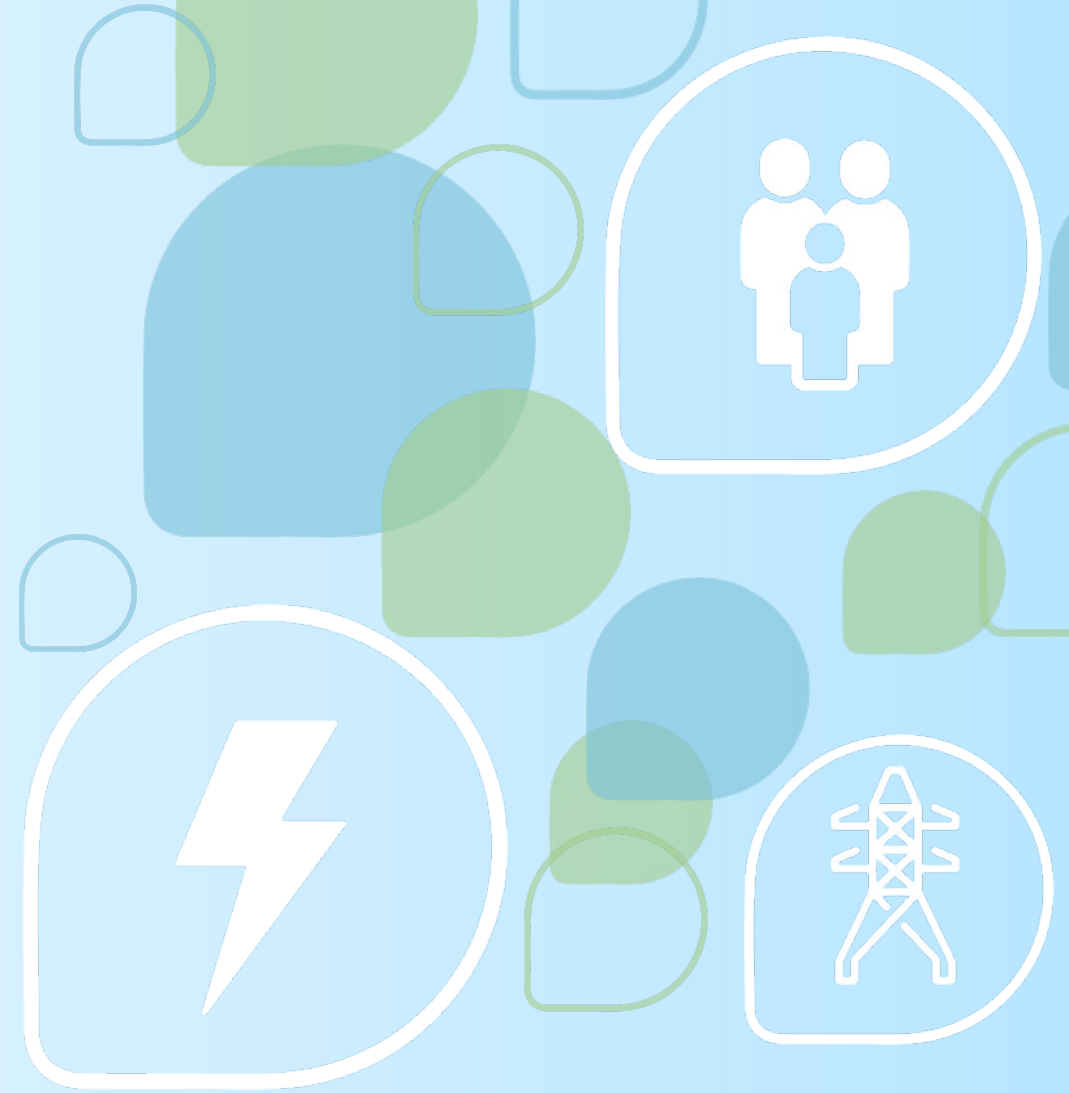


Smart Readiness Indicator (SRI)

SRI Platform
Working Group 1
Second meeting



Disclaimer

- This document is provided by the SRI support team, comprised of [VITO](#) (Belgium), Waide Strategic Efficiency Europe (Ireland), [Research to Market \(R2M\) Solution](#) (France) and [LIST](#), the Luxembourg Institute of Science and Technology. The SRI support team has been awarded a two-year service contract by the European Commission in order to provide technical assistance to the European Commission services and to Member States in the first phases of the testing and implementation of the SRI



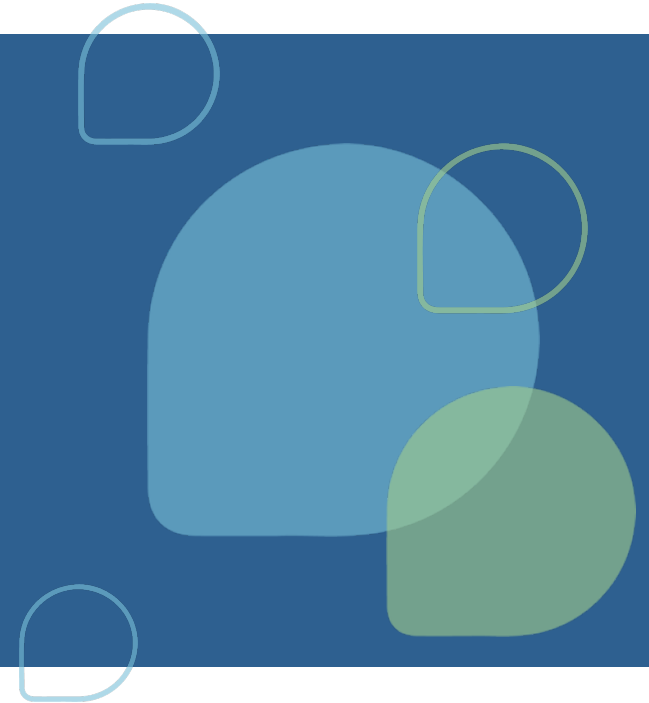
- This document has been prepared for the European Commission; however, it reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein



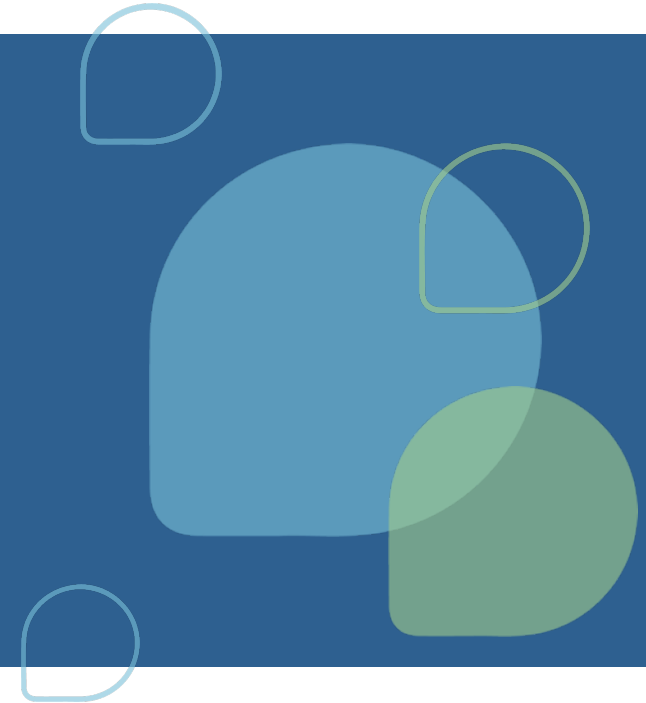
Agenda

- Introductory words from the European Commission
- Progress of the ongoing test phases: Austria, Czech Republic, Denmark, France, Finland
- Discussion about the disclosure of WG1 outcomes to the SRI platform
- Identification of topics for discussion for the next WG1 meeting

Introductory words from the European Commission



Progress of the ongoing test phases



Testing phases by Member States

First round of the call for expressions of interest (October 2021)



Austria



Czech Republic



Denmark



France

Second round of the call for expressions of interest (June 2022)



Croatia



Finland

Other Member States are welcome to launch a test phase anytime!



