

Implementing The Amended EPBD

EuroACE Webinar 1: Long-Term Renovation Strategies

12h00 – 13h15
8th November 2018



In partnership with the Build Up Platform

Introduction and Overview

(Chapter 1)

A Guide to the Implementation of
The Amended EPBD

Céline Carre

President of EuroACE



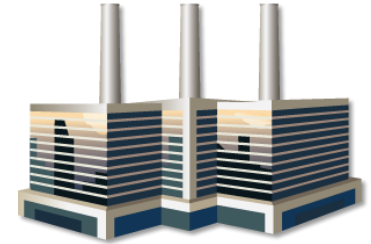
EurACE



THE EUROPEAN ALLIANCE OF COMPANIES
FOR ENERGY EFFICIENCY IN BUILDINGS



300,000



> 1,400

Objectives of EuroACE

To Advocate for Ambitious EU Policies for Energy Efficiency in Buildings



To Bring Benefits to All Through Improved Performance of Buildings



To Increase the Market for the Products, Equipment and Services Offered by Our Member Companies



EU Regulatory Framework

Buildings Directive

Amended Directive Came Into Force in July 2018

Vision 2050; Long-term Renovation Strategies; Financing linked to improvement in performance; New tools: BRP and SRI

Energy Efficiency Directive

Amendments Agreed, not yet Formally Adopted
New 2030 Target 32.5%; Strengthened Article 7

Energy Union Framework

All five dimensions relevant to Energy Efficiency
Internal market; Energy security; Energy Efficiency; Decarbonisation of energy; Research and Innovation



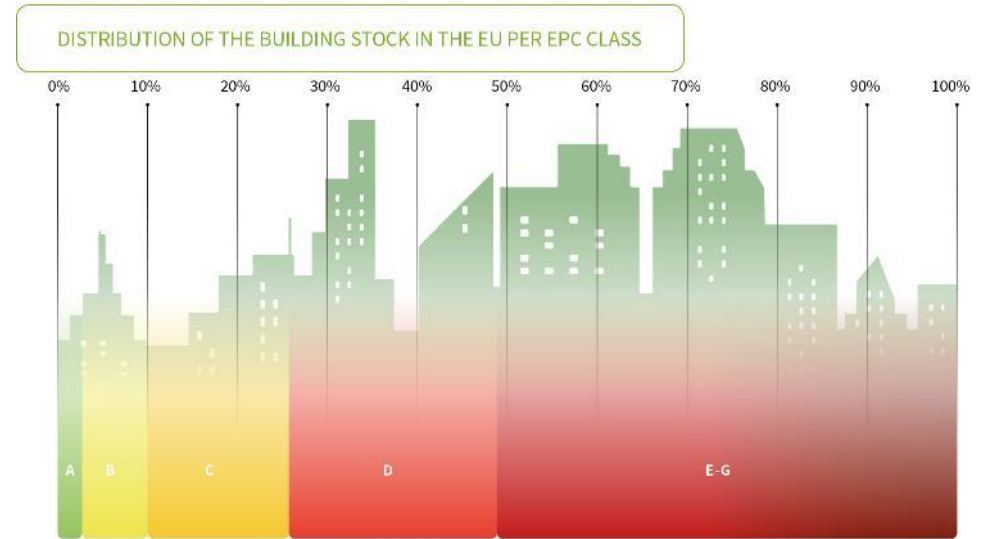
Why a EuroACE Guide?

Set Out Our Views:

- Followed the EPBD since its first steps
- Share our knowledge and experience
- Provide high-level recommendations (12 in all)

Inform and Motivate:

- Member State officials
- Other public stakeholders
- Private actors and influencers



Source: BPIE Factsheet entitled 97% of buildings in the EU need to be upgraded

What Approach Did We Take?

Late 2017:

Identified the key aspects to cover

Jan-May 2018:

Prepared a draft text in consultation with members

May-June 2018:

Invited expert reviewers to comment

June 2018:

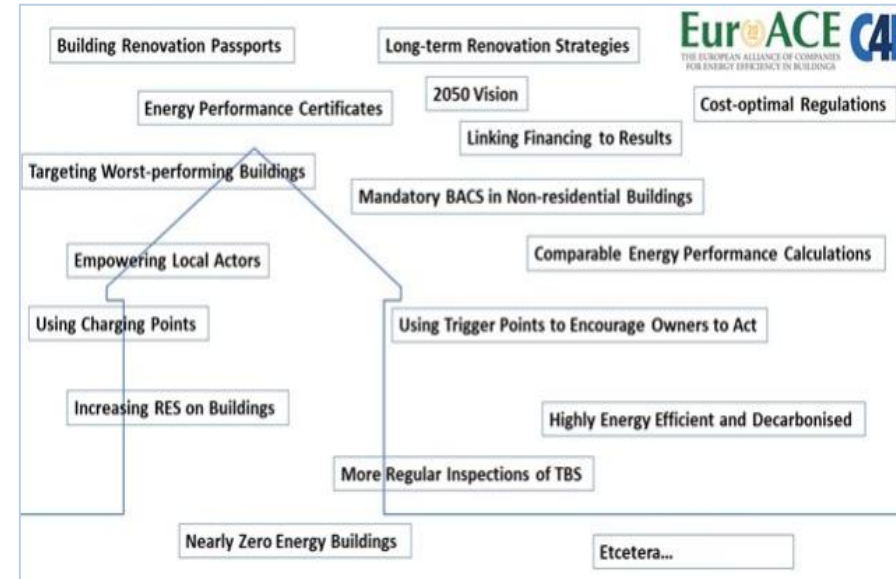
Launched public consultation in Warsaw

October 2018:

Finalised text from inputs

8th November:

Launch webinar!



Long-Term Renovation Strategies

(Chapter 2)

The Central Tool for Member States To Achieve Impact

Adrian Joyce

Secretary General of EuroACE



LTRS – What Has Changed?

Main Elements:

Each MS must prepare a LTSRS in consultation with stakeholders

LTSRS must lead to transformation of national building stock to nZEB level by 2050

LTSRS must:

- Include milestones and measurable performance indicators

- Target worst-performing buildings

- Include actions on all public buildings

- Promote smart technologies



LTRS – What Has Changed?

Main Elements (contd):

MS must undertake structured consultation of stakeholders

MS have options to use *trigger points* and/or to introduce *building renovation passport* schemes

