

# SmartBuilt4EU highlights

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 956936.

#### SmartBuilt4EU in a nutshell



#### Support to the coordination of European smart buildings innovation community

- Call: Building a low-carbon, climate resilient future: secure, clean and efficient energy
- 01/10/2020 31/03/2023
- **Duration: 30 months**
- SmartBuilt4EU has supported the emergence of a smart buildings market in Europe. In addition to promoting exchanges between innovators, the project has coordinated a large stakeholder's community in promoting and testing the Smart Readiness Indicator (SRI).





















#### Main objectives & activities



- Consolidate & support the innovation ecosystem in the SB value chain
- Reference and promote key innovators and innovations in SB
- Consolidate findings into a SRIA
- Recommendations to policy

Mapping and consolidation of the Smart Building **Innovation Community** 

Referencing & promotion of innovators web-platform



Join the SBIC!

- Feed the design of future HEu calls on SB
- makers

R&I roadmap and policy recommendations

Strategic R&I agenda

**Smart building** Innovation community

> EU funded projects

Knowledge sharing and supporting activities for the SBIC

Setting up Task Forces & drafting of white papers, success stories, participation to major events

- Collaborative work
- Break silos, share information
- Identify barriers, opportunities & best practices for the further uptake of SB

Contribution to the promotion, experimentation and roll-out of the SRI as a base for the smart building business case

Tools and coaching for the smart readiness indicator



5<sup>th</sup> activity: communication & enhance visibility of the SBIC

support the deployment of the SRI

Develop and test tools to

#### Key results and outcomes



**Brochure on Smart Buildings EUfunded innovations** 

**Success stories** 

1

Mapping and consolidation of the Smart Building Innovation Community

Referencing & promotion of innovators web-platform



Join the SBIC!

SRIA

**Policy Recommendations** 

(Available <u>soon</u>)

4

R&I roadmap and policy recommendations

Strategic R&I agenda

Smart building Innovation community

> EU funded projects

2

Knowledge sharing and supporting activities for the SBIC

Setting up Task Forces & drafting of white papers, success stories, participation to major events **12 White Papers** 

**Brochure on Smart Buildings Future Technologies** 

**Co-benefit indicators** 

**Factsheets** 

**Solution packages** 

Awareness sessions on SRI (recordings)

3

Contribution to the promotion, experimentation and roll-out of the SRI as a base for the smart building business case

Tools and coaching for the smart readiness indicator



5<sup>th</sup> activity: communication & enhance visibility of the SBIC

#### 12 White papers – 4 Task forces



### TF1: Interactions with users

- End user acceptance and attractiveness
- Occupant-centric building for enhanced quality of life
- Responsive end-user

### **TF2:** Efficient building operation

- Interoperability
- Optimised building costs
- Smartness to reduce building's environmental impacts:

### TF3: Interactions with the external environment

- Providing flexibility to power grids
- Smart building integration into multiple networks
- Data driven indicators

**TF4: Crosscutting issues** 

- Smart financing & business models
- Data governance
- Education and upskilling



**BARRIERS** 

**DRIVERS** 

#### **R&I** gaps

(R&D, demo, scaling up & industrialisation, awareness raising, regulation, certification & standardisation)

Strategic Research & Innovation Agenda

**Policy Recommendations** 

## SRIA – overview of topics covered



1	Interoperability in buildings	2	Interoperability for grid flexibility
3	Innovative Buisiness Models	4	Testing Facilities And Living Labs
5	Co-benefits	6	Life Cycle Environmental Impacts
7	Making Better Use Of The Data	8	Supporting Increased Public Awareness
9	Dataprivacy And Cybersecurity	10	Support Policy Developments

#### Policy Recommendations – overview of topics covered



smart buildings data governance
 open data culture/framework
 dynamic building certificates (e.g. logbook)
 interoperability of smart solutions and flexibility of smart buildings
 SRI implementation support
 labelling of devices and building certification
 regulatory sandboxes

upskilling

(green) public procurement







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10:40-11:40	Project pitches and panel	Project pitches and panel session:	
	session: Smartness upgrades	Supporting the implementation of	
	and the Smart Readiness	the Smart Readiness Indicator	
	COLLECTIEF – Vahid Nik     (Lund University)     PHOENIX – Alfonso     Ramallo (UMU)     SATO – Pedro M.     Ferreira (FCIENCIAS.ID)     Auto-DAN – Celina     Solari (RINA)  Moderation: Regis Decorme  (Managing partner 8, co.	<ul> <li>EasySRI – Dimos Ioannidis (CERTH/ITI)</li> <li>SRI2MARKET – Filippos Anagnostopoulos (IEECP)</li> <li>SRI-ENACT – Laura Junasová (Euroheat &amp; Power)</li> <li>Smart² – Andrei Vladimir Litiu (REHVA)</li> </ul> Karine Lafont (Senior Consultant & Associate Partner, DOWEL	
	(Managing partner & co- founder, R2M Solutions France)	innovation)	
11:40-12:10	Focus on smart buildings clusters		
	Smart Buildings in Use – Ruben [	Alain Zarli,	
	The Built4People R&I Partnership Construction Technology Platforn	(Secretary General, ECTP)	
	& the Nebula project and New Eu Yurchyshyna, European Construc		
12:10-13:20	Lunch		