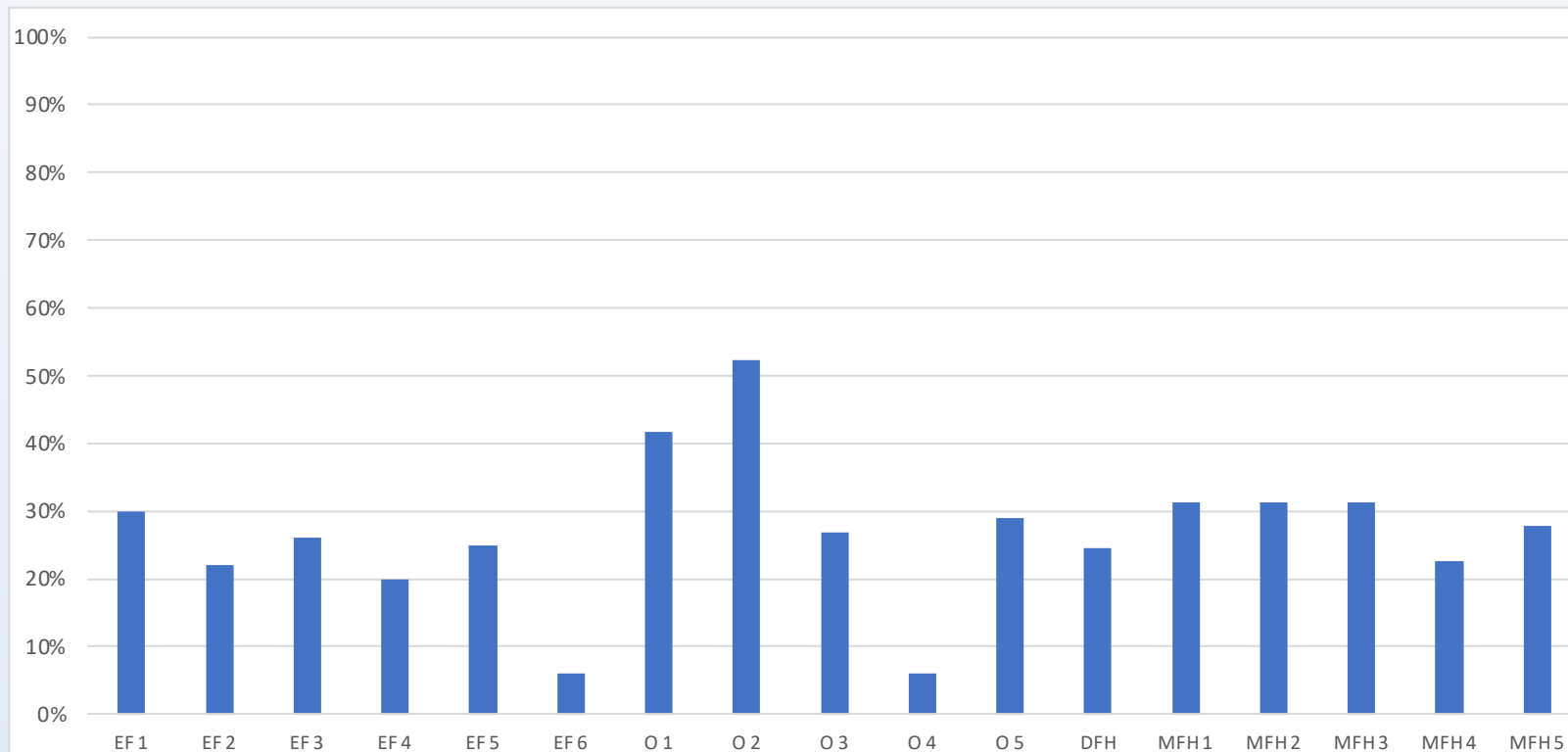
Recently selected
[LIFE-2021-CET-SMARTREADY](#)
projects may support
Member States' test
phases

FIRST REPORT AND OUTLOOK FOR THE NATIONAL TEST PHASE ON THE SRI IN AUSTRIA

Robert Stadler
7 Austrian Institute of
Construction
Engineering (OIB)

Analyzing the SRI methodology, proposed by the European Commission in 2020

The analysis focuses on the "detailed" catalogue (expert 'method B'). Potential effects from different uses, climate zones, building size or the condition of the building are not considered. The results come from the analysis of 17 buildings, they are shown in Figure 1 below. There are 5 educational, 4 office buildings, 1 double family home and 5 multi-family home buildings. Results range from values of 6 to 52%. None of the buildings achieved a higher SRI value, although some of them are new and so called 'innovative' buildings. The range within the results is also small: 76% of the buildings achieve a value between 20 and 31%.



EF – Educational Facility
O – Office
DFH – Double Family Home
MFH – Multi Family Home

Availability of required data

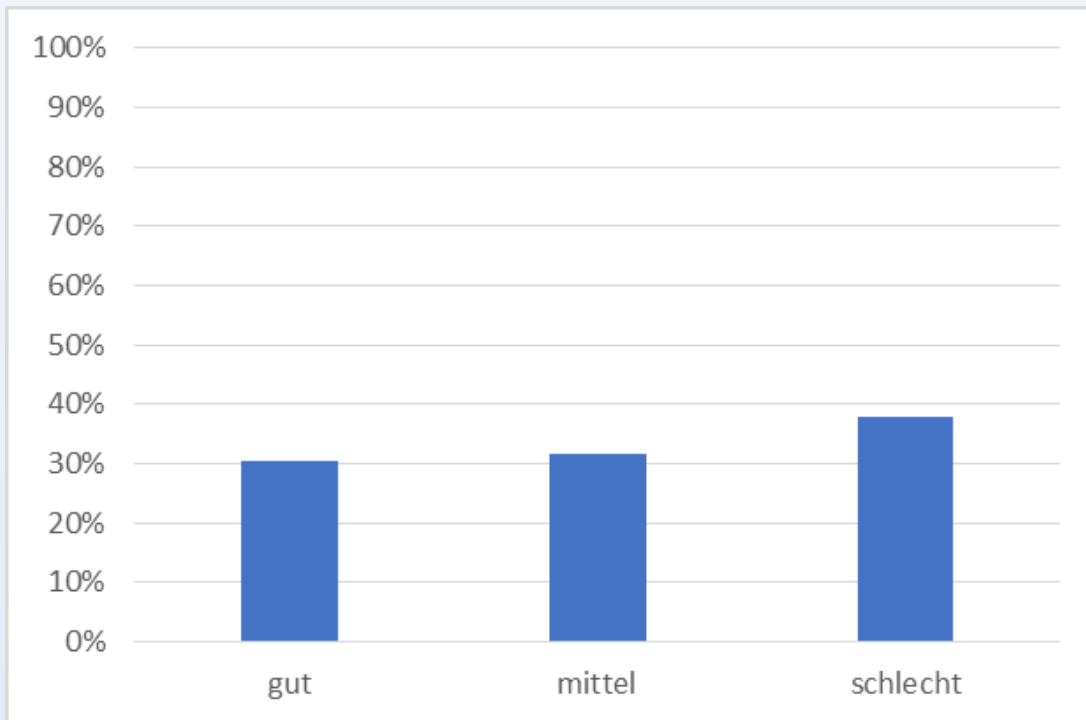
The availability of data was also recorded when the 17 buildings were evaluated (see Figure).

This was divided into three categories: good, medium and poor.

'Good' was defined when the necessary information could be found in a written document - e.g. in the energy certificate, in a technical report or similar.

'Medium' was defined as a logical sequence of written information, but also information gathered from facility management.

'Poor' data availability is characterized by the need for assumptions. Only 30% of the data required for the evaluation showed good data availability. 38% of the data were not available and had to be assumed.



Even if the analysis in this paper concentrates on the “detailed” catalog (method B): The evaluation using the “simplified” (method A) service catalogue achieves far better, i.e. higher, SRI results than the “detailed” service catalogue. A corresponding explanation and "defusing" of the meaningfulness of the "simplified" version would be desirable.

The possibilities for non-evaluation of services

The setting of the domains (e.g. presence of ,cooling') affects the maximum number of points that can be achieved. Otherwise essential services can be deactivated. "Applicable" or "not applicable" does the same thing, but only for non-essential services. If one sets "not applicable" instead of "applicable with functionality level 0" gets a positive effect on the overall SRI score, since a lower overall score is achievable with the latter. In terms of technical content, however, the two evaluation options often mean the same thing.

As an example: Whether the service "avoidance of overheating" is not applicable for the respective building or whether the functionality level 0 (without overheating control) is selected does not actually make any difference in terms of technical content, but in this evaluation method it does.

Table 1: Example of an SRI assessment with different availability of ,cooling' and ,charging of electric vehicles' and connected services

Existing domain	Is the service in the respective building applicable or not	Functionality level set by the SRI auditor	Total SRI score
Not available	-	-	29,97%
Available	Not applicable	-	26,33%
Available	Applicable	Functionality level 0	22,90%

10

Different levels of functionality with the same rating

Different functionality levels result in the same evaluation for some services: For the service 'control of the distribution pumps in networks' (heating and cooling), no further improvement can be achieved from functionality level 2. The same principle applies to airflow or pressure control at the ventilation system level, storage of (locally generated) electricity, support for (micro)grid modes and EV charging capacity. This raises the question of why higher functionalities are described and can be selected, but do not result in any difference in the evaluation.