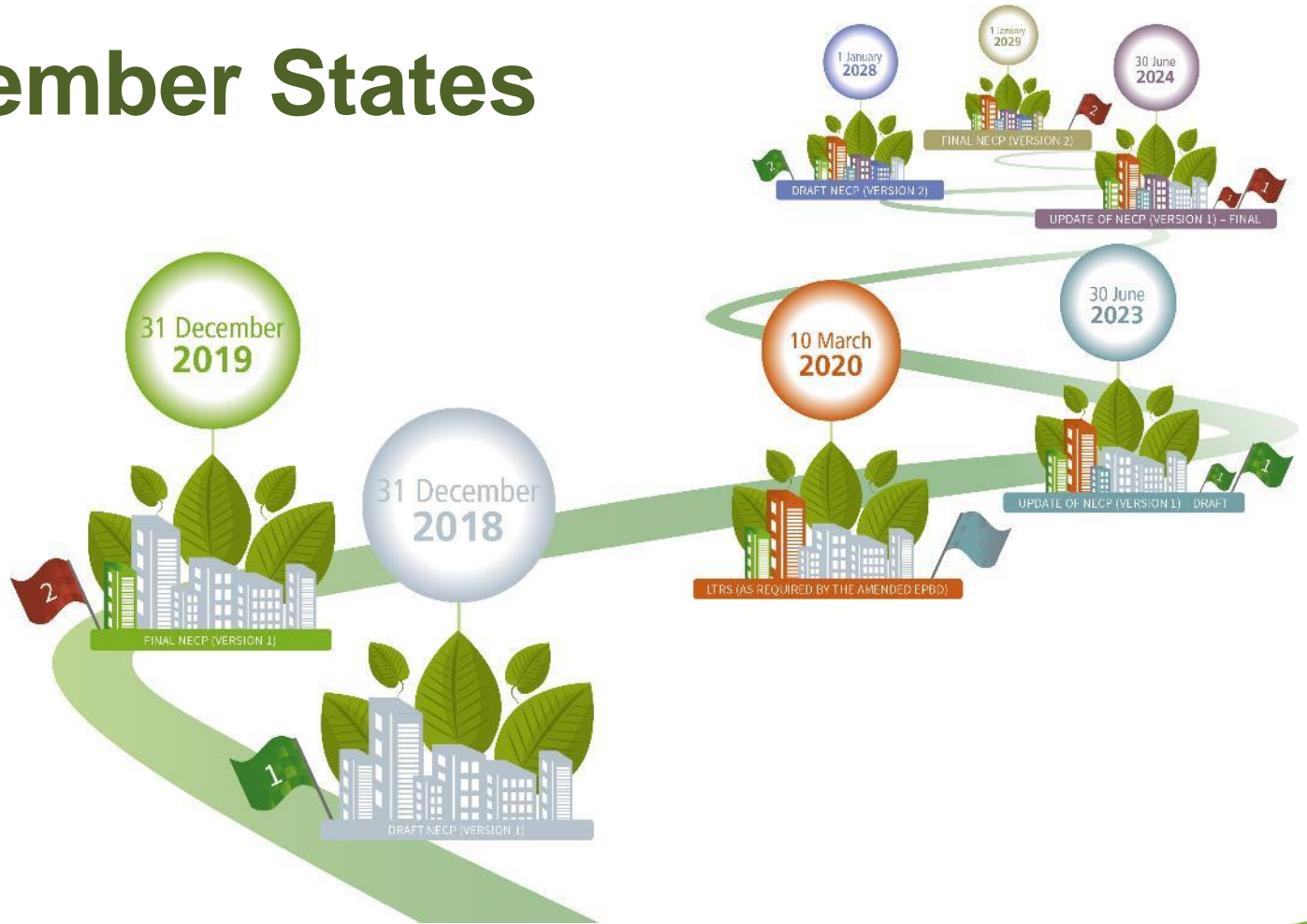
MS must demonstrate how LTRS contributes to overall EE target set in the Energy Efficiency Directive



Timeline for Member States

The LTRS will form a part of the National Energy and Climate Plans that the MS are required to prepare under the **Governance Regulation for the Energy Union**.

By derogation, the first full LTRS must be submitted by the 10th March 2020



Why is this Important?

Requirements on MS Increased

As compared to the earlier requirements under the Energy Efficiency Directive (Article 4)

The backbone of MS efforts to transform their building stock = real mobilisation for energy renovation across the EU

MUST engage with stakeholders in preparation and implementation phases of LTRS

MUST establish milestones and measurable progress indicators



Stakeholder Engagement – Impact on LTRS

Opportunity to correct earlier weaknesses

Deliver to Governments a 360° perspective

Greater upfront understanding of challenges to be addressed and sharing of lessons learnt

Enhanced preparedness and readiness for implementation in the market

Permits tailored actions for certain building typologies



Benefits of Ambitious Implementation

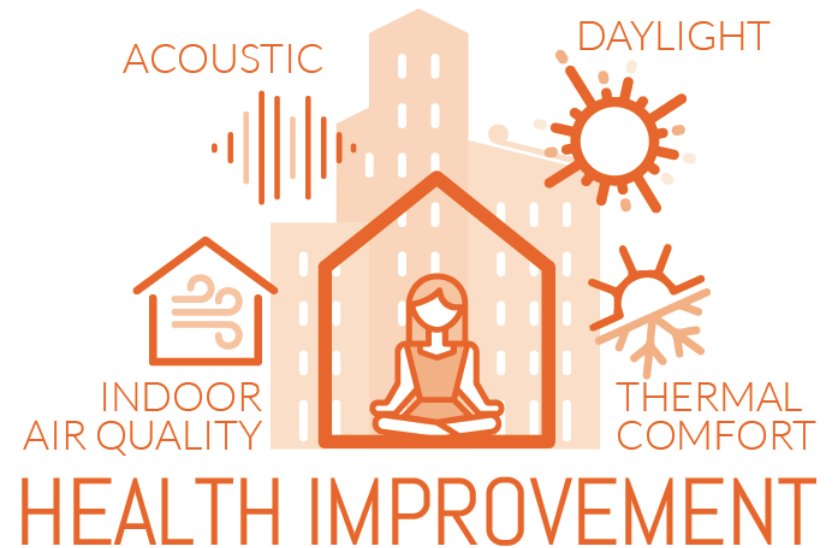
Comfort, health, well-being and productivity of occupants increased

Cost of energy bills reduced for all

Healthcare costs for governments fall

Economic activity boosted – estimated at 0.7% growth of GDP per year

Significant contribution to long-term energy and climate goals



Ensuring LTRS Drive Energy Renovation

MS prepare robust and effective strategies with associated action plans

Ensure purposefully structured engagement of all stakeholders

Communicate constantly

Gather data on implementation and learn from experience to improve future revisions of LTRS



Thank You for Your Attention!

EuroACE

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1040 Brussels

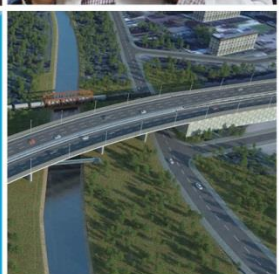
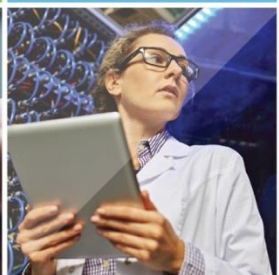
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European
Commission



Long Term Renovation Strategies

Nora Bednarski
European Commission- DG ENERGY, Energy Efficiency unit
8 November 2018



Focus on long-term renovation strategies

A MAJOR INSTRUMENT FOR RENOVATION IN THE EU



1. LTRS – a comprehensive strategy
2. Links with other EPBD Articles
3. Political Agreement on the Governance Regulation
4. Commission Guidance Documents
5. Stakeholders

Clean Energy for All Europeans Package (30/11/2016)

THE RIGHT REGULATORY FRAMEWORK FOR POST – 2020



Energy Union Governance



Energy Efficiency (Energy Efficiency Directive, European Performance of Buildings Directive)



Renewables (Revised Renewable Energy Directive)



New Electricity Market Design (including Risk Preparedness)



Energy prices and costs report



Energy Efficiency Directive

- Binding 30% energy efficiency target for 2030;



Ecodesign Working Plan 2016-2019

- List of new product groups;
- Contribution to circular economy objectives;



Energy Performance of Buildings

- Supportive of renovation;
- Smarter – ICT, smart buildings;
- Simpler;

Focus on long-term renovation strategies

A MAJOR INSTRUMENT FOR RENOVATION IN THE EU



Long Term Renovation Strategies (LTRS) – Article 2a

Comprehensive **strategies** aiming at a

- A highly efficient and **decarbonised building stock** by **2050**
- **Cost-effective** transformation of existing buildings into **nearly zero-energy buildings**.

