



European Union 22-26 March 2010
Sustainable Energy Week

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European Rebuilding Forum contribution towards mandatory and non-mandatory retrofitting targets at the national level

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Bruxelles 25 March 2010



European
Partners for the
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Outline

- European Re-Building Forum: purpose, focus and outcome
- Set-up and organisation
- Examples of national approaches and instruments to retrofitting and energyefficiency in the built environment
- Sponsorships and way forward



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European Re-Building Forum

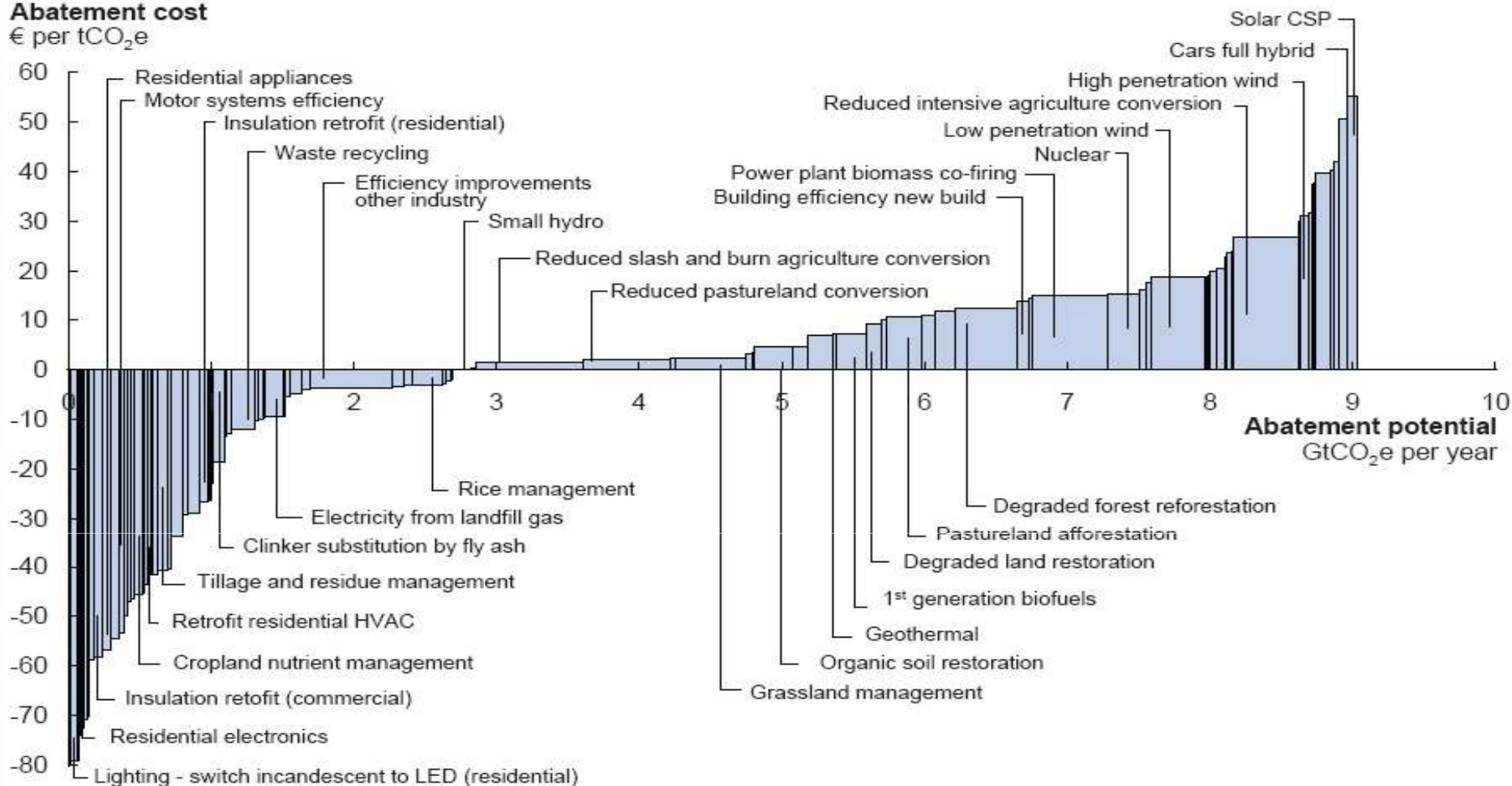
Purpose

The European Re-Building Forum is proposed as the platform for meaningful, action-oriented discussion, exchanges of best practices and innovative solutions to help member States coherently implement the Recast of The Energy Performance of Buildings Directive (EPBD) and increase energy efficiency from the built environment.