Conclusions so far

- An only qualitatively-focused evaluation does not create good comparability of different system approaches and solutions. Not every building has the same requirements; functional necessities are often dependent on uses, local framework conditions (e.g. climate, natural shadows, structural density) and architectural conditions (e.g. proportion of windows, construction method).
- This makes it clear that a strongly qualitative-focused evaluation using a functionality checklist does not meet individual circumstances and individual needs.
- 11 • The mere fact that a certain system with high-quality functionality is in place is not sufficient for an assessment in terms of the overarching goals of the SRI. In some cases, it must also be clarified whether or how this system can be operated beneficially in the respective building

Outlook for the further stages of the national test phase on the SRI in Austria

- Moving from method comparison to method development (SRI Austria – AEE Intec, BOKU).
- Testing and validation of methods with data of more buildings
- Enforced exchange/consultation with Austrian stakeholders
- Austrian participation in projects granted by the LIFE-2021-CET-SMARTREADY calls:

SRI2Market

easySRI

Consortium Members

No	Partner	Country	Type
1	Centre for Research & Technology Hellas [CERTH]	Greece	Research
2	Negawatt PC [Negawatt]	Greece	SME
3	Frederick Research Center [FRC]	Cyprus	Research
4	Energy@Work Società Cooperativa a R.L. [E@W]	Italy	Non-profit
5	CETMA Technologies Design and Materials European Research Center [CETMA]	Italy	Research
6	SGS TECNOS S.A [SGS]	Spain	Industry
7	SERA global GmbH [SERA]	Austria	SME
8	Austrian Standards International [ASI]	Austria	Non-profit

Acronym: SRI2MARKET

2 - Participants

List of participating organisations

#	Participating Organisation Legal Name	Country	Role
1	INSTITUTE FOR EUROPEAN ENERGY AND CLIMATE POLICY STICHTING	NL	Coordinator
2	FEDERATIE VAN VERENIGINGEN VOOR VERWARMING EN LUCHTBEHANDELING IN EUROPA REHVA	BE	Partner
3	UNIVERSITY OF PIRAEUS RESEARCH CENTER	EL	Partner
4	HEBES INTELLIGENCE SINGLE MEMBER LLC	EL	Partner
5	ADENE - AGENCIA PARA A ENERGIA	PT	Partner
6	AEE - INSTITUT FÜR NACHHALTIGE TECHNOLOGIEN	AT	Partner
7	FUNDACION CENER	ES	Partner
8	ENERGETSKI INSTITUT HRVOJE POZAR	HR	Partner
9	ENERGEIAKO GRAFEO KYPRION POLITON	CY	Partner
10	UNIVERSITÄT FÜR BODENKULTUR WIEN	AT	Partner
11	R2M SOLUTION	FR	Partner
12	CERTIFICACION ENERGETICA SL	ES	Partner

Thank you for your attention!

¹³ Österreichisches Institut für Bautechnik
Schenkenstraße 4 | 1010 Wien | Austria

SRI WG 1

SRI TEST PHASE

Czechia

september 2022

prof. Ing. Karel Kabele, CSc.

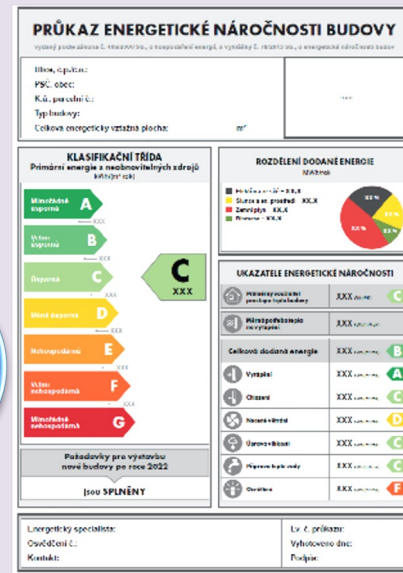
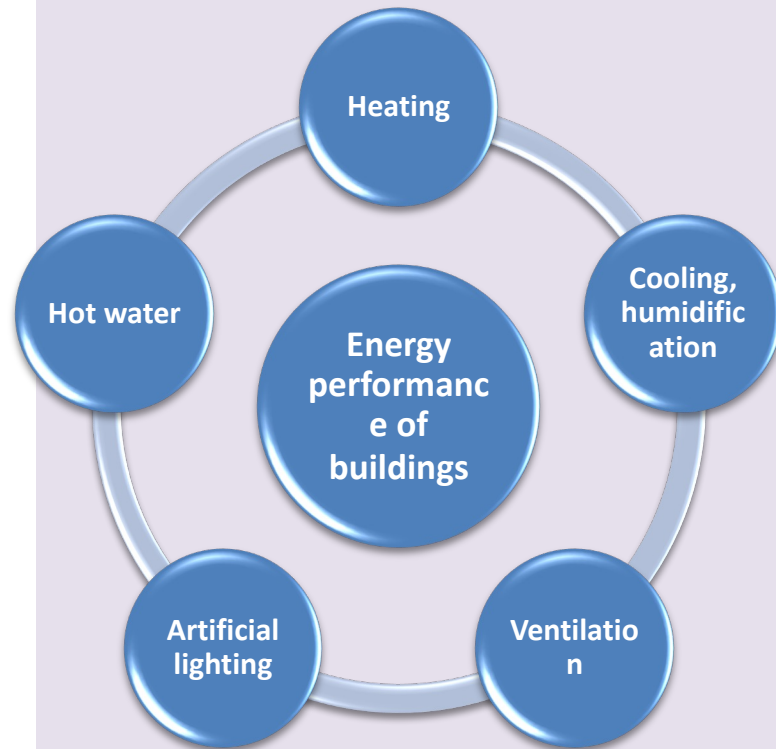
Czech Technical University in Prague

Faculty of Civil Engineering

Dept of Indoor Environmental and Building Services Engineering

ENERGY PERFORMANCE AND INDOOR ENVIRONMENT ASSESSMENT

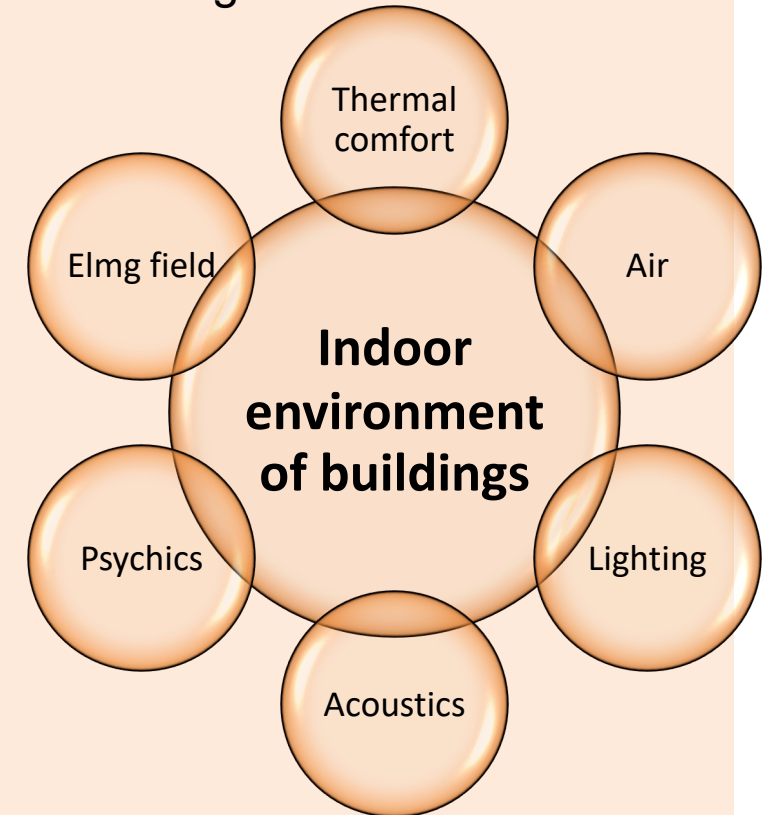
Energy performance



ENERGY AUDIT

Indoor environment of buildings

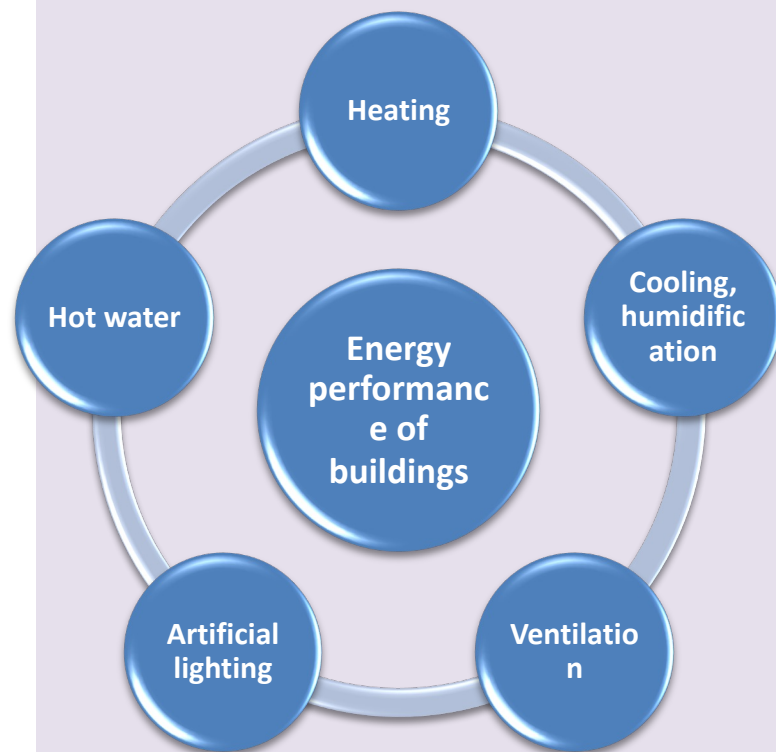
?





