

# 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"> <li>o Municipality or city</li> <li>o County council</li> <li>o Provincial/ regional government</li> <li>o Federal/ national government body</li> <li>o Other, namely:...</li> <li>o Public agency or institute: Innovation agency, Energy agency, Public service, Educational institute, Research institute, Other:...</li> </ul>	<ul style="list-style-type: none"> <li>o Private owner or assembly thereof: Private owner, homeowner assembly, housing cooperative or co- housing, other:...</li> <li>o Housing association or company: Private housing actor or real estate company, public or social housing actor, semi-public or mixed, other:...</li> </ul>	<ul style="list-style-type: none"> <li>o Bank</li> <li>o Investment fund operator</li> <li>o Real estate development company</li> <li>o Project development company</li> <li>o Building portfolio manager</li> <li>o ESCO</li> <li>o Other:...</li> </ul>	<ul style="list-style-type: none"> <li>o Distribution system operator (DSO)</li> <li>o Transmission system operator (TSO)</li> <li>o Energy supply company</li> <li>o Energy service provider</li> <li>o Renewable energy company</li> <li>o Heat grid</li> </ul>	<ul style="list-style-type: none"> <li>o Planning and construction party,</li> <li>o Urban planner</li> <li>o Architect</li> <li>o Design team</li> <li>o General contractor</li> <li>o Subcontractor</li> <li>o Supplier of products or technologies</li> <li>o Supplier of concepts or systems</li> <li>o Facility manager</li> <li>o Installer</li> <li>o One-stop-shop</li> <li>o Other:...</li> </ul>	<ul style="list-style-type: none"> <li>o Federation of local authorities, suppliers, contractors, architects, homeowners, renters, building owners, other:...</li> <li>o Trade organization</li> <li>o Not-for-profit organization</li> <li>o Neighborhood interest association</li> <li>o Private actor contracted as intermediary process actor: Neighborhood communication agent, business model developer, consultant, other:...</li> <li>o Other:...</li> </ul>

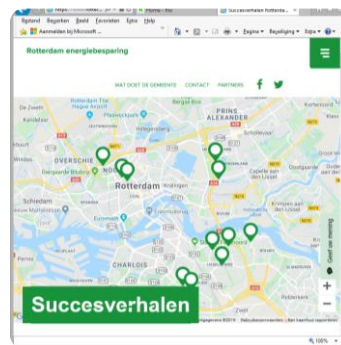
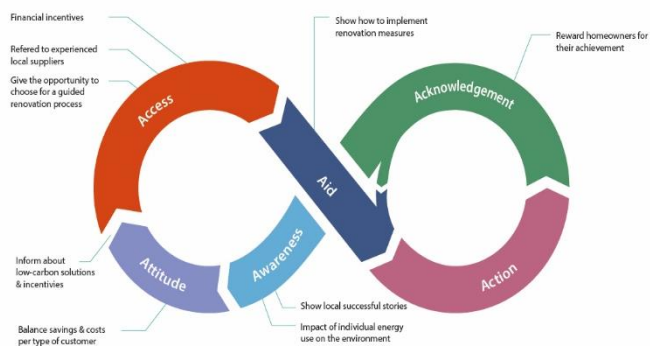
- District action requires a **collaboration** of multiple types of stakeholders
- Municipalities can lead or facilitate development of common understanding and **stakeholder dialogue**

# 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)

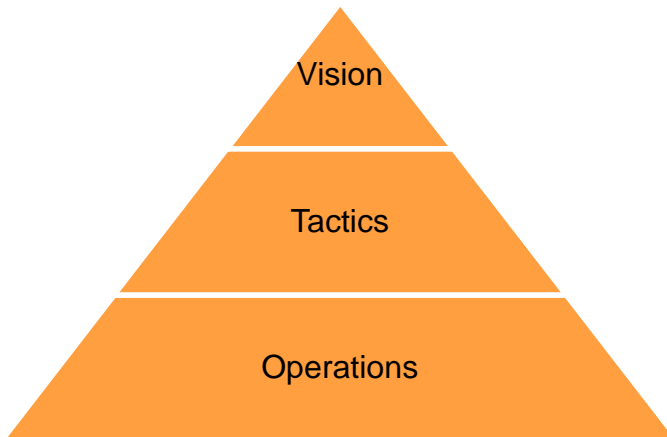
# Policy instruments

- 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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Triple-A

European Regional Development Fund