Access to mechanisms which mobilise investment

Roadmap with measures, measurable progress indicators and indicative milestones for **2030, 2040** and **2050** and **contribution to EU targets**.

Public consultation prior to submission and during implementation

Focus on long-term renovation strategies

A MAJOR INSTRUMENT FOR RENOVATION IN THE EU



Content of LTRS enriched with **additional elements**

- ✓ Looking at **trigger points** in the life-cycle of the building when identifying **cost-effective** approaches to renovation;
- ✓ Supporting targeted cost-effective measures, e.g. by introducing an optional scheme for **building renovation passports**;
- ✓ Targeting the **worst performing segments** of the national building stock, split-incentive dilemmas, and market failures, and contributing to the alleviation of **energy poverty**;
- ✓ Promoting **smart technologies** and **skills and education** in the construction and energy efficiency sectors;
- ✓ Estimate of expected energy **savings** and **wider benefits**, e.g. related to **health, safety and air quality**.

Focus on long-term renovation strategies

A MAJOR INSTRUMENT FOR RENOVATION IN THE EU



MS to facilitate access to mechanisms to support mobilisation of investment

- a) aggregation of projects,
- b) reduction of the perceived risk
- c) use of public funding
- d) guiding investments into energy efficient public building stock
- e) advisory tools

Smart Finance for Smart Building Initiative aims at unlocking investments and private financing through:



Aggregation of projects



De-risking



Effective use of public funding

Focus on long-term renovation strategies

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Links with other Articles of the EPBD

- ✓ Article 10 – linking financial incentives & energy efficiency improvements

- ✓ Article 20 – information to building owners/tenants
 - ✓ Cost-effective measures to improve energy performance of the building
 - ✓ Financial instruments

- ✓ Article 19a – feasibility study on optional building renovation passport

Focus on long-term renovation strategies

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EPBD

Long Term Renovation Strategies (LTRS)

- ✓ LTRS part of final **Integrated national energy and climate plans**
- ✓ **first Long Term Renovation Strategy**, to be submitted by **10 March 2020**, transposition deadline for Directive (EU) 2018/844 (the amending directive).

Political Agreement on the Governance Regulation

Integrated national energy and climate plans (NECP)

- ✓ Draft NECP – **31 Dec. 2018**
- ✓ Final NECP – **31 Dec. 2019**
- ✓ **Draft and Final Integrated national energy and climate plans** include:
 - Indicative **milestones**
 - Domestically established measurable progress **indicators**
 - Evidence-based estimate of expected energy **savings** and **wider benefits**
 - Contributions to Union's energy efficiency **targets**.

Focus on long-term renovation strategies

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Commission Guidance Documents

- ✓ Tool to assist MS in transposition (deadline of 10 March 2020)
- ✓ Implementation
- ✓ Not legally binding for Member States

Focus on long-term renovation strategies

A MAJOR INSTRUMENT FOR RENOVATION IN THE EU



Role for Stakeholders

- ✓ Essential partners at national level
- ✓ Valuable technical knowledge and expertise
- ✓ Actively participate in formulation (public consultation, guidance, ...)
- ✓ Engage and contribute to implementation



ENERGY UNION

EnergyUnion #EnergyUnion #EnergyUnion

European Commission
Commission européenne

Commission européenne
European Commission

Thank you!

Buildings & Finance

Energy Efficiency Unit

DG ENER, European Commission

<https://ec.europa.eu/energy/en/news/commission-proposes-new-rules-consumer-centred-clean-energy-transition>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 649727.



Co-Creating Europe's National Renovation Strategies

IMAGINE...

A built environment that enables a high quality of life for all



You can't throw
birds in a straight
line...

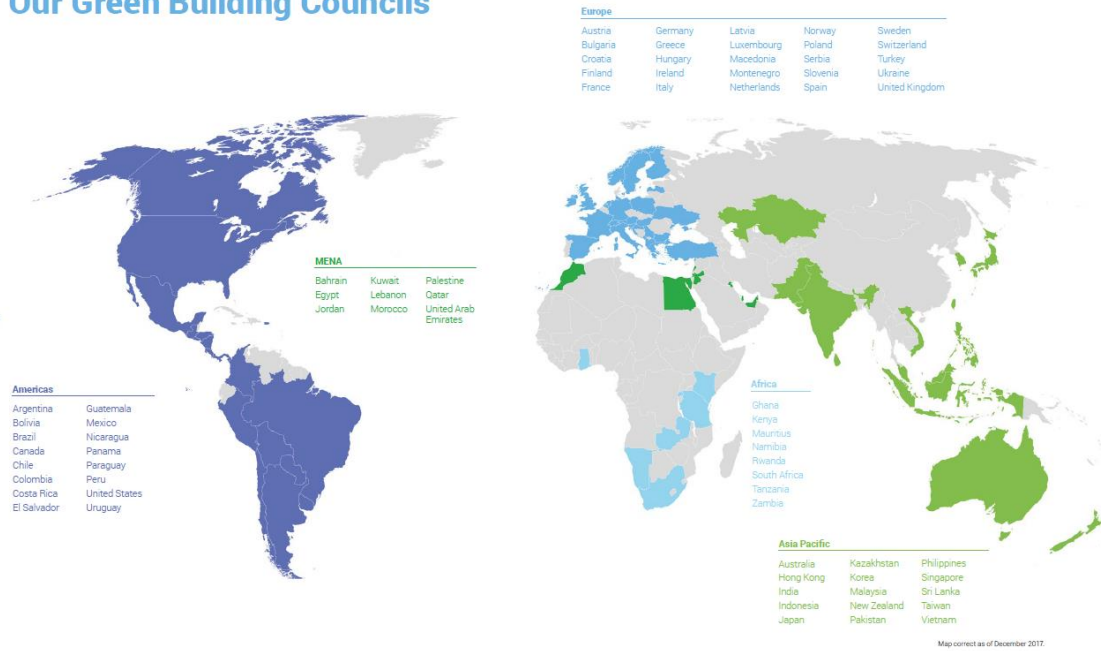




WorldGBC

- A global network of Green Building Councils in 70 countries
- 49,000 members
- Organised to take local > regional > global action

Our Green Building Councils



Social innovation in renovation strategies

1. You can't throw birds in straight lines!
2. **WHO** - You can't manage what you don't measure
3. **WHAT** - We need to track collective progress and impact
4. **HOW** - How to create communities to implement strategy