ENERGY PERFORMANCE AND INDOOR ENVIRONMENT ASSESSMENT

Energy performance



PRŮKAZ ENERGETICKÉ NÁROČNOSTI BUDOVY
výsledky posouzení energetické náročnosti budovy a rozdělení dodané energie

Adresa, objekt:
PSC, obec:
K.ú. a parcelní č.:
Typ budovy:
Celková energeticky užitná plocha: m²

KLASIFIKAČNÍ TŘÍDA
Primární energie z neobnovitelných zdrojů (kWh/m²·a)

Minimální úspora	A
Velká úspora	B
Úspora	C
Velká úspora	D
Minimální úspora	E
Velká úspora	F
Minimální úspora	G

ROZDĚLENÍ DODANÉ ENERGIE
Klasifikace podle SRI

Heating	22%
Cooling	10%
Hot water	10%
Artificial lighting	10%
Ventilation	10%
Other	10%

UKAZATELE ENERGETICKÉ NÁROČNOSTI

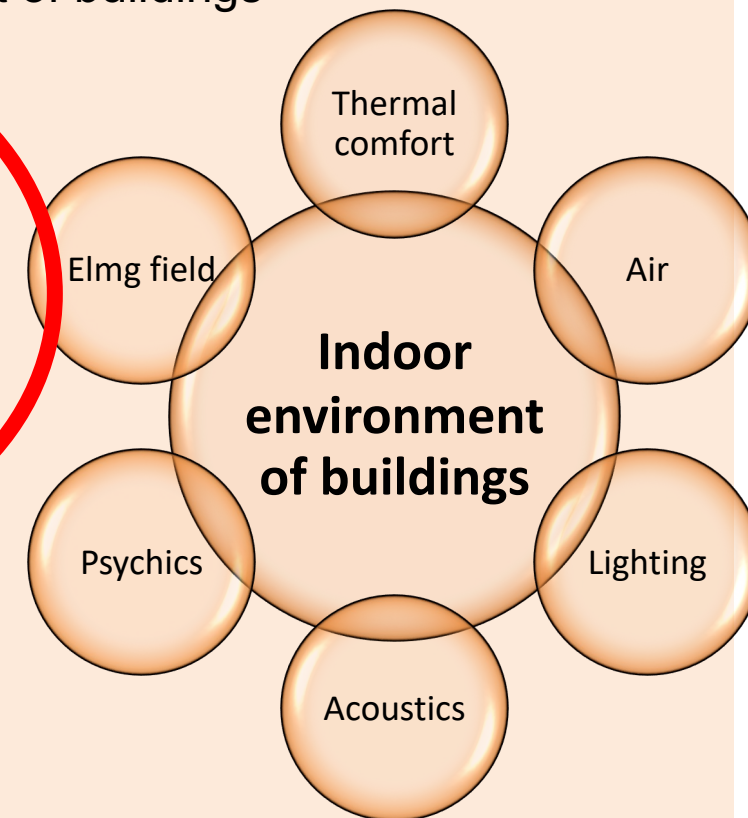
Primární energie z neobnovitelných zdrojů	XXX kWh/m ² ·a	C
Primární energie z obnovitelných zdrojů	XXX kWh/m ² ·a	B
Primární energie z obnovitelných zdrojů	XXX kWh/m ² ·a	A
Primární energie z obnovitelných zdrojů	XXX kWh/m ² ·a	A
Primární energie z obnovitelných zdrojů	XXX kWh/m ² ·a	A
Primární energie z obnovitelných zdrojů	XXX kWh/m ² ·a	A
Primární energie z obnovitelných zdrojů	XXX kWh/m ² ·a	A
Primární energie z obnovitelných zdrojů	XXX kWh/m ² ·a	A
Primární energie z obnovitelných zdrojů	XXX kWh/m ² ·a	A
Primární energie z obnovitelných zdrojů	XXX kWh/m ² ·a	A

Podle zákona pro výstavbu nové budovy po roce 2022
[ISO SPLNĚNÝ]

Energetický specialista:
Ověřitel č.:
Kontaktní:
L. a. příkaz:
Výkonný inženýr:
Podpis:

ENERGY AUDIT

Indoor environment of buildings





SMART READINESS INDICATOR (SRI)

Proposal for a DIRECTIVE OF THE EUROPEAN
PARLIAMENT COUNCIL on the energy performance
of buildings (recast)

Smart Readiness Indicator SRI

Voluntary rating scheme to evaluate the capacity of
buildings to **adapt the operation of buildings to the
needs of the occupants and the grid and to
improve the energy efficiency** and overall
performance of buildings.

Testing is underway for the Czech Republic

https://energy.ec.europa.eu/topics/energy-efficiency/energy-efficient-buildings/smart-readiness-indicator_en



Optimise energy use as a
function of (local) production



Optimise local (green) energy
storage



Automatic diagnosis and
maintenance prediction

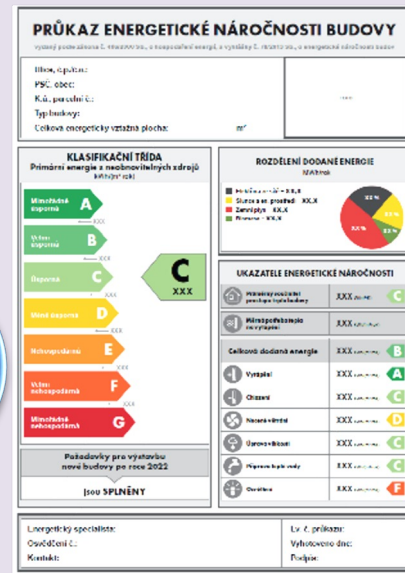
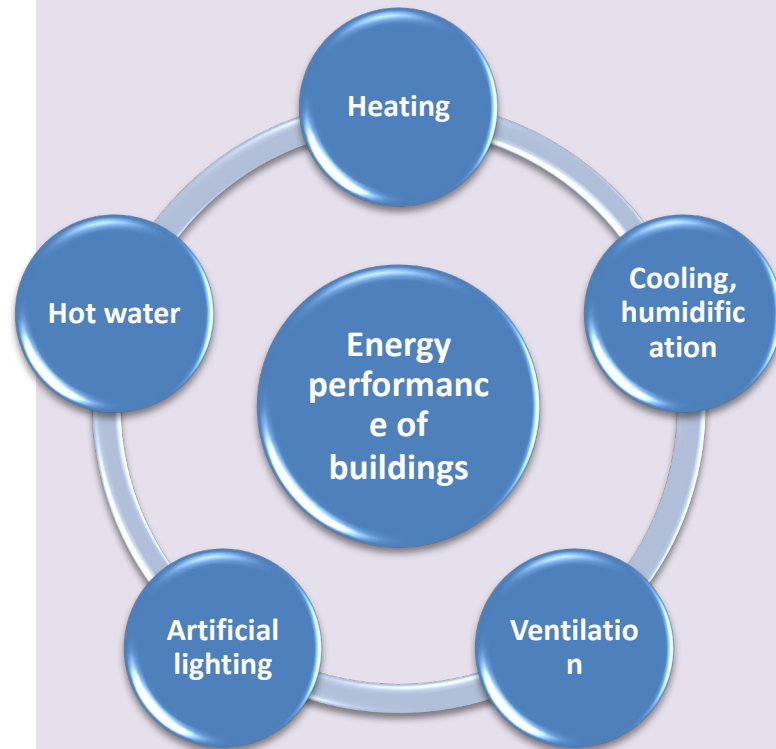