Global GHG abatement cost curve beyond business as usual – 2015

Abatement cost
€ per tCO₂e



Note: The curve presents an estimate of the maximum potential of all technical GHG abatement measures below €60 per tCO₂e if each lever was pursued aggressively. It is not a forecast of what role different abatement measures and technologies will play.

Source: Global GHG Abatement Cost Curve v2.0



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European Re-Building Forum

Focus

The European Re-Building Forum will be focused on retrofitting the existing European building stock which presents almost 99% of all buildings.

(New Buildings being 1-1,5%)

Accelerating the implementation of the almost 40% cost-effective savings potential in buildings by 2020 and the deployment of renewable energy technologies for heating and cooling.



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Outcome

Regulatory level - Progress in implementing relevant buildings legislation at EU Member States level and policy recommendations (annual “State of Progress” report on partnerships along the value chain of the building sector to speed up retrofitting at EU Member States level);

Technical level - Proposals for retrofitting programs and pilot projects at EU Member State level, including financing tools and mechanisms that will provide the resources needed by investors to implement projects.



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Set-up & organisation

A provisional Steering Committee is presently composed of the institutions/organisations which supported the 19th January 2010 exploratory meeting:

European Partners for the Environment, The French Ministry of Environment, PeGO, EUROFUEL, UPEI, ICLEI, EUREC Agency and Build Up. The Steering Committee will play a key role in setting the vision and priorities of all Forum activities in 2010 and nominate a co-chair for each meeting.



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Set-up of working groups and plenary meetings

Two working groups are being planned for 2010 under two main streams:

- energy saving & energy efficiency
- renewable energy generation;

Two plenary meetings are being planned for 2010:

- during the EUSEW (25 March)
- during the DG REGIO Open Days (October).



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Topics

- Mandatory and not mandatory retrofitting targets at local and national level
- Key performance indicators and best available technologies related to “deep renovation” for commercial and residential buildings
- Environmental performance and life cycle analysis of building components such as windows, roofs, ventilation, lighting, boilers
- Integration of hybrid renewable-fossil fuels installations for heating and cooling
- Financing renovation for the residential sector through performance contracting schemes



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Time line

TIMELINE

The next plenary meeting of the Forum is scheduled to take place during the European Sustainable Energy Week on March 25th in Brussels from 14:30 to 18:30 (invitation to be circulated soon) and the first working group by April.

DRAFT TIMELINE FORUM PROGRAMME 2010												
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
FORUM	Exploratory Meeting		1 st Meeting EUSEW			Mid Review Report				2 nd Meeting OPEN DAYS		Annual State of Progress Report
WGs				1 st Meeting WG1	1 st Meeting WG2	→			2 nd Meeting WG1	2 nd Meeting WG2	Reports of Actions WG1-WG2	
MEDIA OUTREACH	→		X	→						X	→	
BUILD UP COMMUNITY			X	→								
STEERING COMMITTEE MEETINGS					X				X			X



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Examples of national approaches to mandatory and non-mandatory instruments:

Germany

UK

Belgium

Italy



Derived from the recent Dutch study “de vrijblijvendheid voorbij” (“beyond permissiveness”) – towards structural energy saving in the existing stock – by ‘Spaar het klimaat’



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Selling, seducing or telling?

Characteristics Germany

Mix of non-mandatory and mandatory instruments:

- trend: growing emphasis on mandatory instruments
- little emphasis on 'natural moments'

Name	Type	Instrument	Description	Year
Energieeffizient Sanieren (KfW)	Non-mandatory	Attractive loan, subsidy	Different targetgroups, applicable for individual measures as well as for complete renovations	2009
Energieeinsparverordnung (EnEV)	Mandatory	Insulation obligation at all moments	House- and other building-owners must insulate roofs and lofts ($U < 0,24 \text{ W/M}^2 \cdot \text{K}$)	2009
Energieeinsparverordnung (EnEV)	Mandatory	Procedure for renovation standards	When more than 10% change of shell then transmission losses max. 40% above norm for new buildings	2009



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Selling, seducing or telling?

