

IEA EBC Annex 75 Subtask D: Policy Instruments, Business Models & Stakeholder Dialogue

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Objective

- Give recommendations to policy makers and building owners about how they can **influence the uptake of cost-effective combinations of energy efficiency measures and renewable energy measures in building renovation at district level.**
- Research approach:
 - Innovative local policy instruments (catalogue)
 - Emerging business models (catalogue)
 - Stakeholder research (in-depth interviews)
 - Guidelines

Stakeholders

- Different starting conditions in various countries/ regions/ municipalities
- Different roles, influence, power and interest levels per stakeholder/ project

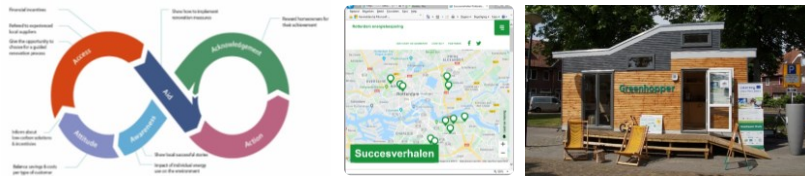
P. Policy actor	C. Client or beneficiary/ demand actor	F. Financing intermediary	E. Energy solution provider	R. Renovation solution provider	I. Other intermediaries
<ul style="list-style-type: none"> o Municipality or city o County council o Provincial/ regional government o Federal/ national government body o Other, namely:... o Public agency or institute: Innovation agency, Energy agency, Public service, Educational institute, Research institute, Other:... 	<ul style="list-style-type: none"> o Private owner or assembly thereof: Private owner, homeowner assembly, housing cooperative or co- housing, other:... o Housing association or company: Private housing actor or real estate company, public or social housing actor, semi-public or mixed, other:... 	<ul style="list-style-type: none"> o Bank o Investment fund operator o Real estate development company o Project development company o Building portfolio manager o ESCO o Other:... 	<ul style="list-style-type: none"> o Distribution system operator (DSO) o Transmission system operator (TSO) o Energy supply company o Energy service provider o Renewable energy company o Heat grid 	<ul style="list-style-type: none"> o Planning and construction party, o Urban planner o Architect o Design team o General contractor o Subcontractor o Supplier of products or technologies o Supplier of concepts or systems o Facility manager o Installer o One-stop-shop o Other:... 	<ul style="list-style-type: none"> o Federation of local authorities, suppliers, contractors, architects, homeowners, renters, building owners, other:... o Trade organization o Not-for-profit organization o Neighborhood interest association o Private actor contracted as intermediary process actor: Neighborhood communication agent, business model developer, consultant, other:... o Other:...
<ul style="list-style-type: none"> • District action requires a collaboration of multiple types of stakeholders • Municipalities can lead or facilitate development of common understanding and stakeholder dialogue 					

Business models

- Various archetypes of business models (atomised, market intermediary, one-stop-shop or service contract) depending on the business model owner
 - Business approaches for energy renovation don't mix (yet) with those for energy supply
 - Growing complexity of business model when targeting geographical areas
- Complementary innovative business models & stakeholder collaboration are key to achieving district level action
 - Growing support for service intermediaries and motivated cooperatives (sometimes excluded for funding options)

Policy instruments

- Similarities and differences in perceived use, difficulty & easiness
- Different starting conditions in various countries/ regions/ municipalities
- Sticks: adapted permits, control of living conditions, carbon pricing schemes, requirements for sale and rent of municipal land,...
- Carrots: tax incentives, support for group purchases and cooperatives, coaching and unburdening of multiple homeowners at the same time,...
- Organizational instruments: strategy development, tactical plans, online and offline services and communication,...



Source figures: Interreg 2 Seas Triple-A project

Recommendations



- Combine (developing) heat plans, (still largely missing) building stock renovation plans, and (emerging) climate management plans
- Create or use integrated supply, intermediaries and local networks; support combinations of innovative business models
- Staff a consulting infrastructure and stakeholder dialogue in promising districts

Thank you for your attention!

Contact

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