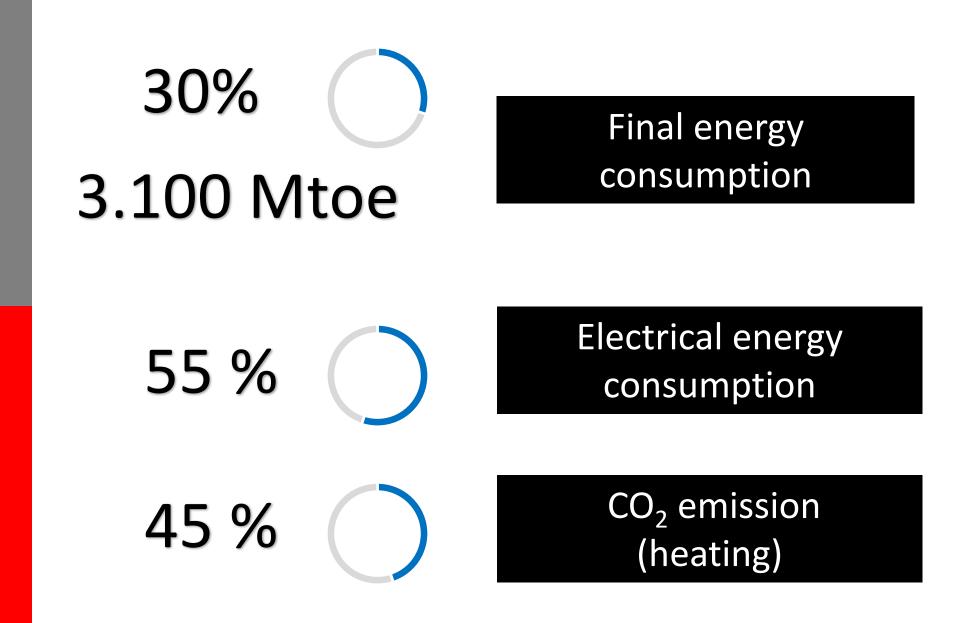
De-risking and impacting on Building Renovation

EEMI Bauhaus 18.1.2021

E. Piantoni

Sector Forum Energy Management CEN CENELEC

The relevance of the Building sector worldwide



Source: IEA

Enhanced Trasparency Framework



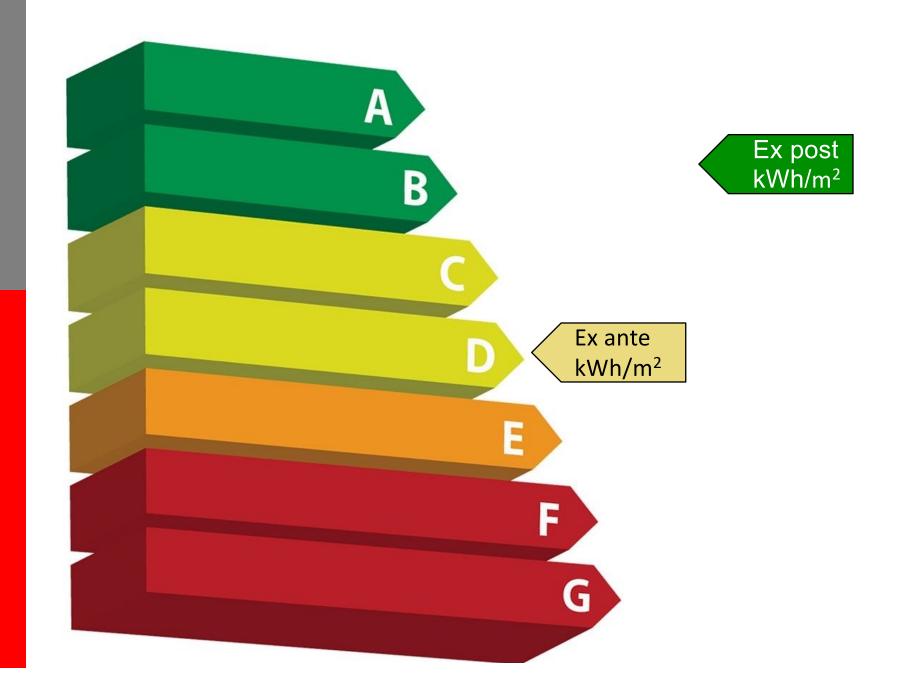
United Nations Climate Change Secretariat



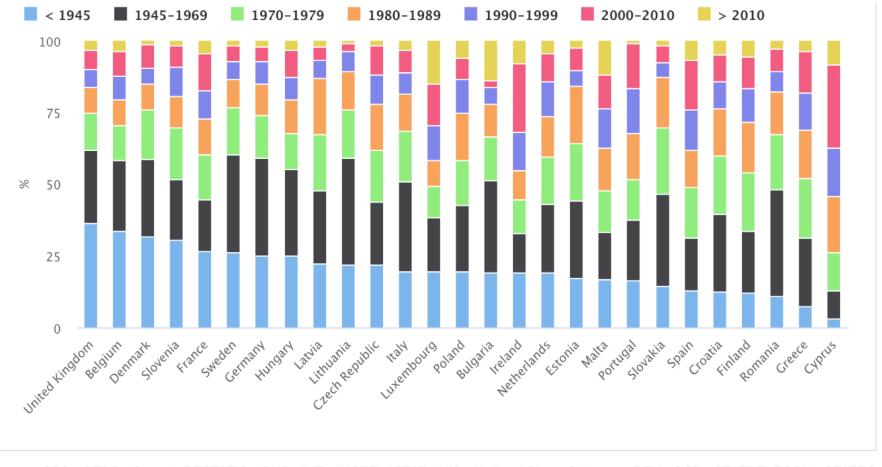


Joint IEA UNEP UNFCCC Workshop on Energy Data for Climate Policy

Strengthening energy data for an effective Enhanced Transparency Framework under the Paris Agreement The success of climate policy depends on accurate and reliable data – Materiality is key