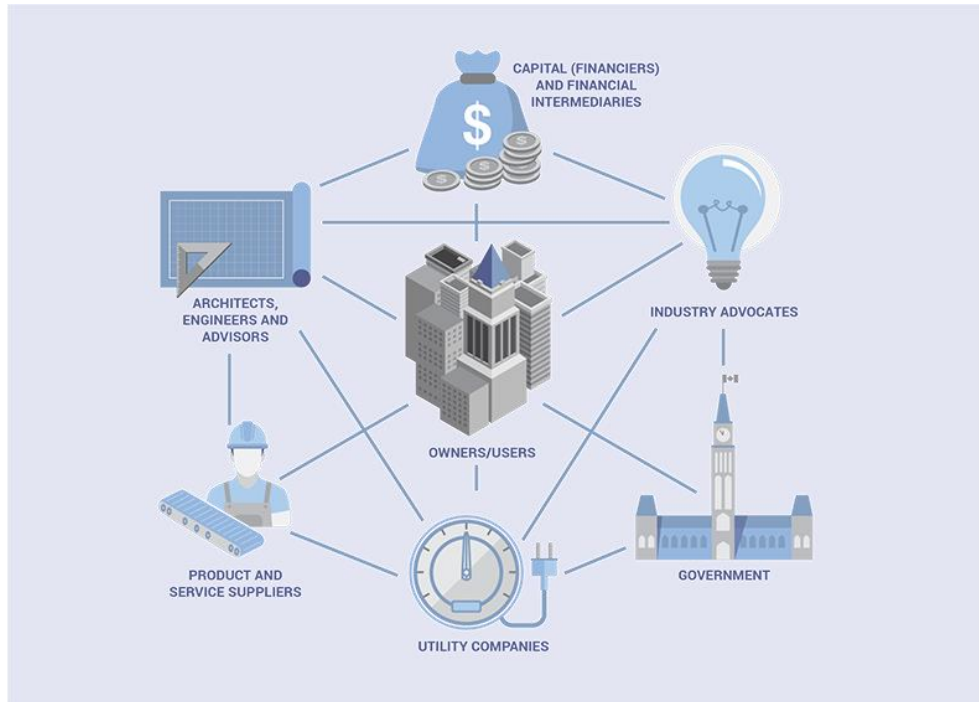
The 'WHO'

You can't manage what you don't measure...





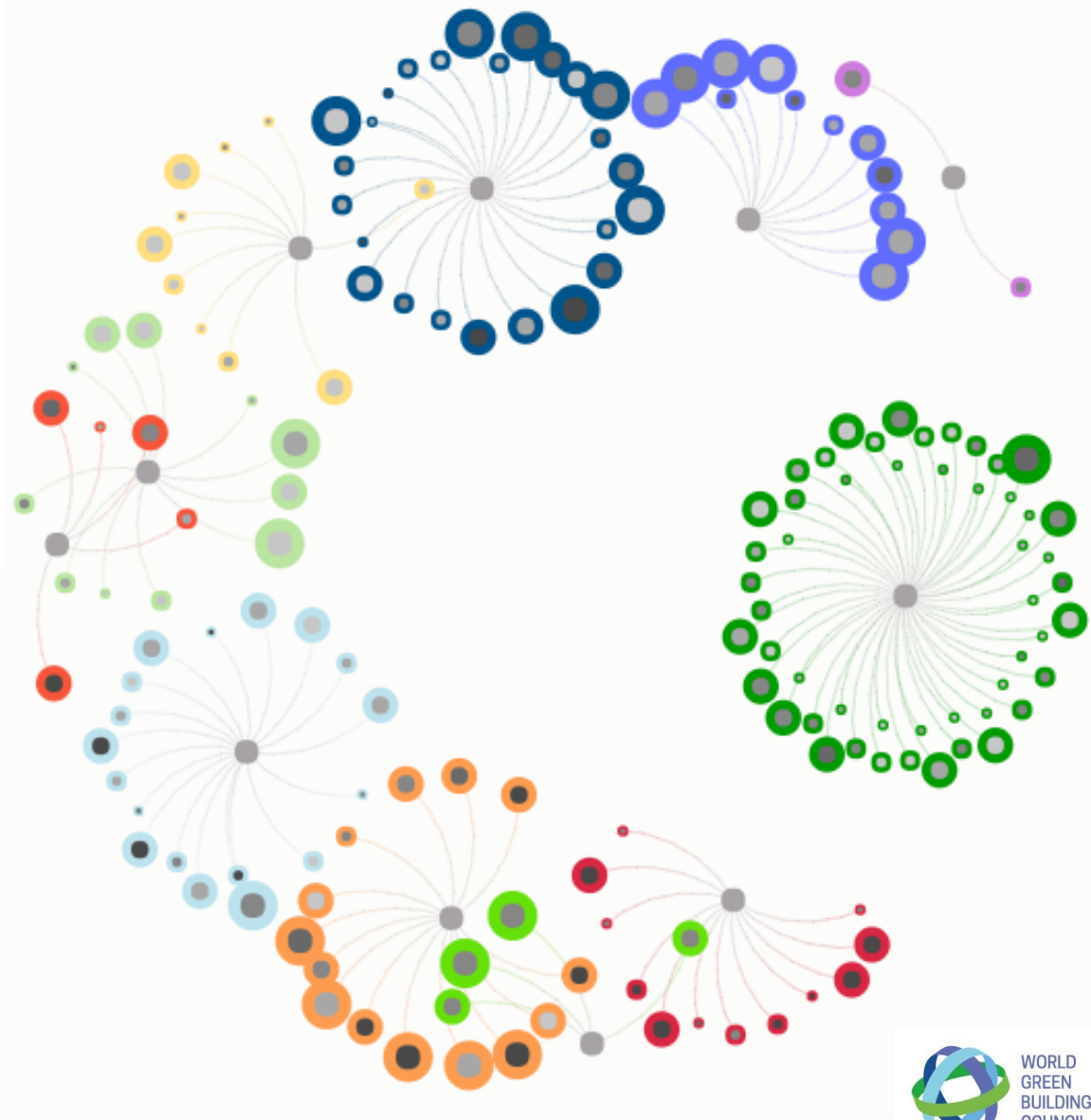
Who needs to be around the table?

