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February 2023

Smart Readiness Indicator

Newsletter



#SmartReadinessIndicator 

Editorial

Welcome to the SRI February 2023 update

We have a lot to share with you in this edition:

- SRI Platform 3rd plenary meeting (22 March 2023)
- "Smart Buildings in Europe" conference (23 March 2023)
- A survey to support Member States to implement the SRI
- Provisional guidance on the implementation of the SRI
- SRI digital calculation tools
- SRI training and live demo of the SRI assessment package
- "SRI-explained": a focus on cooling & dynamic building envelopes

We hope you will enjoy this update !

Events

SRI Platform 3rd Plenary Meeting: a reminder to register !

The SRI platform is an exchange forum involving building professionals interested in the SRI, and more generally in smart and efficient buildings. Its plenary meetings contribute to the promotion of the SRI and related best practices, by bringing together all interested stakeholders and EU countries to discuss technical, regulatory and implementation aspects of the SRI. This 3rd plenary meeting aims to provide an update about the SRI on EU policy and an overview of key activities conducted by the SRI support team. Each of the three SRI working groups will update participants on their work and achievements, and representatives of the new LIFE projects will report on their progress to date. Final results from surveys conducted on the SRI assessment package and on the needs of EU countries will also be shared with the audience.



Important: please note that the meeting time and exact location have been updated.

When: 📅 Wednesday 22 March 2023, 14:30 CET - 18:00 CET

Where: 🏠 Hybrid meeting. European Commission, Rue de la Loi 170, Brussels, Belgium, Charlemagne Building, Room Sicco Mansholt

Register [here](#) to attend the 3rd Plenary Meeting of the SRI Platform, in Brussels or online.

Further details and agenda on [this event page](#).

Conference "Smart Buildings in Europe"

The day after the SRI 3rd Plenary Meeting, the conference "Smart Buildings in Europe" is organised by the SmartBuilt4EU H2020 project and the European Commission.

The "Smart Buildings in Europe" conference will introduce to key conclusions and outcomes from the SmartBuilt4EU project, in particular a European Strategic Research & Innovation Agenda (SRIA) for smart buildings, and a set of policy recommendations on how to foster future paths to generate breakthroughs in the future smart Built Environment.

If you are interested in Research & Innovation topics related to smart buildings, this is an opportunity not to miss.

Smart buildings in Europe

Project Final conference

When: 📅 Wednesday 23 March 2023, 09:00 CET - 16:00 CET

Where:📍 Hybrid meeting. COMET Louise, Place Stéphanie 20, 1050 Brussels, Belgium

Registration is free at [this link](#).

Further details and agenda available at [this link](#).

News

A survey to support Member States to implement the SRI

As more EU Member States begin SRI test phases the European Commission is looking to provide support to help Member States with their implementation of the SRI. As part of this process the SRI support team is seeking input from the SRI community about the most useful assistance that could be provided to Member States.

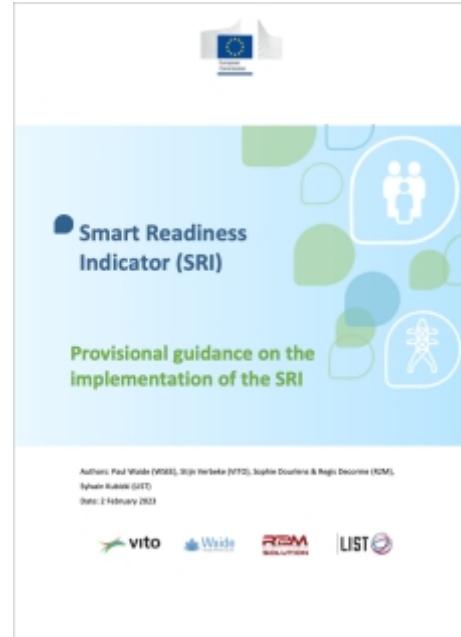


Accordingly, an online survey has just been opened that is seeking the input of professionals who have been considering the SRI and the needs of Member States to implement it successfully in their jurisdictions. All members of the SRI community are encouraged to provide their thoughts by completing the survey at [this link](#).

The deadline for its completion is : 23 March 2023. All contributions are welcome and confidentiality and GDPR will be respected. Thank you for your help!

Provisional guidance on the implementation of the SRI

The European Commission supports a harmonised implementation of the Smart Readiness Indicator (SRI) across the Member States (MS) who voluntarily opt to implement it. This document, is an output of the activities of the SRI support team, and aims to provide provisional guidance on the implementation of the SRI during the period when Member States may opt to conduct test phases. At a future date the European Commission may prepare formal guidance on the implementation of the SRI informed by the experience accrued during the national test phases. The current version presents guidance that draws upon the knowledge of the SRI technical support team and some experience already relayed through provisional MS testing.



[permalink](#)

[Main URL](#)



Contact

[SRI Support team](#)

SRI digital calculation tools

Several initiatives are currently being implemented to develop digital tools to support the implementation of SRI assessments, and provide complementary SRI-related services to improve the smartness of buildings.

Non-confidential information about these initiatives is provided in [this page](#) of the SRI website.