Improved comfort for
residents via automation



ENERGY PERFORMANCE AND INDOOR ENVIRONMENT ASSESSMENT

Energy performance

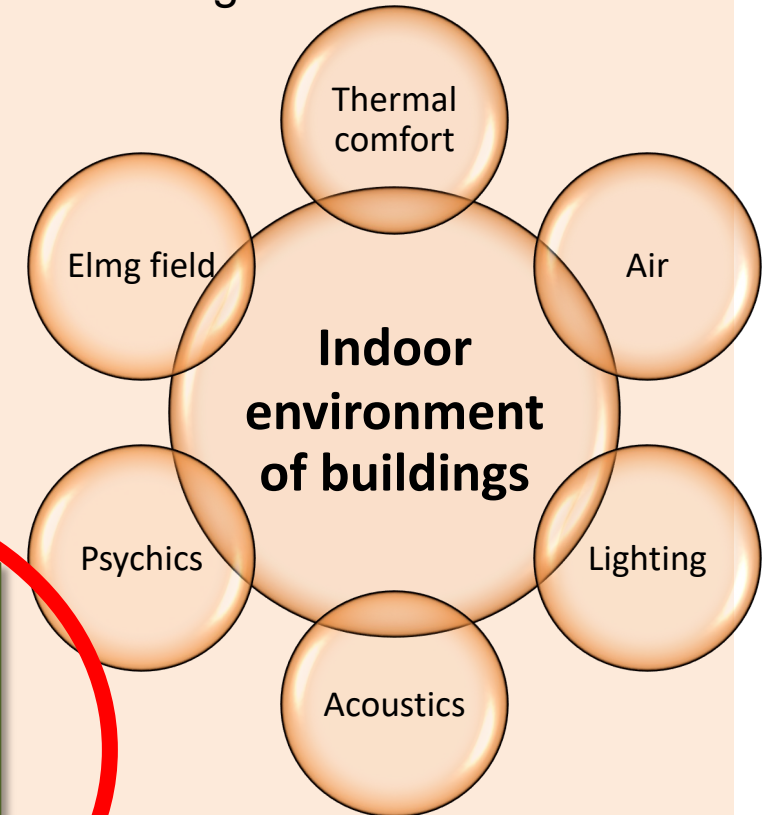


ENERGY AUDIT

Indoor environment of buildings



ENVIRONMENTAL
AUDIT





ČVUT METHODOLOGY HAIEQ



INDOOR ENVIRONMENTAL QUALITY AUDIT



LS1

FACULTY OF CIVIL
ENGINEERING
CTU IN PRAGUE

LS2

LS3

LS4

LS5

LS6

LS7

STI1

STI2

STI3

STI4

STI5

STI6

STI7

TCW1

TCW2

TCW3

TCW4

TCW5

TCW6



LS

Location of the object, external
environment and social relation

STI

Building – Construction
technical solution and interior

TCW

Thermal comfort in
the cold season

TCS1

TCS2

TCS3

TCS4

TCS5

TCS6

TCS

Thermal comfort in
the warm season

HAIEQ

LC1

LC2

LC3

LC4

LC5

LC6

LC

Light comfort

AC

Acoustical comfort

IAQ

Indoor air quality

EC

Electro-magnetic,-ionic,-
static fields, ionizing radiation

LS1

LS2

LS3

LS4

IAQ1

IAQ2

IAQ3

IAQ4

IAQ5

IAQ6

SRI WG1 23/9/22

EC1

EC2

EC3



LS1

LS2

LS3

LS4

LS5

LS6

LS7

STI1

STI2

STI3

STI4

STI5

STI6

STI7

TCW1

TCW2

TCW3

TCW4

TCW5

TCW6

LS
Location of the object, external
environment and social relation

STI
Building – Construction
technical solution and interior

TCW
Thermal comfort in the
cold season

TCS1

TCS2

TCS3

TCS4

TCS5

TCS6

TCW
Thermal comfort in
the warm season

GRADE	MEANING
N	Not evaluated - e.g. lack of data, not relevant for the zone, other reasons (the reason must be stated)
1	No comments – without a draft measure, optimal condition, suitable solution
2	Proposed measure - Comments, shortcomings
3	Serious deficiency - failure to comply with legislation, emergency state, equipment malfunction, and, in the case of comments and serious deficiencies, their specification for comment.

LC
Light comfort

LC1

LC2

LC3

LC4

LC5

LC6

AC
Acoustical comfort

LS1

LS2

LS3

LS4

IAQ
Indoor air quality

IAQ1

IAQ2

IAQ3

IAQ4

IAQ5

IAQ6

SRI WG1 23/9/22

EC
Electro-magnetic, ionic,
static fields, ionizing radiation

EC1

EC2

EC3





Example of grading method



Criterion		FM1
TCW1	Choice and operation of the heating system	2
TCW2	The ability of the heating system to adapt its operating mode in response to the users' needs with due regard to user-friendliness, maintaining a healthy indoor environment – e.g. individual temperature control, user feedback – subjective environmental quality assessment	3
TCW3	The ability of the heating system to report energy usage to the user	2
TCW4	The ability of the heating system to report the quality of the indoor environment in terms of thermal comfort in cold to the user	1
TCW5	Summary of TC assessment results for the cold season from the measurement/simulation (e.g. risk of overheating of the zone in cold due to heat gains, underheating, etc.)	2
TCW6	Summary of TC assessment results for the cold season from the questionnaire survey (if performed)	1
TCW	Average of non-zero values TCW1 to TCW6	1,833



FAKULTA STAVITELSTVÍ
ENINĚNÍ
CTU V PRAZE



LS
Location of the object, external
environment and social relation

1,28

STI1

STI2

STI3

STI4

STI5

STI6

STI7

STI
Building – Construction
technical solution and interior

1,42

TCW1

TCW2

TCW3

TCW4

TCW5

TCW6

TCW
Thermal comfort in
the cold season

1,83

TCS1

TCS2

TCS3

TCS4

TCS5

TCS6

TCS
Thermal comfort in
the warm season

1,2

Evaluation domain			Evaluation	Potential for improvement
	LS	Locality and place of the object in terms of the external environment and social	1,280	0%
	STI	Building - construction and technical solution and interior of the evaluated zone	1,420	21%
	TCW	Thermal comfort for the cold period	1,830 !	42%
	TCS	Thermal comfort for the warm period	1,200	10%
	IAQ	Indoor air quality	2,000 !	50%
	LC	Light comfort	1,500	25%
	AC	Acoustic comfort	1,500	25%
	EC	Electro-magnetic, -ionic,- static fields, ionizing radiation	1,000	0%

LC1

LC2

LC3

LC4

LC5

LC6

LC
Light comfort

1,5

AC
Acoustical comfort

LS1

LS2

LS3

LS4

IAQ1

IAQ2

IAQ3

IAQ4

IAQ5

IAQ6

IAQ
Indoor air quality

2,0

EC
Electro-magnetic,-ionic,- static
fields, ionizing radiation

EC1

EC2

EC3

1,0

SRI WG1 23/9/22



Test case 1

Building 1 - family house Všenory

- Central Bohemia Region
- – Traditional house from the
- 19th century
- – Stone construction +
- extension made of aerated concrete
- – Reconstruction between 2002 and 2015
- – Electric heating (storage stove), charging at times of
- low tariff
- – Lighting on switches
- – Preparing DHW in an electric boiler



Zdroj: www.mapy.cz

Test case 2

- Building 2 - apartment house Prague-Suchdol
 - Prefabricated apartment building
 - Construction in the 1980s – Reconstruction after 2000 – Gas boiler for heating and hot water
 - Hot water heating system with heating elements
 - Equithermal regulation
 - Hot water preparation -storage tanks with heating schedule
 - Regulation with error detection
 - Lighting on switches



Zdroj: www.mapy.cz

Test case 3

- Building 3 - Building A of the Faculty of Civil Engineering of the CTU in Prague

- 15-storey reinforced concrete skeleton
- Construction in the 1970s – Reconstruction after 2010 – CZT as a heat source for
- heating and DHW preparation – Hot water heating system
- Equithermal regulation
- Part of the building with
- forced ventilation
- SW side with motorized exterior blinds
- Part of the building lighting according to the presence of people



Zdroj: cs.wikipedia.org

Test case 4

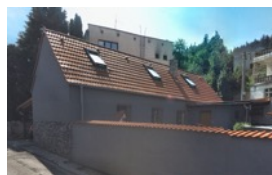
- Building 4 - Family house Rýmařov

- Moravian-Silesian Region
- Low-energy wooden building
- Fireplace for wood with heat exchanger + electric boiler
- Hot water heating system
- DHW is prepared in a tank
- connected to the heating system + circuit with solar collectors + electric heating cartridge
- All energy flows are measured, data is recorded
- MaR system with central reporting



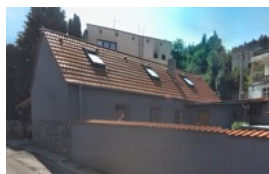
Zdroj: Kabele, Urban: Grant no: te02000077 Smart Regions – buildings and settlements information modelling, technology and infrastructure for sustainable development

Případová studie – shrnutí vstupů

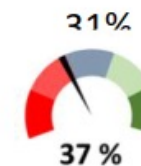
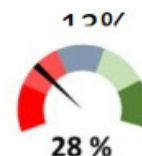
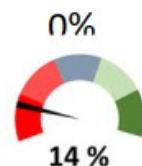


	Building	BUILDING 1	BUILDING 2	BUILDING 3	BUILDING 4
BASIC INFORMATION	Type of building	Residential	Residential	Other	Residential
	Use of the building	Family house	Residential house	Educational	Family house
	Floor area (m ²)	<200	>2,000	>25,000	<200
	Year of construction	<1960	1960-1990	1960-1990	>2010
EXHIBIT	Heat sharing	Non-thermal	Hot water (bodies)	Hot water (bodies)	Hot water (bodies)
	Source type	Decentral	Central in the building	CZT	Decentral
	Heat accumulation	Yes	No	No	No
	Multiple heat sources	No	No	No	Yes
HOT WATER PREPARATION	Source :	Electric	Non-Electric	Non-Electric	Combination
	Accumulation	Yes	Yes	Yes	Yes
	Solar collectors	No	No	No	Yes
FORCED WINDING	Type of system	No	No	Controlled (10% of the building)	From
DYNAMIC ENVELOPE	Movable shielding	No	No	Yes	No

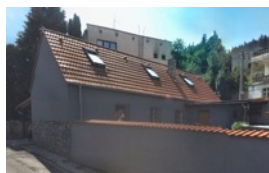
Celkové SRI, jednotlivá kritéria



BUILDING	BUILDING 1	BUILDING 2	BUILDING 3	BUILDING 4
OVERALL INDICATOR	14%	28%	35%	37%
ENERGY SAVINGS	17%	31%	43%	52%
FLEXIBILITY TO THE DISTRIBUTION NETWORK AND ENERGY STORAGE	31%	35%	36%	12%
COMFORT OF USE	9%	34%	39%	51%
ENVIRONMENTAL QUALITY	5%	29%	30%	39%
HEALTH PROTECTION	0%	100%	31%	100%
OPERATION, MAINTENANCE AND FAULT PREDICTION	0%	12%	25%	32%
INFORMATION ABOUT THE BUILDING VIS-À-VIS USERS	0%	100%	100%	31%