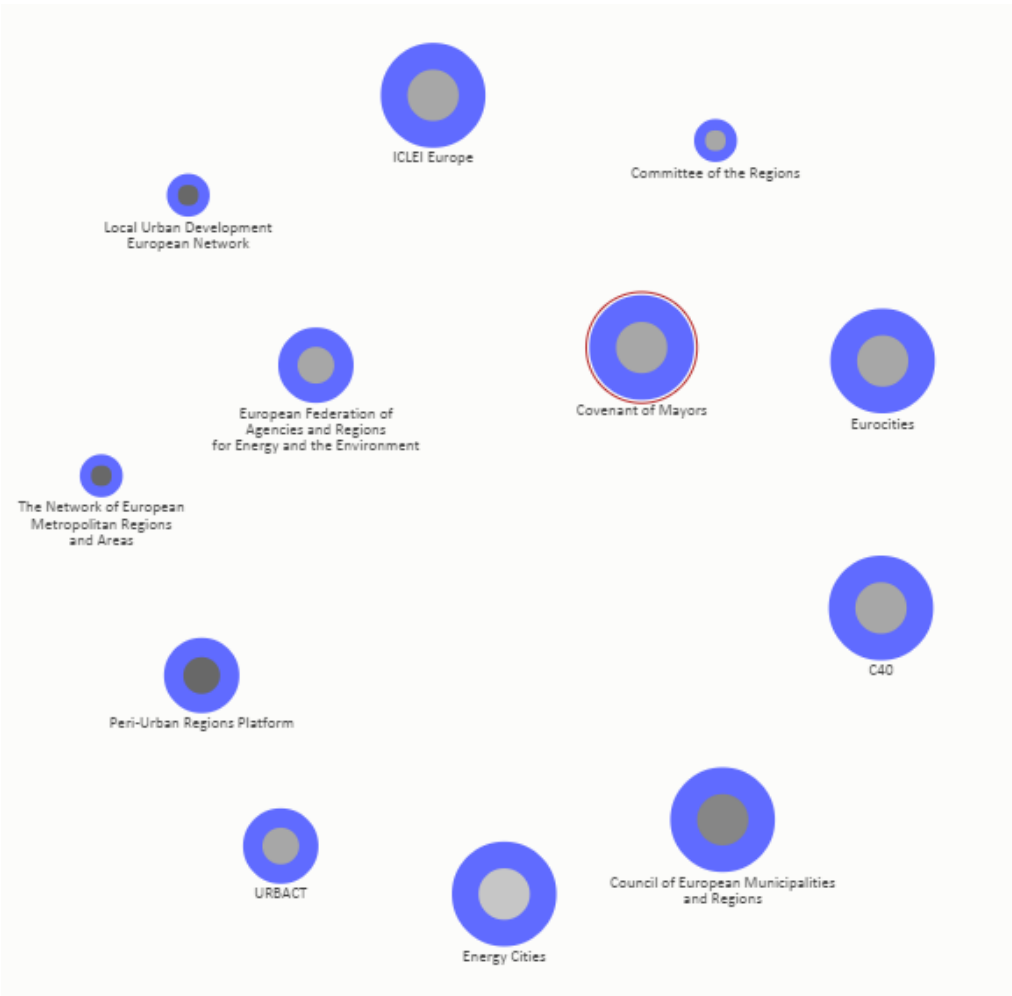


- Central Government
- Local Government
- Other Public
- Financial Services
- Building Users (Non-domestic)
- Construction Business
- Energy Sector
- Research & Academia
- Media
- NGOs & Think Tanks
- Building Users (Domestic)
- Unusual Suspects

Identifying the network of key actors

- Central Government
- Local Government
- Other Public
- Financial Services
- Building Users (Non-domestic)
- Construction Business
- Energy Sector
- Research & Academia
- Media
- NGOs & Think Tanks
- Building Users (Domestic)
- Unusual Suspects





Covenant of Mayors

LOCAL GOVERNMENT

The Covenant of Mayors is the mainstream European movement involving local and regional authorities, voluntarily committing to increasing energy efficiency and use of renewable energy sources on their territories. By their commitment, Covenant signatories aim to meet and exceed the European Union 20% CO₂ reduction objective by 2020. The Covenant at-a-glance

After the adoption, in 2008, of the EU Climate and Energy Package, the European Commission launched the Covenant of Mayors to endorse and support the efforts deployed by local authorities in the implementation of sustainable energy policies. Indeed, local governments play a crucial role in mitigating the effects of climate change, all the more so when considering that 80% of energy consumption and CO₂ emissions is associated with urban activity. For its unique characteristics - being the only movement of its kind mobilising local and regional actors around the

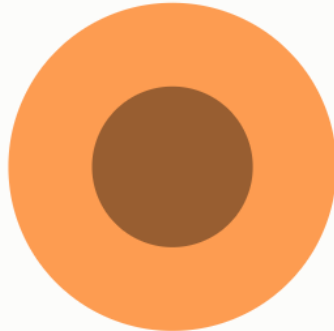
Understanding their goals



Redefining “influence”



World Green Building
Council



European Mortgage Federation



European Association
for People Management

Bulgaria



in f

Croatia



in f

Czech Republic



in f

EU



in f

Finland



in f

Ireland



in f

Italy



in f

Latvia



in f

Romania



in f

Slovakia



in f

Slovenia



in f

Spain



in f

Sweden



in f

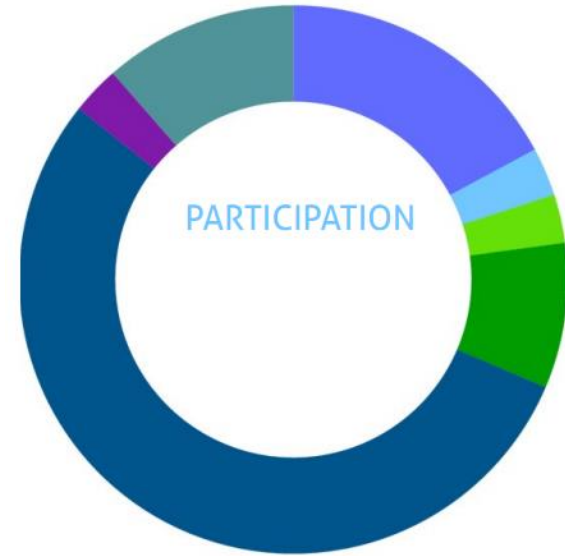
Turkey



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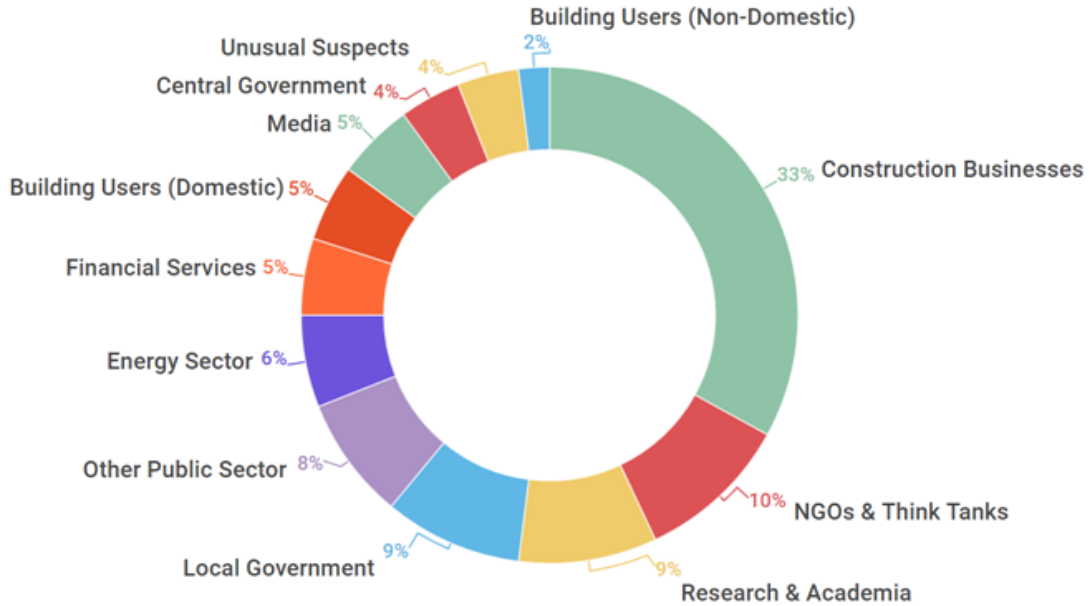
Measuring the quality of collaboration



Central Government Local Government Other Public
Financial Services Construction Businesses Energy NGOs



Measuring the quality of collaboration



- The quality of cross-sector collaboration impacts results / solutions
- Structured cross-sector platforms are needed, but require significant investment to run well
- You can't manage what you don't measure!