+ **D^2EPC Building Performance Module-SRI Calculation Subcomponent**

+ **EPC-RECAST BIM supported SRI assessment tools**

+ **Smart-Ready-Go®**

+ **Smart2B Smart performance assessment & Advisor (SPA&A)**

+ **SRI2MARKET platform**

+ **SRI Calculator in IsZEB Certify**

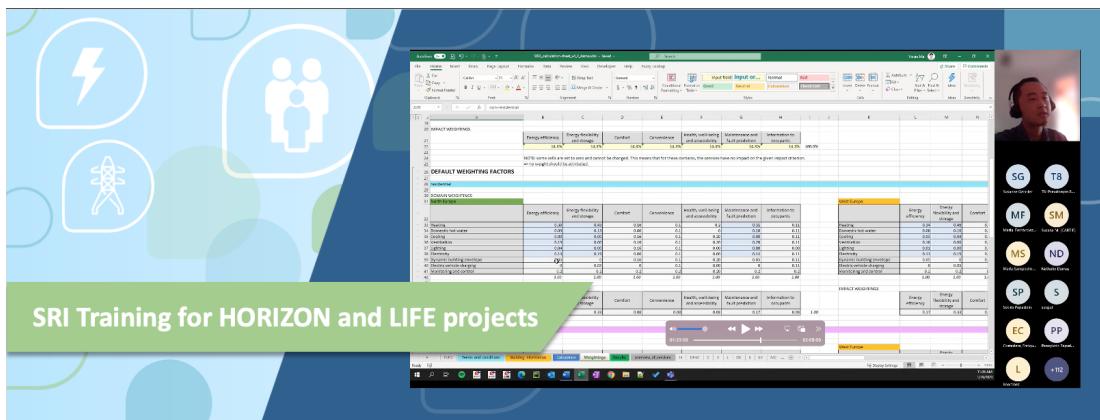
+ **U-CERT Smart Readiness Indicator (SRI) digital tool**

If you would like to see your own initiative referenced in this table, please [contact us](#)

New SRI training webinar and live demonstration of using the SRI assessment package

The recording of our latest training webinar, designed specifically for projects supported under the HORIZON and LIFE programmes, is now available to watch online.

The webinar includes a live demonstration of using the SRI assessment package which provides a practical example on how to evaluate step by step the smart readiness of a building.



- 🎥 Watch the entire webinar [here](#). The presentation can be accessed [here](#).
- 🎥 Watch only the live demonstration [here](#).
- ⌚ Request the SRI assessment package by completing the online form at [this link](#).

“SRI-explained”: a focus on cooling & dynamic building envelopes

SRI is a common EU scheme for rating the smart readiness of buildings across nine technical domains.

SMART READINESS INDICATOR (SRI)
A FOCUS ON DYNAMIC BUILDING ENVELOPE SYSTEMS

SRI is a common EU scheme for rating the smart readiness of buildings. Dynamic building envelope is one of the nine technical domains addressed by the SRI. A building envelope encompasses the entire exterior of the building system and serves to protect the interior while facilitating climate control of a building. This includes windows, roof, doors, floor, foundations, and insulation. Buildings represent roughly 40% of energy consumption and 36% of energy-related CO₂ emissions in the EU. Building envelope performance improvements are critical to reducing thermal losses and operational CO₂ emissions. Dynamic building envelope technologies include for instance dynamic shading systems, or advanced smart windows such as electrochromic glazing. They provide a reliable means for reduced annual energy demands, improved control over the indoor climate, as well as an increased comfort and convenience for building occupants.

AN EXAMPLE OF SMART-READY SERVICE

The SRI implements a catalogue of smart-ready services. The next page provides one example of smart-ready service categorised under the dynamic building envelope technical domain. An example of a full smart-ready-services catalogue can be obtained by requesting the SRI assessment package at: <https://ec.europa.eu/eusurvey/runner/SRI-assessment-package>

Control window open/closed control, with HVAC system

Open/closed detection to shut down heating or cooling systems	Level 1 + Automated mechanical window opening based on room sensor data	Level 2 + Centralized coordination of operable windows
1	2	3 (maximum smartness)

Functionality Level

VELS CORRELATION WITH SRI IMPACT CRITERIA

of a given smart-ready service has corresponding individual **ten impact criteria** addressed by the SRI, as illustrated below.

Intelligence and fault prediction	Comfort	Convenience	Health, safety and accessibility	Information to occupants	Energy flexibility and storage
0	0	0	0	0	0
0	1	1	0	0	0
0	2	1	1	0	0
0	2	2	1	0	0

ction to shut down heating or cooling systems – offers higher level of comfort and convenience for building ed mechanical window opening based on sensor data - ifort, convenience, and improved health, well-being and upants. ilized coordination of operable windows (e.g. to control combines energy efficiency with a high level of comfort as improved health, well-being and accessibility for regulation. Member States shall make available at least used by experts as the basis for identifying and Smart-ready service catalogue includes the list of smart-ed for calculating the smart readiness score, related responding individual scores for the impact criteria. o make available several smart-ready catalogues, for/pes.

international associations to learn further about dynamic ide: EDSF (European Door and Shutter Federation e.V.), Organisation), EuroWindoor, Glass for Europe

CONTACT US

and resources: <https://ec.europa.eu/smart-readiness-indicator>
ct: Brigitte Jacquemont: ENER-BUILDINGS@ec.europa.eu
martreadinessindicator

Research & Innovation activities around the SRI. open Smart Buildings Innovation Community at: [our-community](https://ec.europa.eu/eusurvey/runner/SRI-community)

- **Cooling** is the fastest growing use of energy in buildings.
- **Dynamic building envelope technologies** include for instance dynamic shading systems, or advanced smart windows such as electrochromic glazing.

Get a closer look at these two SRI technical domains in our latest SRI-explained factsheets, with examples on how smart controls can help achieving reduced energy demand, increased comfort, convenience, and flexibility for the grid. You will find all available factsheets, as well as further useful implementation tools, on [this page](#).

News and updates on the implementation of the smart readiness indicator (SRI) under the energy performance of buildings directive (EPBD).

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