href="https://plataformaptec.es/el-proyecto-sato-aplicara-tecnologias-de-ia-visualizacion-3d-y-apis-para-mejorar-la-eficiencia-energetica-de-los-edificios-inteligentes/">https://plataformaptec.es/el-proyecto-sato-aplicara-tecnologias-de-ia-visualizacion-3d-y-apis-para-mejorar-la-eficiencia-energetica-de-los-edificios-inteligentes/</a></p>	<p>CYPE</p>	<p>N/A</p>
	<p><a href="https://osao.com.mx/sato-aplicara-tecnologias-de-ia-visualizacion-3d-y-apis-en-edificios-inteligentes/">https://osao.com.mx/sato-aplicara-tecnologias-de-ia-visualizacion-3d-y-apis-en-edificios-inteligentes/</a></p>	<p>CYPE</p>	<p>27/07/2021</p>
	<p><a href="https://domosistemas.com/?p=14334">https://domosistemas.com/?p=14334</a></p>	<p>CYPE</p>	<p>09/07/2021</p>

	<p><a href="#">Knauf Insulation Italy 2021 Products Catalogue</a> -  <a href="https://it.knaufinsulation.com/scarica-catalogo-prodotti-2021">https://it.knaufinsulation.com/scarica-catalogo-prodotti-2021</a> -  <a href="https://seureshare.knaufgroup.com/#/public/shares-downloads/igKbXYExv3CIIMvcttxpGCAIftJ6OC9i">https://seureshare.knaufgroup.com/#/public/shares-downloads/igKbXYExv3CIIMvcttxpGCAIftJ6OC9i</a></p>	<p>KNAUF</p>	<p>10/06/2021</p>
	<p><a href="https://www.knaufinsulation.it/innovazione/progetto-sato">https://www.knaufinsulation.it/innovazione/progetto-sato</a></p>	<p>KNAUF</p>	<p>01/04/2021</p>

## 7. Conclusions

Stakeholders engagement is fundamental since it:

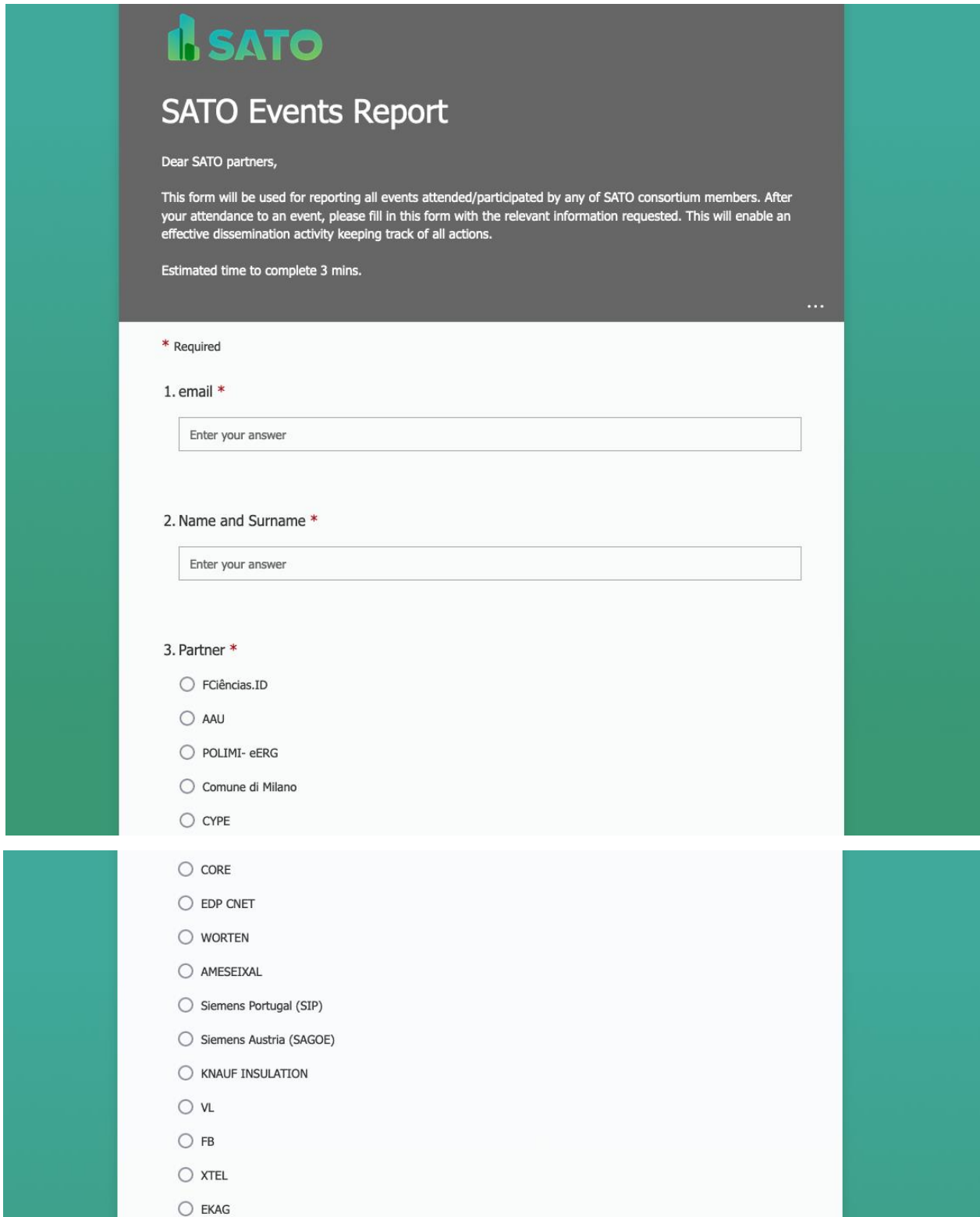
- (1) creates public awareness and scientific interest generation,
- (2) directly involves actors that could help bridging the gap between the SATO concept and its market application,
- (3) leads the maximization of the impacts of the project achievements.