Breakdown of 2,000+ orgs participating in WorldGBC's Build Upon Project

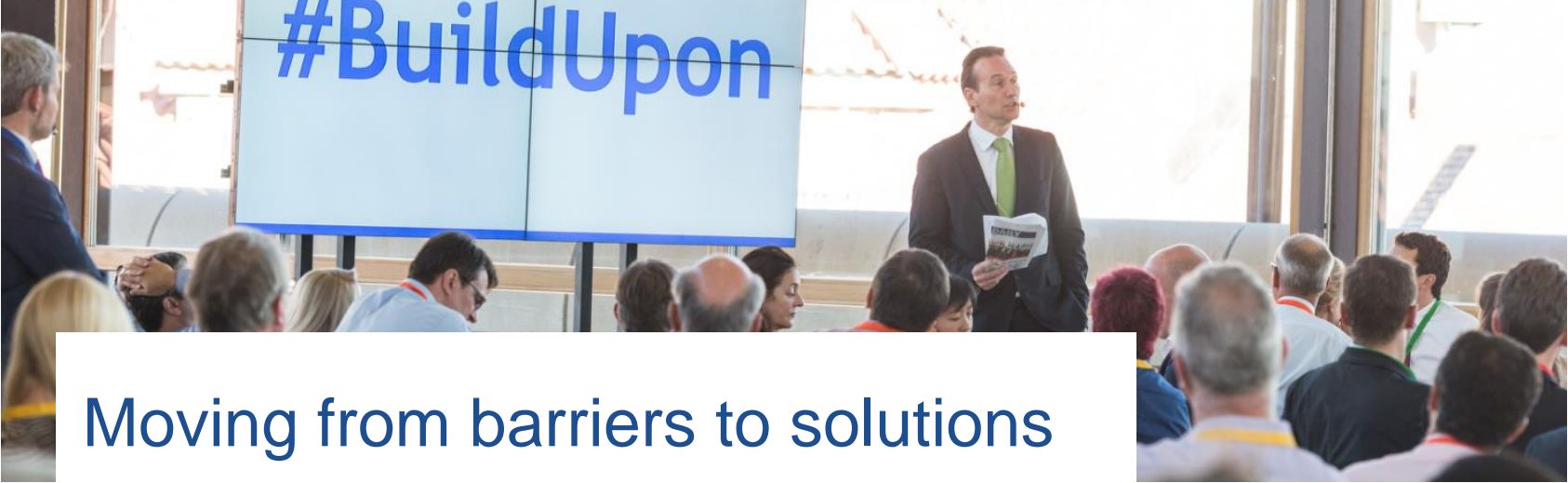


Who are the ‘unusual suspects’
who *could* have influence **if** we
invited them to the table?



The 'WHAT'

How we build a community of solutions



Moving from barriers to solutions

- We were tired of complex discussions about market barriers that didn't solve anything
- We were tired of reports about initiatives that were out of date
- So we created an interactive portal that maps nearly **800** initiatives tackling barriers



The RenoWiki



- Maps by country and market barrier
- Simplifies into 5 categories:
 - *Awareness raising*
 - *Skills & capacity building*
 - *Finance & economic*
 - *Policy & regulatory*
 - *Organisational & administrative*
- Provides organisational contacts to help connect with great ideas

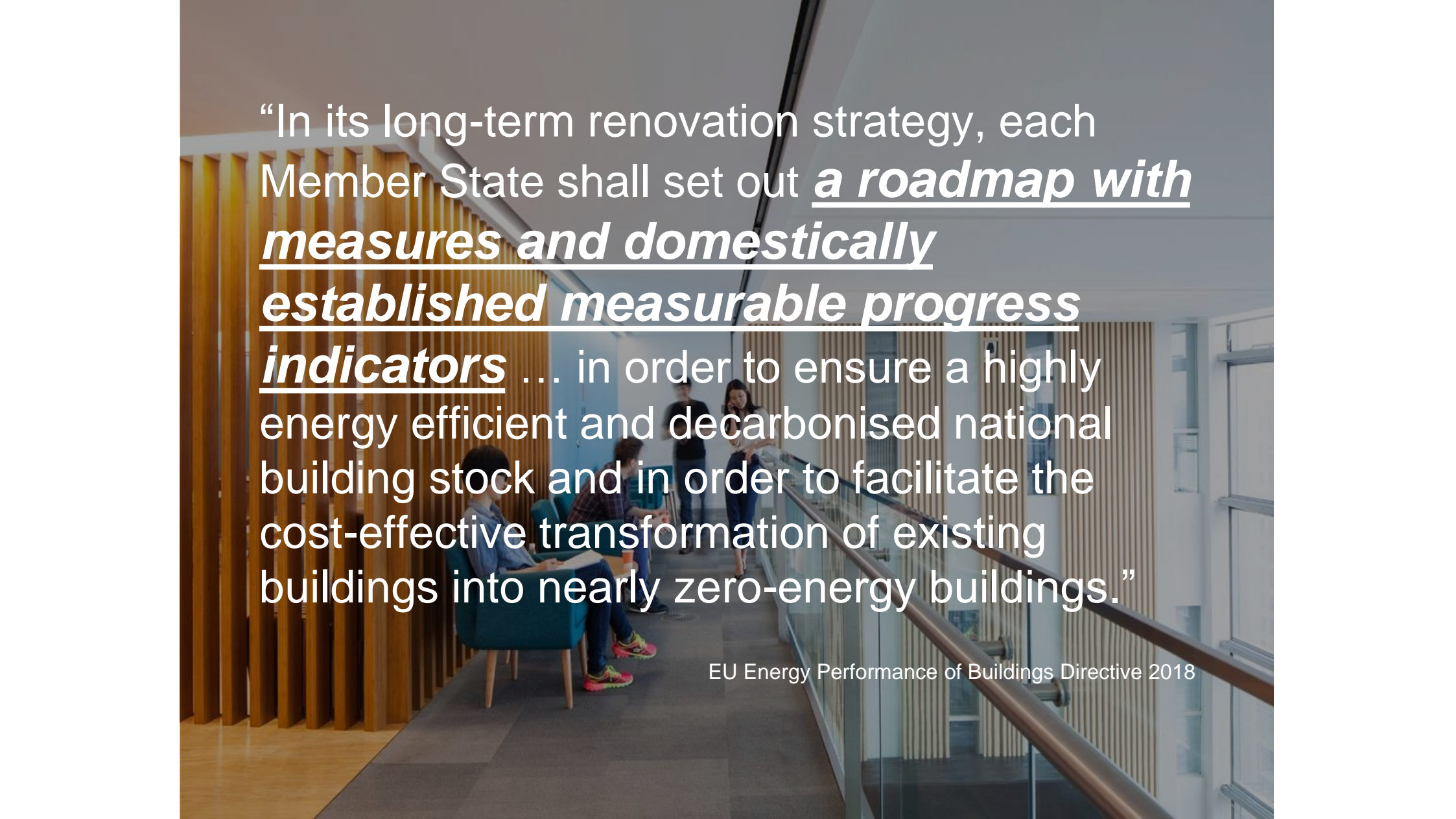
The shocking truth

- Often 50-100 major initiatives tackling market barriers per country
- Less than 5% publicly reporting progress / impact. Impossible to identify 'best practice' by real impacts
- No strategy to coordinate and scale all this resource... **Would you employ 100 staff that didn't report or coordinate?**



Developing an 'Impact Framework'

