



## Increasing capacities in Cities for innovating financing in energy efficiency

A review of local authority innovative large scale retrofit financing and operational models

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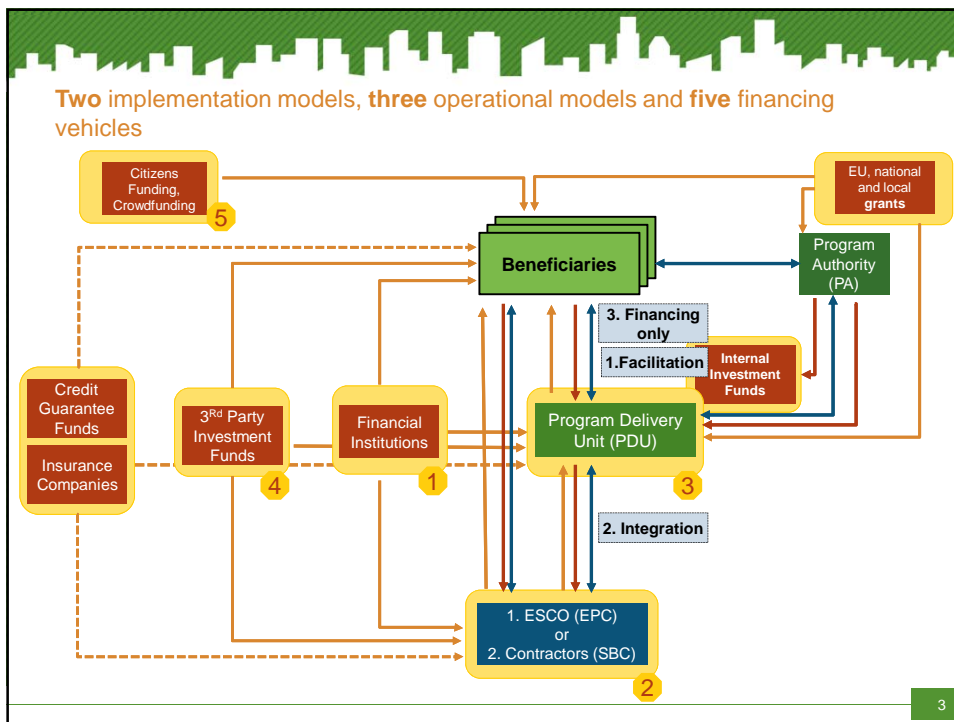
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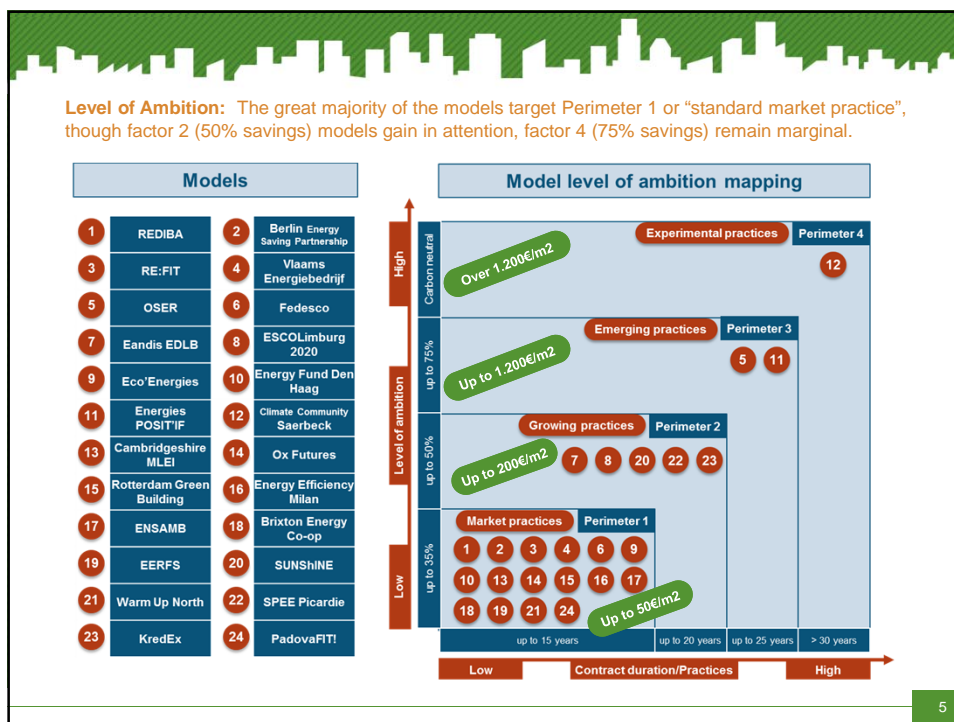
### In-depth study: What have we done?

- Analysis and comparison of 24 existing models addressing large scale and deep energy efficiency retrofit programs (including RES) involving public authorities across Europe (11 countries)
- Focus on:
  - Level of ambition
  - Implementation model
  - Operating model and services delivered
  - Sources of financing
- Provided guidance material to support local authorities in their search for financing of their EE and RES programs



**Models positioning:** Models involving facilitation are mainly financed via Financial Institutions or ESCOs while models using integration are mainly financed through the Program Delivery Unit (PDU) or an investment fund.

	Facilitator		Integrator		Financing only
	No aggregation	Aggregation	No aggregation	Aggregation	
Esco financing	REDIBA Eco'Energies EERFS	Berlin ESP RE:FIT VEB Rotterdam GB EE Milan PadovaFIT!	-	-	N/A
Financial institutions	REDIBA Eco'Energies EERFS	Berlin ESP RE:FIT VEB ENSAMB Energie POSIT'IF	Warm Up North	-	N/A
Program Delivery Unit financing	OSER	Fedesco Ox Futures	OSER	Fedesco Energie POSIT'IF Eandis EDLB EscoLimburg 2020 SPEE Picardie	N/A
Investment Fund	EERFS SUNShINE	-	-	EscoLimburg 2020 Cambridgeshire MLEI	Energy Fund Den Haag KredEx
Citizens financing	-	Ox Futures Brixton Energy Co-op	-	-	Climate Community Saerbeck



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## Some conclusions

- Success of models often correlated with the existence of
  - well-functioning Program Delivery Unit, and
  - clear leadership role of the public partner (ambition and willingness to invest)
- Lower ambition levels (<35% savings) mostly driven by:
  - Facilitation models
  - EPC/ESC implementation
  - ESCO and/or Financial Institutions financing
- Factor 2 (50% savings) and factor 4 (75% savings) ambition levels are very often “integration” driven, both technically as financially.
- High energy efficiency ambition levels (factor 2 and factor 4) do **not** focus on short to medium term pay-back terms (need other financing vehicle than ESCO or FI). In other words, profitability is only **one of the many** investment criteria

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# Thank you!

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