Characteristics United Kingdom

Mix of non-mandatory and mandatory instruments:

- large number of non-mandatory instruments
- recently introduction of mandatory “white certificates”

Name	Type	Instrument	Description	Year
Carbon Trust	Non-mandatory	Attractive loan, subsidies	Public Private non-profit company - advisory and loans (max. 500.000 £)	2001
Salix Finance Landlords' Energy Saving Allowance (LESA)	Non-mandatory Non-mandatory	Attractive loans Green fiscal instruments	Financing investments through revolving funds Tax returns of max. 1.500 £	2004
Building Regulation part L	Mandatory (natural moments)	Regulation for renovations	Rules & minimal U values for constructions at renovation	2006
Act on CO ₂	Non-mandatory	Information	Consumer website and telephone advisory	2007
CERT (Carbon Reduction Emission Target)	Mandatory	White certificates	Individual targets for different energyproducing companies	2009



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Selling, seducing or telling?

Characteristics Belgium

Mix of all possible mandatory and non-mandatory instruments:

- emphasis by and large on non-mandatory instruments
- mandatory instruments for energy-producing companies

Name	Type	Instrument	Description	Year
Tax reduction Green loan	Non-mandatory Non-mandatory	Fiscal discount Attractive loan	40% tax-reduction after retrofitting 1,5% lower premium	2003
Flemish roof insulation discount	Non-mandatory	Investment subsidy	Max 1000 € when insulating roof	2003
EPB- databank	Non-mandatory	Information on insulation-products	Reliable information on insulation materials	2007
EPB norms (Flanders)	Mandatory (natural moments)	Regulation at renovation	Norms for insulation and ventilation /building-climate	2005
Exigences applicables aux bâtiments rénovés (Wallonie)	Mandatory	Regulation at renovation	Targets for U values and ventilation	2008



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Selling, seducing or telling?

Characteristics Italy

Mix of non-mandatory and mandatory instruments:

- large number of non-mandatory instruments
- emphasis on “white certificates” for energy providers

Name	Type	Variety	Description	Year
Titola di Efficienza Energetica (TEE)	Mandatory	Result obligation	White Certificates for large electricity and gas providers	2005
Finanziaria	Non-mandatory	Green fiscal instrument	Tax-deduction for energy saving investments	2007
Legislation Regio Valle d'Aosta	Mandatory	Regulation for renovations	At natural renovation moments minimal energy performance targets	2008
Fund to garanty loans for ESCO's	Non-mandatory	Loans	Fund to garanty loans for energy saving	2008



Selling, seducing or telling?

Making progress by comparing notes!

The Forum intends to help economic actors to accelerate change, identify opportunities, barriers and key challenges ahead to facilitate implementation at regional and national levels of Member States, specifically addressing EPBD Recast, Energy Services Directive, EuP Directives and the development of National (Sustainable) Energy Action Plans.



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Linking everyday practice with innovative research

Coordinating efforts and progress with other initiatives like the JTI E2B (Energy Efficient Buildings)

The Forum intends to coordinate its efforts and progress with such initiatives as the JTI E2B thus linking longer term Research & Development efforts with short term everyday practices thereby ensuring that innovative approaches will be made available to achieve the ambitious targets.



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Linking everyday practice with innovative research: www.e2b-ei.eu/default/php

E2B EI
Energy Efficient Buildings
European Initiative

International Non for Profit
Industrial Association:
E2B Association
ECTP

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E2B EI »

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---> **E2B Association Registration Open: Sign up!!**
---> **ECTP-E2BA Conference, Brussels, 24-25 November 2009**

MULTIANNUAL ROADMAP: This document presents the preliminary list of research priorities for the definition of an industry long term strategy and a Multi-Annual Roadmap within the EeB PPP. The research challenges have been identified by industry in the framework of E2BA and its multiplier effect within the broader stakeholder community. Further details are available [here](#)

Final consultation: The **updated draft of the E2B Multiannual Roadmap** developed within the framework of the EeB PPP initiative by an Ad-hoc Industrial Advisory Group is now available [here](#). Precise comments, with clear reference to the text they address, should be sent to stefano.carosio@dappolonia.it and secretariat@e2b-ei.eu by November 30, 2009.