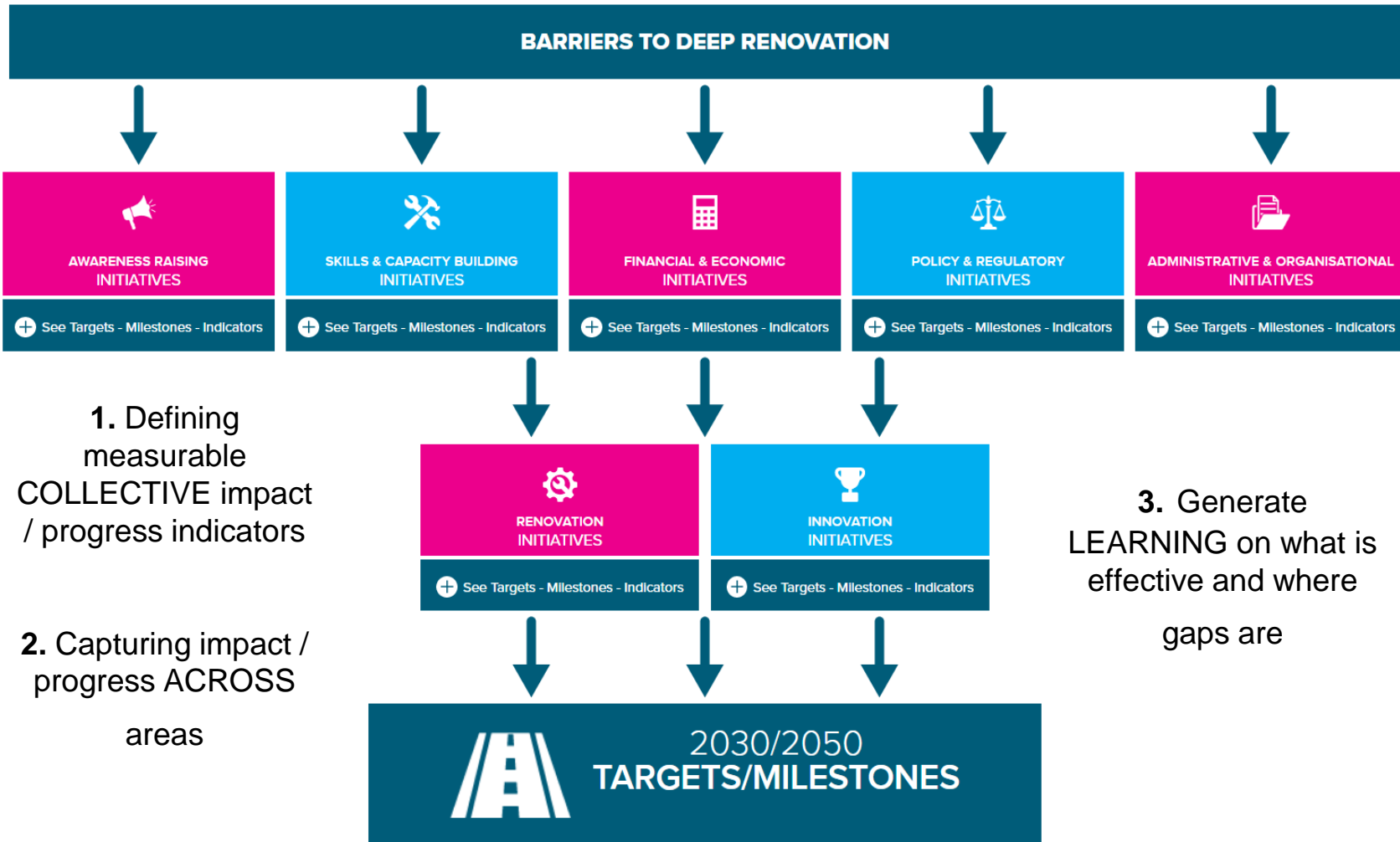




“In its long-term renovation strategy, each Member State shall set out *a roadmap with measures and domestically established measurable progress indicators* ... in order to ensure a highly energy efficient and decarbonised national building stock and in order to facilitate the cost-effective transformation of existing buildings into nearly zero-energy buildings.”

EU Energy Performance of Buildings Directive 2018

Developing an 'Impact Framework'

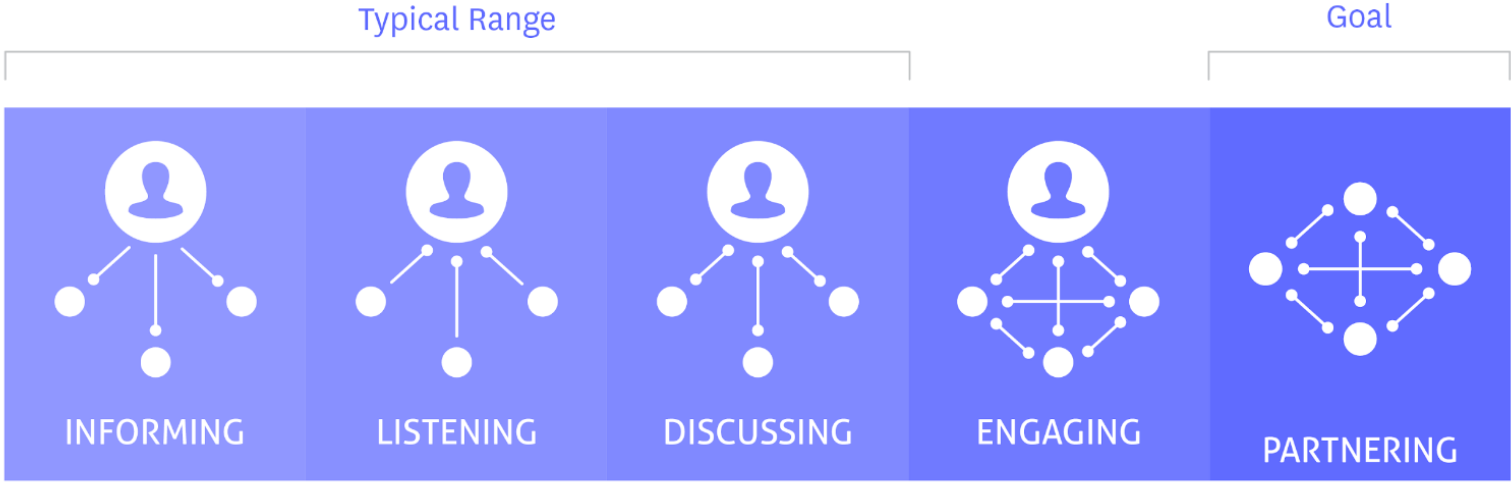





The “HOW”

How to create communities to *implement* strategy

Stakeholder Involvement in Policy Design Process





“Commonly people focus on technical physical science solutions and organising events. They commonly fail to appreciate the core work of **creating processes that bring together *diverse* people to be productive as a network** that spurs development and implementation of solutions.”

Steve Waddell



What did that process look like?