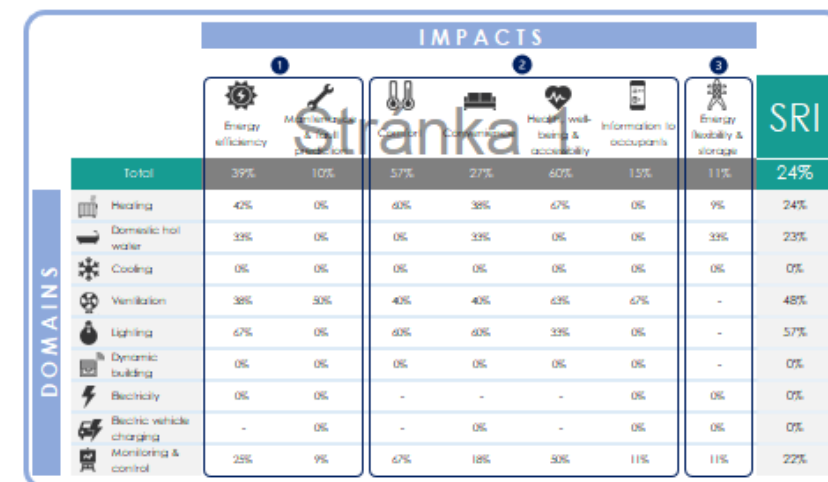
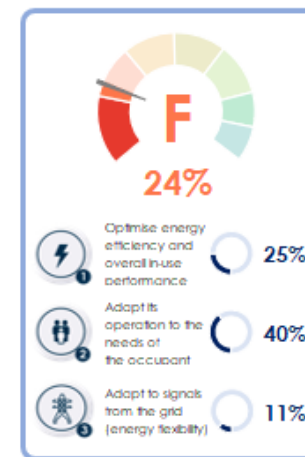
Hodnocení jednotlivých oblastí



BUILDING	BUILDING 1	BUILDING 2	BUILDING 3	BUILDING 4
HEATING SYSTEM	26%	36%	55%	39%
HOT WATER PREPARATION	29%	12%	34%	57%
COOLING SYSTEM	-	-	-	-
DIRECTED WINDING	-	-	4%	-
LIGHTING	0%	0%	10%	0%
DYNAMIC BUILDING ENVELOPE	-	-	38%	-
ELECTRICITY: RENEWABLE ENERGY AND STORAGE	-	-	-	-
CHARGING ELECTRIC CARS	-	-	-	-
MEASUREMENT AND CONTROL	0%	25%	27%	32%



- S1 Refurbished primary school North Bohemia






Objects in progress

- 2 family houses
- Experimental high-tech object Prvok
- Office Building of CVUT
- Residential project Branik
- Residential project Karlin

Thank you for your attention

Karel Kabele



Experience with the Smart Readiness Indicator in DK

- Allan Hansen, Danish Energy
Agency

Test phase approach in DK

- What is the focus of the test phase?
 - The test has three focus areas: specific SRI calculations on Danish buildings, input and recommendations for the method and involvement of stakeholders through workshops.
- Who is organizing the test phase?
 - The DEA has contracted with a research institute.
- What kind of test phase?
 - Research project
- What is the time frame of the test phase?
 - Start Dec. 2021 and finish mid-2022.

Scope of tests

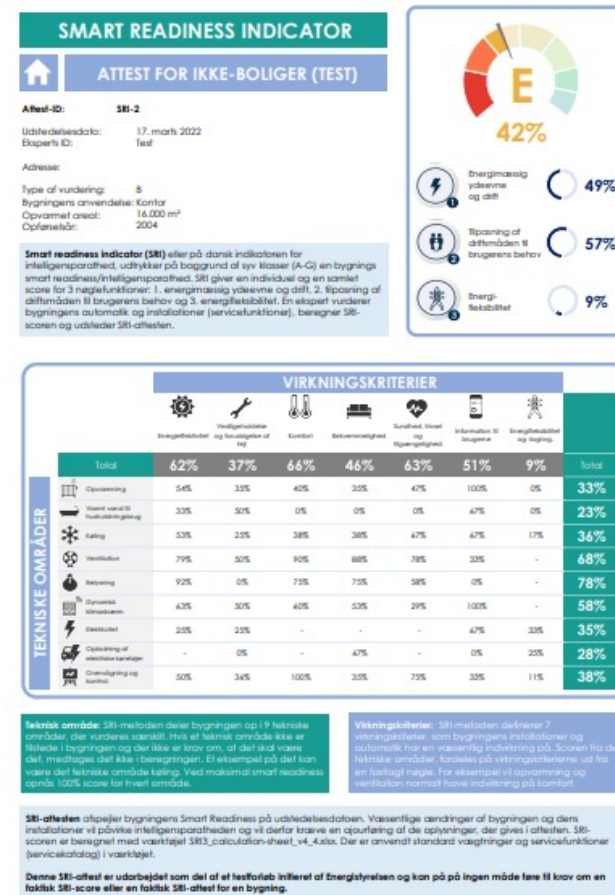
- SRI calculation, based on the developed method, in practice of a number of buildings.
- Distribution of buildings (Priority to reach different buildings)

Year of construction	Heat supply	Residential	Apartment buildings	Offices	Education and institutions	shopping center
<1960	Heatpump	5	3	4	3	1
1960-1990						
1990-2010	Other					
>2010 (=New)	Heatpump	2	2	3	2	
	Other	2				
Total		9	5	7	5	1
		27				

Communication of the project

Efforts for commitment:

- Ongoing results and material are communicated via dedicated website <http://sri.teknologisk.dk/> (during the project).
- Help from the SRI support team to develop SRI certificate (as a supplement to the excel spreadsheet), which has been valuable in communication with building owners and others.
- Workshop (midway through the project) as part of the project specifications to involve stakeholders.

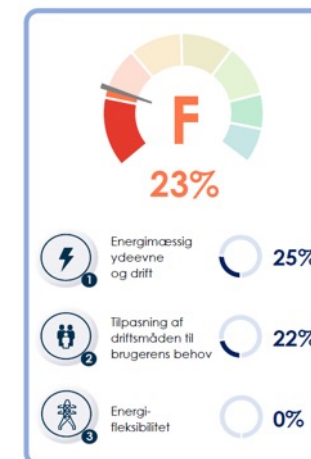


http://sri.teknologisk.dk/media/1027/sri_case_kontorer.pdf

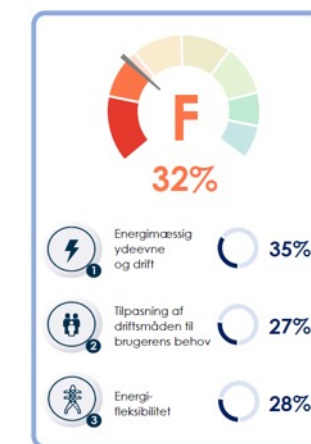
Initial findings

Results:

- For all building types, it has been shown that the SRI score is roughly the same regardless of whether it is an older or a newer building.
- All the buildings that have been investigated get a rather poor score (are in the lowest classes: 35-50 % (E), 20-35 % (F) and < 20 % (G)), which in many cases is in contrasts with the score that appears on the EPC - it seems incomprehensible to the building owners.
- It has been shown that it takes a lot to increase the SRI score. The buildings generally have difficulty achieving points on the key functionalities of user needs and energy flexibility.



Older single-family house



Newly built single-family house

Initial findings

Some considerations (expressed by our project partner):

- When registering the building, doubts may arise about the difference between technical equipment in the building, and the building owner's ability to purchase "intelligent" services, eg hardware and software (cloud-based) that is continually being developed and updated.
- In interviews with building owners, there is a wish for recommendations to improve the SRI score, but it is considered that they may require increased competencies (compared to the required level of registration).
- The SRI scheme provides a different kind of information about buildings than other known schemes. It is particularly the detailed overview of the management and control principles that appear in the service catalogue that are new.



Thank you

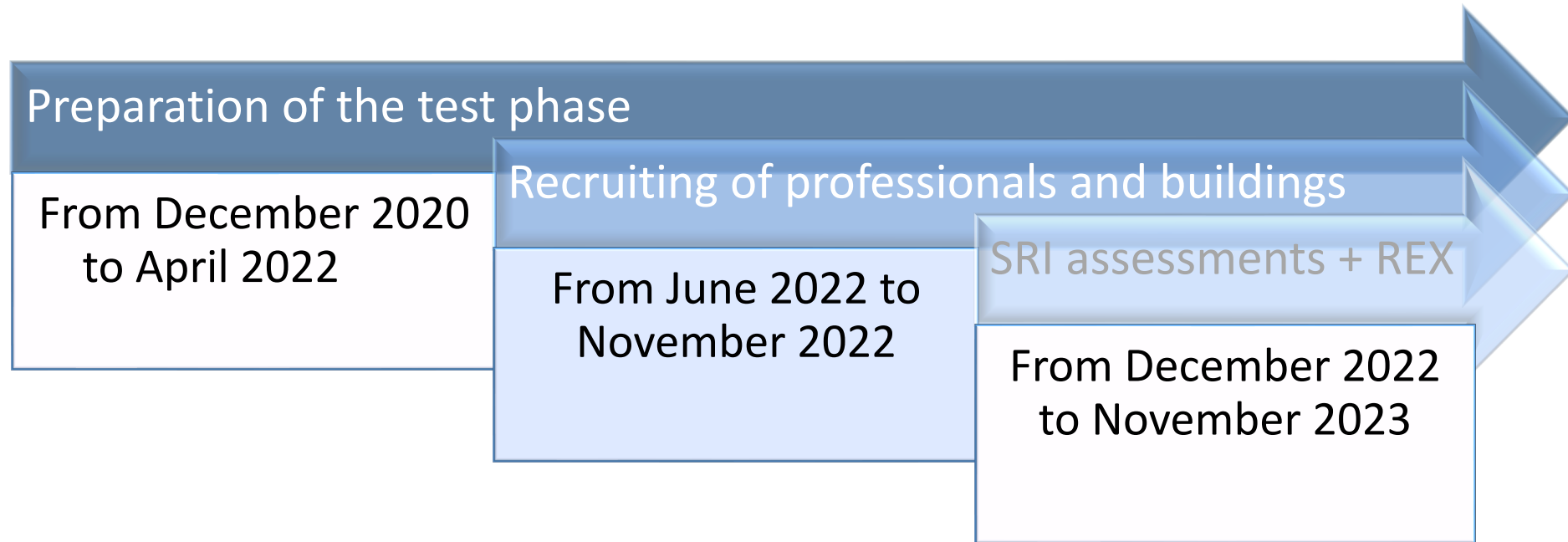
- Allan Hansen, ahe@ens.dk

FRANCE

Ministry for Housing (A. Walgraffe)

Cerema (N. Cabassud)

Implementation of the SRI test phase



Implementation of the SRI test phase

French approach

- INVOLVING AUDIT PROFESSIONALS
- INVOLVING BUILDING OWNERS
- MAKE A FEW ADJUSTMENTS ON THE CALCULATION METHOD

Implementation of the SRI test phase

- INVOLVING ENERGY AUDIT PROFESSIONALS

⇒ All profiles mentioned in the implementing act are eligible for the test phase. The prerequisite is to justify basic qualifications such as those described in the article 3 of the IA.