80% of the building stock was built before 2000 and will be there in 2050



Sources: CBS - CZSO - Cystat - DESTATIS - GUS - INE - INSEE - ISTAT - NIS - National Plan - Odyssee - REN - SCB - STATBELECON - STATEC - Statistical Yearbook - Statistics DK - Statistics EE - Statistics FI

Source: https://ec.europa.eu/energy/eu-buildings-factsheets_e

The unmet needs

- quality data availability, accessibility
- reduce bias to improve data quality on risk assessment
- from static to dynamic approach to further assess risk management
- transparency, accuracy, reliability, traceability, auditability

EED 2012/27/EU provides additional guidance to correlate building energy performance and green mortgages default?

Article 11

Cost of access to metering and billing information

1. member States shall ensure that final customers receive all their bills and billin information for energy consumption free of charge and that final customers also hav access to their consumption data in an appropriate way and free of charge.

Annev V

Paragraph 2 (c) the activities of the obligated, participating or entrusted party must be demonstrabl **material** to the achievement of the claimed savings

Annex V

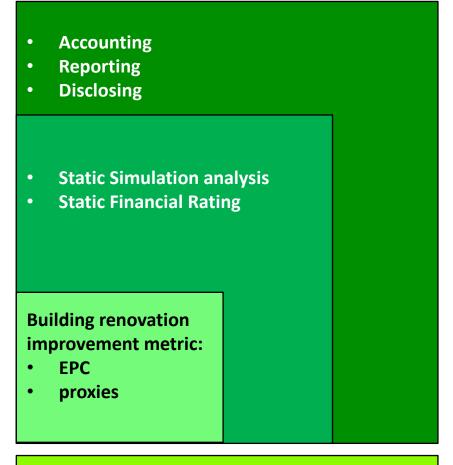
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Paragraph 4 (f)
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calculation methodology, including how additionality and **materiality** are to b determined and which methodologies and benchmarks are used for engineerin estimates

Current data mining for default risk assessment

- Energy Performance Certificate
- Energy Efficiency
- Renewable Resources
- Energy Audit
- Guarantee of origin
- Energy Performance Contracting
- •

CEN CENELEC - EN STANDARDS



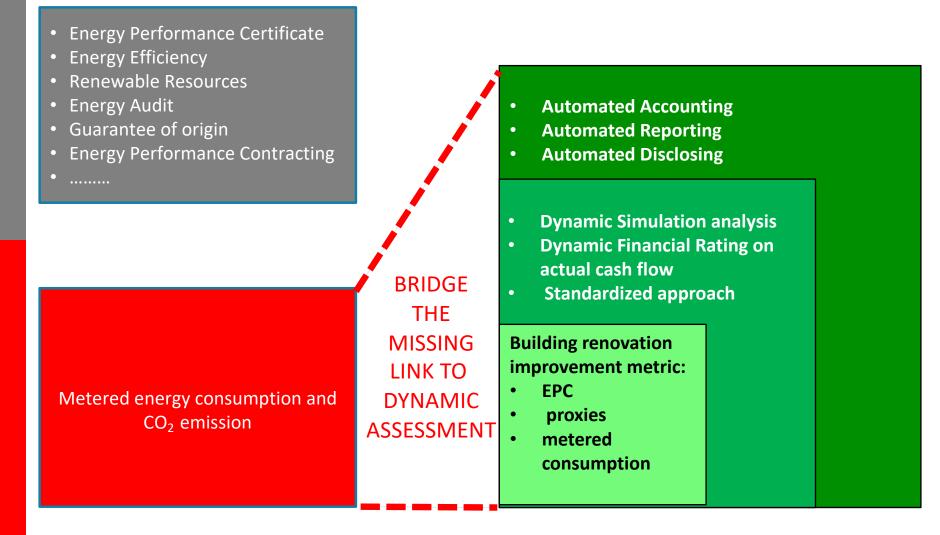
IASB FASB

PROPRIETARY TOOL

ICRE

IIRC – SASB- GRI- CDP

Integrated data mining aligning metered energy and environmental pillars for default risk assessment





2nd EEMI Bauhaus event january 18th 2021

Energy Efficiency: providing a data-hub for consumers

Marco De Min

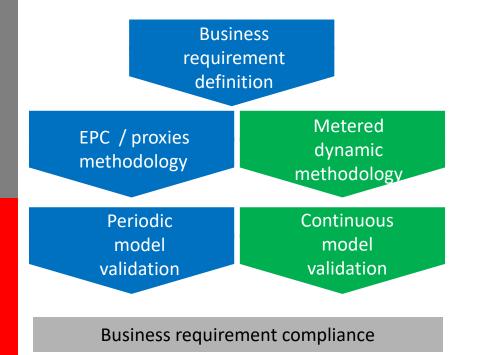
Italian Regulatory Authority for Energy and Water - ARERA

Retail Market directorate

Confidential!

<u>Staff of the Regulatory Authority have the duty to disclaim in public that only personal opinions are</u> <u>presented when speaking in public at conferences, workshops and seminars.</u> Ethical code of ARERA

Proposal for Pilot test



Benefits

- end to end automated risk assessment using metered high quality data
- dynamic financial and non financial accounting, reporting and disclosure
- transparency, traceability, reliability
- materiality

Thank you

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