National Liaison Points (NLPs): within the E2B Association, NLPs have been established to strengthen the visibility of E2BA activities at National levels and to channel the communication between E2BA and national stakeholders as private companies, agencies and ministries. Please find the link to the official NLPs [here](#).

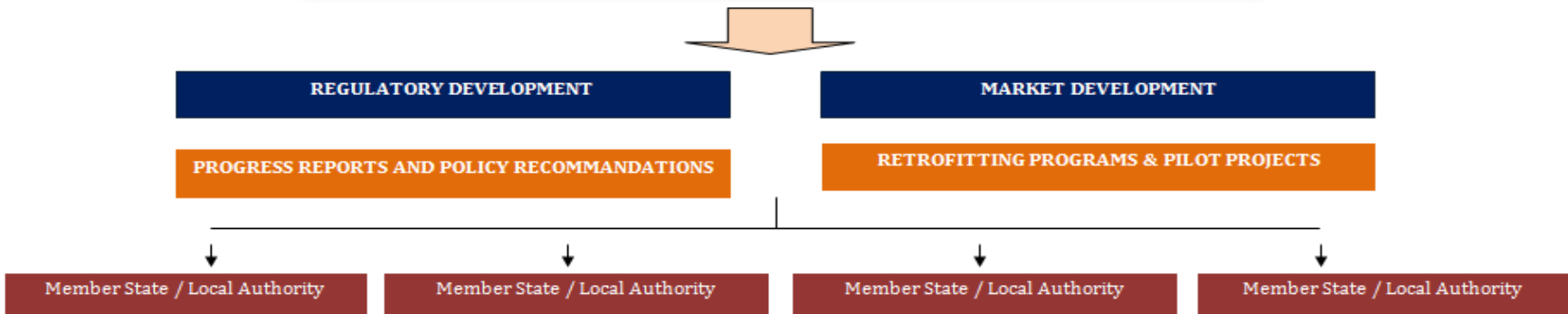
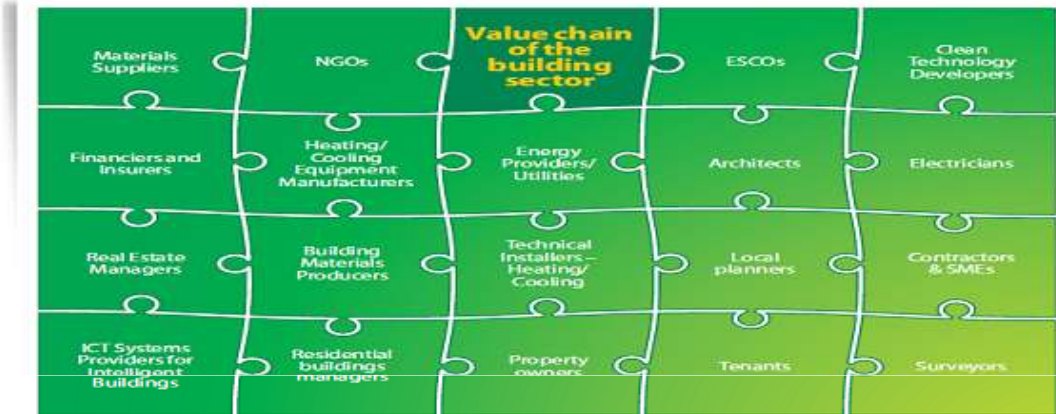
Roadmap Finalizing: after the presentation of a **Draft Multiannual Roadmap** on the 13th July at the PPPs info day in Brussels, the Ad hoc Industrial Advisory Board is now in the process of finalizing the document. The objective is to define research challenges and to define a long term research strategy for energy efficiency in the construction sector. Please find more details with an **overview of the roadmapping process and the prioritisation methodology**.



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EUROPEAN REBUILDING FORUM WG PROGRAM 2010



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Sponsorships

A partnership is only as strong and active as organisations and individuals involved!

The Forum seeks strong links with organisations and individuals who are also convinced of the potential results.

The Forum seeks to structure a community in which members can contribute and exchange their experiences, to encourage and ensure best practices.

Crucially, Forum sponsors play a key role in setting the agenda for all Forum events, ensuring it is relevant to their needs, recruiting participants to the working groups and providing input to the reports.