⇒ Specific training in French for the calculation method and guide for the use of the calculation tool;

⇒ The professionals make an application on line, fill in a template and join the supporting documents. Till 1st November 2022.

Implementation of the SRI test phase

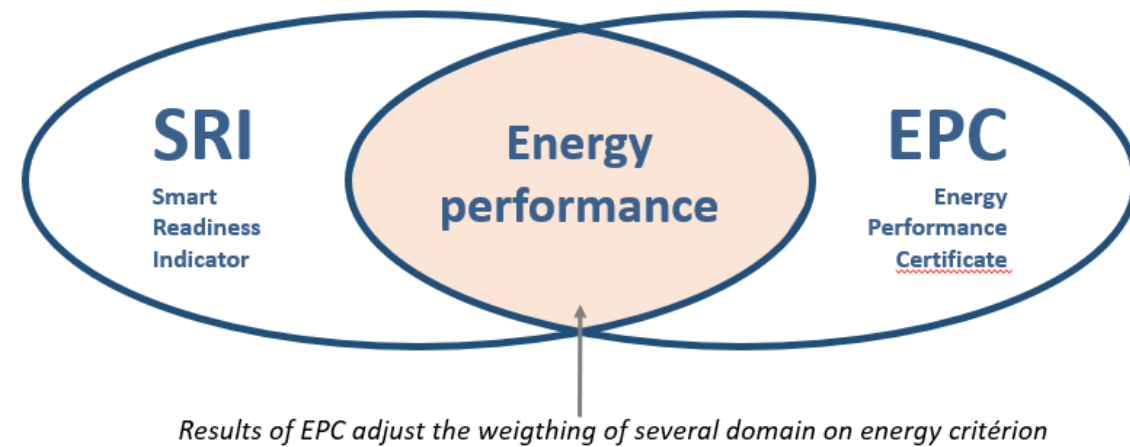
- INVOLVING BUILDING OWNERS

⇒ Get a large sample of building types ;

⇒ Discussion with a few owners, interested in assessing their buildings.
We continue our communication round;

Implementation of the SRI test phase

- MAKE A FEW ADJUSTMENTS ON THE CALCULATION METHOD



⇒ Synergy with the French EPC, 2 aspects:

- on Residential buildings only: use EPC results to adapt the SRI methodologies (adjust a part of weighting matrix to take into account « real » context of the building)
- on all buildings: rationalization of time and costs by favoring the realization of the 2 evaluations at the same time (same assessor, energy criterion in common and one travel to the site for 2 assessments)

Implementation of the SRI test phase

- QUESTIONING

⇒ Interest or involving of the economic operators in the current context of national and European renovation massification (speeding up)?

⇒ Effective cost of a complete SRI assessment, sustainability for the economic operators or for the owners?

Implementation of the SRI test phase

- RECRUITING PHASE

⇒ Launching of the call of interest, extended to the 1st November;

⇒ Increasing the information and means of communication.

Currently: assessors recruitment

Number	Initial qualification	Action area	Training completed?	Training score (survey)	Prospecting building
1	Diagnosticteur PEB	Auvergne-Rhône-Alpes	Oui	≥ 15/20	Yes
2	Diagnosticteur PEB	Auvergne-Rhône-Alpes	Oui	≥ 15/20	Yes
3	Diagnosticteur PEB	Auvergne-Rhône-Alpes	Oui	≥ 15/20	Yes
4	Diagnosticteur PEB	France entière	Oui	≥ 15/20	No
5	Diagnosticteur PEB	France entière	Oui	≥ 15/20	No
6	<i>Auditeur Energétique</i>	<i>Auvergne-Rhône-Alpes</i>	<i>In progress</i>	<i>In progress</i>	Yes
7	<i>Diagnosticteur PEB</i>	<i>Bourgogne-Franche-Comté</i>	<i>In progress</i>	<i>In progress</i>	Yes
8	<i>Inspecteurs "systemes CVC" certifiés</i>	<i>Bretagne</i>	<i>In progress</i>	<i>In progress</i>	Yes



SRI-test phase in Finland

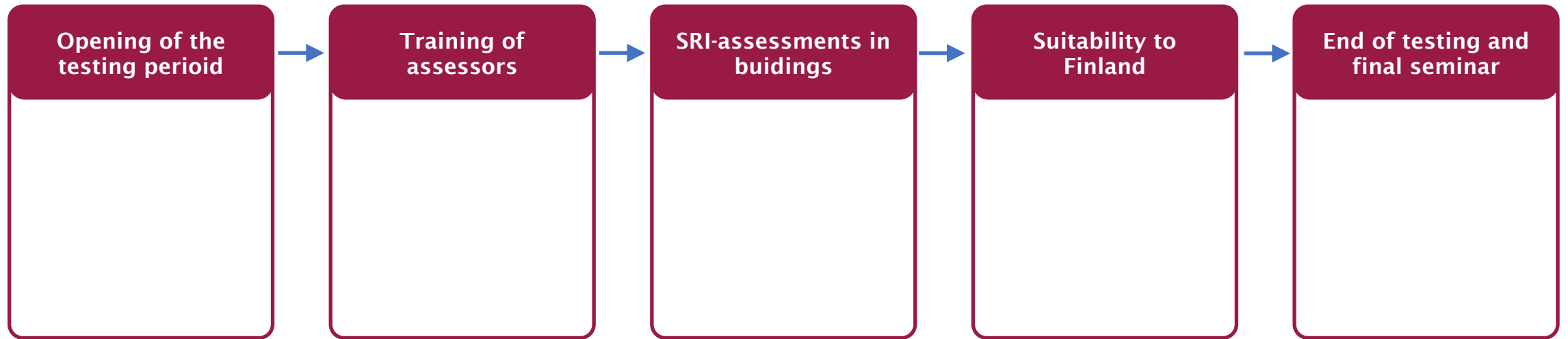
Jaakko Ketomäki, Motiva Ltd



SRI-testing in Finland is...

- ...funded by Finnish Ministry of the Environment
- **Pekka Kalliomäki**, Senior technical adviser
- ...carried by motiva Ltd
- **Jaakko Ketomäki** (project manager) + colleagues