The SATO platform will be developed to respond to the needs of the users and the grid; consequently, a constant feedback-based process is necessary to ensure project outcomes are relevant to society and aligned with the demands of the market.

During the first year the SATO project participated in a significant number of diverse types of dissemination and stakeholder events, from the publication of scientific articles, the presentation of talks and seminars, to the organization of a conference workshop, and the participation in energy-related events.

## 8. ANNEX A

POLIMI and CORE have developed the following online form to collect relevant information regarding the events proposed by the Consortium to communicate about the project, disseminate the results and engage stakeholders.



**SATO**

### SATO Events Report

Dear SATO partners,

This form will be used for reporting all events attended/participated by any of SATO consortium members. After your attendance to an event, please fill in this form with the relevant information requested. This will enable an effective dissemination activity keeping track of all actions.

Estimated time to complete 3 mins.

...

**\* Required**

**1. email \***

Enter your answer

**2. Name and Surname \***

Enter your answer

**3. Partner \***

- FCIências.ID
- AAU
- POLIMI- eERG
- Comune di Milano
- CYPE
- CORE
- EDP CNET
- WORTEN
- AMESEIXAL
- Siemens Portugal (SIP)
- Siemens Austria (SAGOE)
- KNAUF INSULATION
- VL
- FB
- XTEL
- EKAG

## 4. Other partners involved \*

- FCIências.ID
- AAU
- POLIMI- eERG
- Comune di Milano
- CYPE
- CORE
- EDP CNET
- WORTEN
- AMESEIXAL
- Siemens Portugal (SIP)
- Siemens Austria (SAGOE)

- KNAUF INSULATION
- VL
- FB
- XTEL
- EKAG
- None

## 5. Name and Place of event \*

## 6. Date of event \*



## 7. Type of event \*

- Conference
- Workshop
- Webinar
- Fair
- Other

## 8. Type of Activity (e.g. presenter, participant, booth exhibition, coordinator etc.) \*

 Presentation Participation Exhibition Booth Coordination Other

9. Description of Activity (including event link) and specification of SATO topics that have been covered (e.g. overall project, case studies, platform, specific WPs, etc.)

\*Upload related material such as photos, presentation in the Repository > 04-Events & Publications > Material from Events \*

Enter your answer

10. Size of the Audience (e.g. people that attended the event, number of people the activity has reached) \*

Under 50

50-200

200-500

Over 500

Online Event

Other

11. Coverage level \*

Local

Regional

National

EU

International

12. Stakeholders involved/target audience \*

Consumers (building owners and occupants)

Grid operators (Transmission System Operators (TSOs), Distribution System Operators (DSOs), retailers, aggregators, Balance Response Parties (BRPs))

Policymakers

Medium and large-sized corporation/ real estate owners - growing enterprises that are forced by always stricter regulations

Building industry: building construction companies, building designers and appliance manufacturers, architects and managers

Municipalities

General Public and Media

SATO Consortium and Advisory Board

SMEs and start-ups

Academia, the scientific community

Other

13. If other, please specify

Enter your answer



## 9. ANNEX B



*Brussels, 29 September 2021*

To Whom It May Concern,

With the present letter, I acknowledge that Prof. Lorenzo Pagliano and Prof. Silvia Erba, have prepared documentation materials and attended 3 workshops of the research project carried out by Cambridge Econometrics on the macroeconomic impact of decarbonizing the building stock by 2050. The study is supported by the European Climate Foundation and project-managed by the European Alliance to Save Energy.

Lorenzo and Silvia - as part of an expert panel including 15-20 experts representing different industrial sectors, academia, research centres and environmental NGOs - provided a decisive contribution to the initial phases of the project development including data gathering and definitions of assumptions and modelling scenarios.

The contribution provided by sharing recent findings on:

- the concept of "Buildings as Batteries"
- the work carried out in the framework of the SATO project on utilising the flexibility produced by envelope improvement for better integration of variable RES
- the good agreement between calculated and actual performance in buildings labelled Casaclima, PassivHaus and Minergie

has added value to the discussion and introduced interesting new elements of reflection.

The project foresees the organisation of two more workshops and the final launch of the study in Brussels, at the beginning of 2022. We look forward to continuing the fruitful collaboration.

Yours sincerely,

Monica Frassoni  
President  
European Alliance to Save Energy