IL PERCORSO DI DIALOGO IN ITALIA



- Led by 'Change Leaders'
- 6-10 large cross-sector events in the capitals and across major **cities** and **regions**
- Breaking down issues by building typology and market barrier
- Each event building on the next and building a powerful community and common mission



GLI STAKEHOLDER PARTECIPANTI AI WORKSHOP BUILD UPON IN ITALIA | WS0-WS6

Pubblica Amministrazioni ed Enti a finalità di pubblico interesse / servizio

Università

Finanza

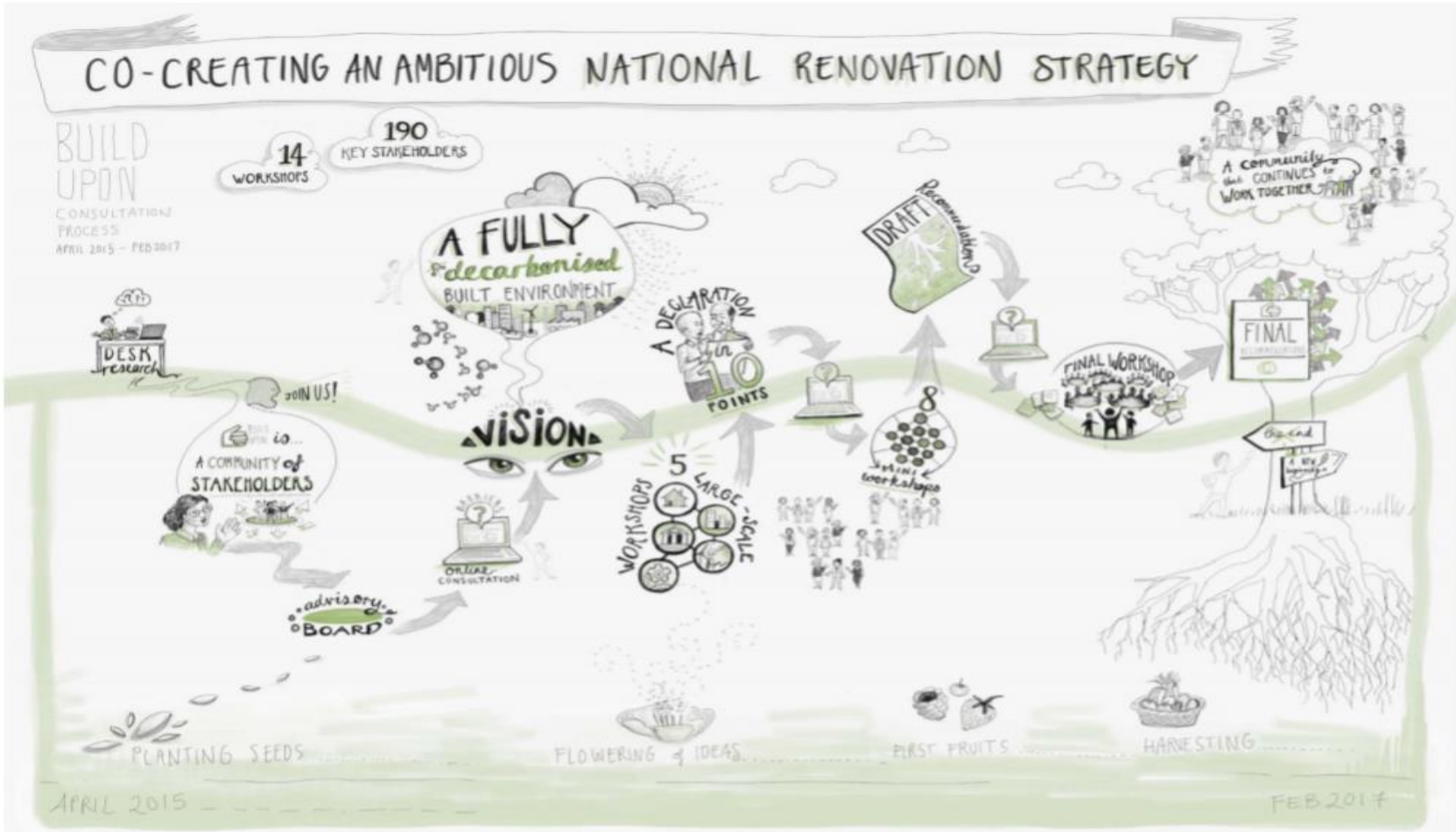
Prodotti e Servizi

Ricerca e Think Tank

Utilizzatori finali e amministratori

NGO

Nota:
I partecipanti sono presenti per categoria di stakeholder e in ordine alfabetico entro ciascuna categoria.



TOWARDS LARGE SCALE DEEP ENERGY RENOVATION
UNLOCKING IRELAND'S POTENTIAL



FINAL RECOMMENDATIONS
FEBRUARY 2017

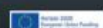
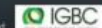
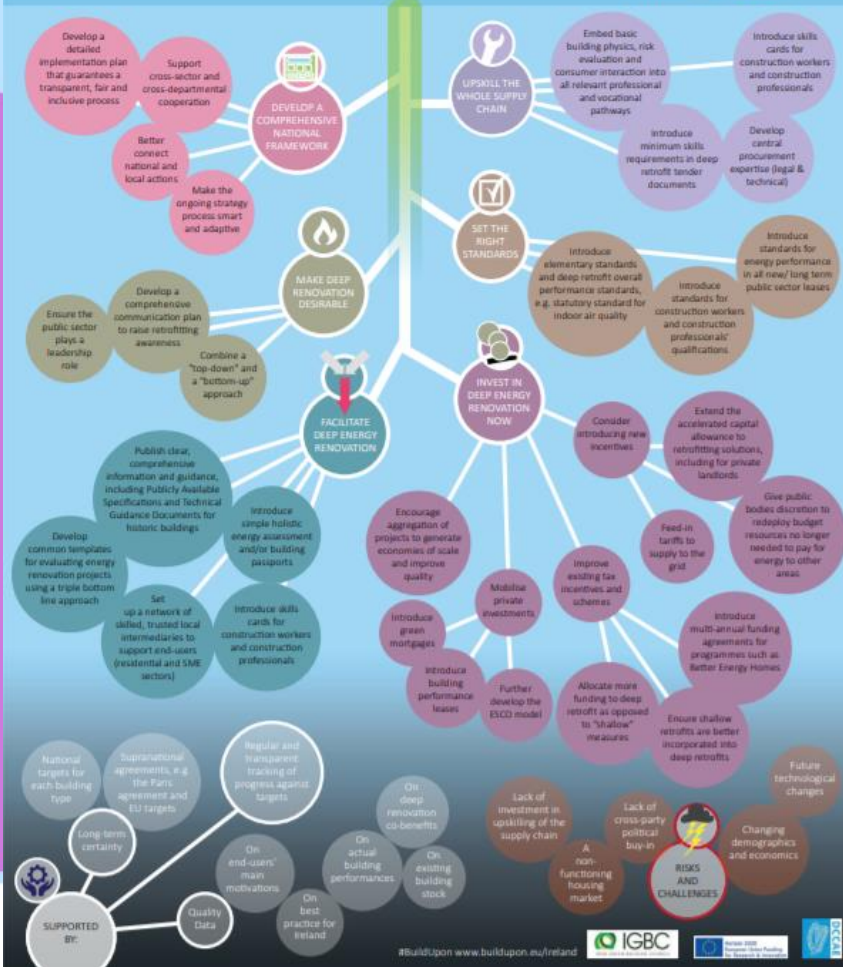
www.buildupon.eu/ireland
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TOWARDS AN IMPACTFUL NATIONAL RENOVATION STRATEGY
ENABLING LARGE SCALE DEEP ENERGY
RENOVATION IN IRELAND



FEBRUARY 2017





EUROPE REGIONAL NETWORK



SKANSKA



ASSA ABLOY

Thank you!

www.buildupon.eu
europe@worldgbc.org

—

A community of 23 GBCs, 8 Regional Partners and over 4,600 members

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