Plan for SRI-testing in Finland

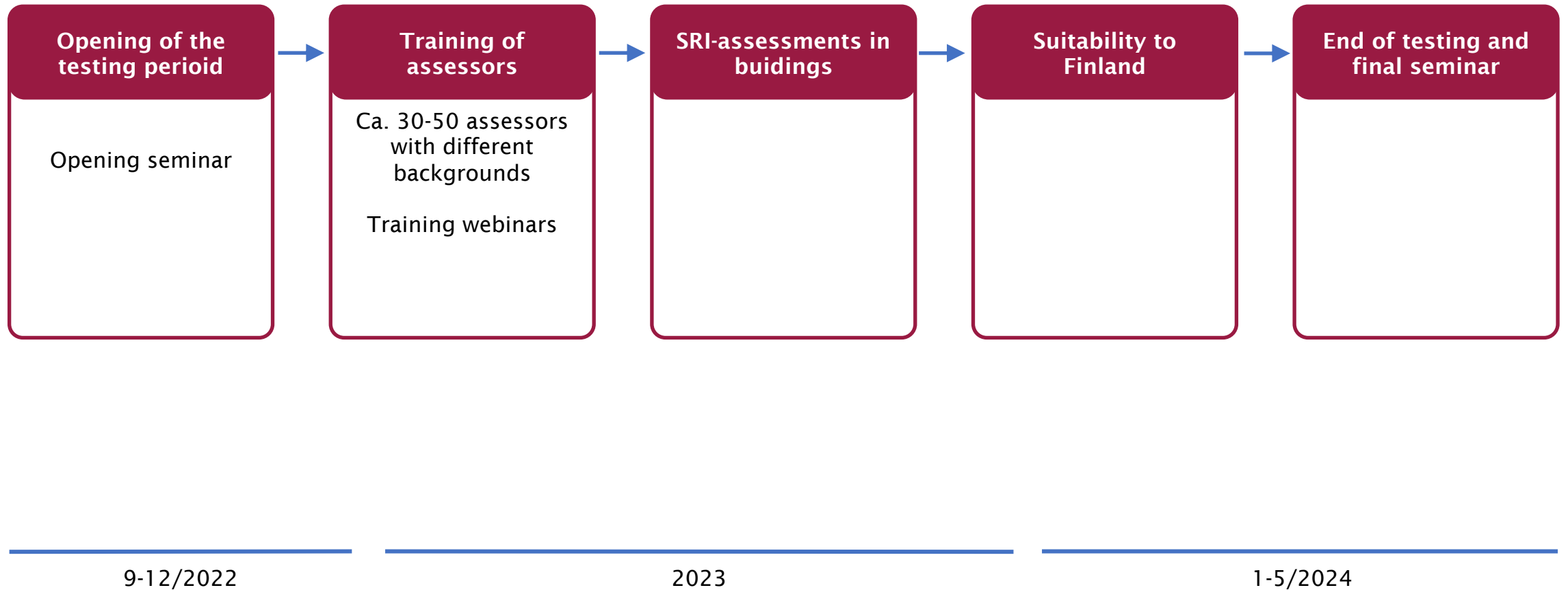


9-12/2022

2023

1-5/2024

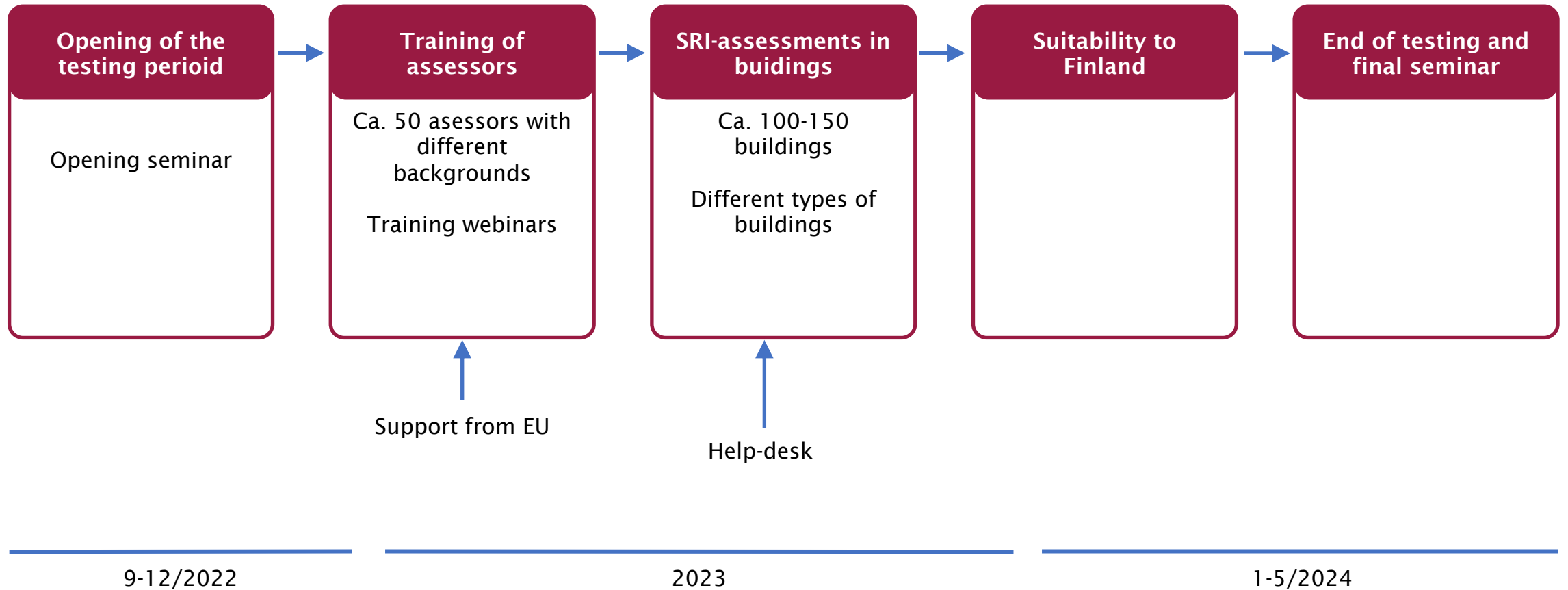
Plan for SRI-testing in Finland



Training

- 1,5 day webinar and 0,5 day workshop after first assessments
- Goal is 30...50 assessors
 - Authors of EPC's, professional at area of building services etc
 - Using e.g. Motiva's networks
- Well planned and targeted communication!
- Support from EU

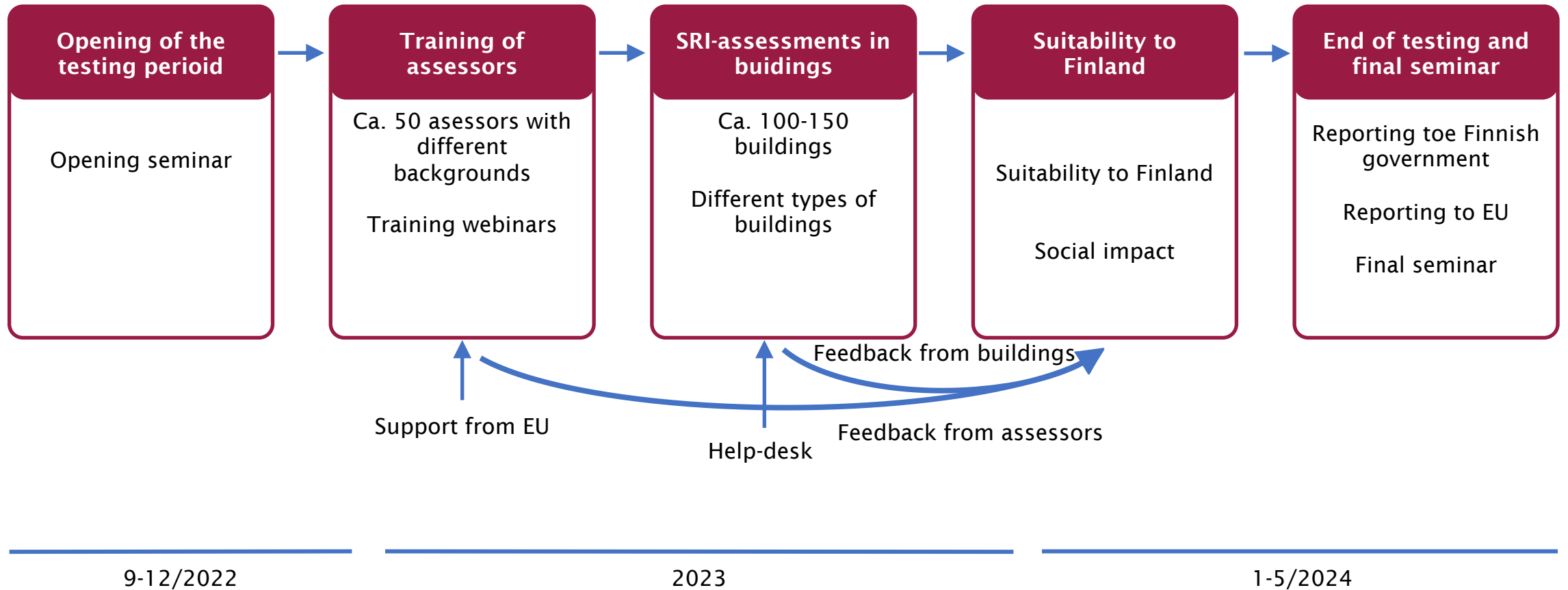
Plan for SRI-testing in Finland



SRI-assessments

- 100-150 buildings
- Different building types
- Result of pre-study of SRI-testing was, that building owners will have "almost a pleasure" to give their building under evaluation
- Three evaluation are included to the assessor training.
 - Risk is, that work load is too large
 - Interviews in pre-study indicated, that training + three assessment would be acceptable

Plan for SRI-testing in Finland





Thank you!



@MotivaOy



www.motiva.fi

Discussion about the disclosure of WG1 outcomes to the SRI platform



Disclosure of WG1 outcomes to the SRI platform

WG1 outcomes

Experience
feedback from
the test
phases

Other
topics
discussed
among MS



4 levels of disclosure

EC & SRI
support team

Member States

Other Working Groups
of the SRI platform

SRI platform plenary (public)*

**Next plenary meeting: 23 November*

Disclosure of WG1 outcomes to the SRI platform

4 levels of disclosure

According to the terms and conditions of the SRI assessment package: statistical information on the testing phase: number of assessments carried out, number of assessors, type of buildings, location of the buildings, etc.
→ **This will be collected soon by the SRI support team**

The purpose of the WG

WG2 Maintenance & potential extension of the SRI calculation methodology and **WG3** SRI value proposition and supporting measures are very interested in WG1 outcomes

Stakeholders interested in the SRI are very interested by the outcomes of Member States' test phase

EC & SRI support team

Member States

Other Working Groups of the SRI platform

SRI platform plenary (public)*

**Next plenary meeting: 23 November*

Identification of topics for discussion for the next WG1 meeting





Next topics for discussion

- Next WG1 meeting proposed in January, after the kick-off of the LIFE projects
- Candidate topics for discussion:
 -
 -
 -
 -
 -
 -
 -

Thanks for your attention!

Contact: support@smartreadinessindicator.eu

Web: <https://ec.europa.eu/smart-readiness-indicator>

#SmartReadinessIndicator

WG1 Secretariat via Sophie Dourlens-Quaranta at sophie.dourlens@r2msolution.com

