

BRAVE

Vision statement

The BRAVE partnership of 12 cities, regions, Business Support Organisations, and companies will scale up local energy solutions by developing new publicly-driven investment models that advance 'business readiness'

Achieving a green transition across Europe requires technically viable local energy solutions to scale across all regions in Europe.

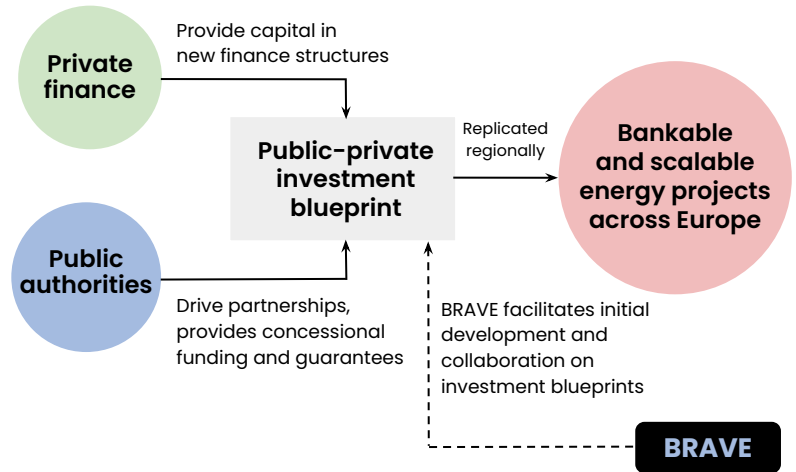
Making this happen requires new investment, which demands closer and more dynamic collaboration between:

- Energy project developers
- Enabling public authorities
- Private finance

To accelerate these partnerships, the BRAVE initiative is building six investment partnership blueprints for clean local energy solutions.

The aim is to design new ways to deliver clean energy, focussing on **bankability and scalability** as much as technical maturity – so that local solutions can be replicated in regions all over Europe.

Scaling clean energy: From one-off demonstrations to regional best practice



Investment Partnership Blueprints in BRAVE – An Overview

Location	Rotterdam, NL	Amiens, FR	Brabant, NL	Malmö, SE	Antwerp, BE	Aarhus, DK
Blueprint	City Scale-up Fund	Public E-bus Financing	Industrial H ₂ Hub	Smart Energy Community	Affordable E-heating	Municipal Rooftop Solar
Investment Structure	<p>Private finance</p> <p>↕ Debt, equity</p> <p>Local scale-up</p> <p>↕ Grants, advisory</p> <p>City of Rotterdam</p>	<p>KEOLIS</p> <p>↕ Transport operator</p> <p>Ametis transport</p> <p>↕ Public finance, regulation</p> <p>Amiens Metropole</p>	<p>Private finance</p> <p>↕ Public-private partnerships</p> <p>Project developer</p> <p>↕ Advisory, Public finance</p> <p>BOM BSO, Province Brabant</p>	<p>Private finance</p> <p>↕ Public-private partnerships</p> <p>Local energy solutions</p> <p>↕ Finance, ownership</p> <p>City of Malmö</p>	<p>Private finance</p> <p>↕ Public-private partnerships</p> <p>Local energy solutions</p> <p>↕ Advisory, Public finance</p> <p>Flux50, City of Antwerp</p>	<p>Publicly-owned SME</p> <p>↕ PPA, Public-private partnerships</p> <p>Private bank</p> <p>↕ Public-private partnerships guarantee</p> <p>City of Aarhus</p>
Ticket Size	€5–10m	€120m	€30m	€5m	€2m	€13m
Asset class	Mixed	Electric Mobility	H ₂ Hydrogen	Energy System	Residential Energy	PV Systems



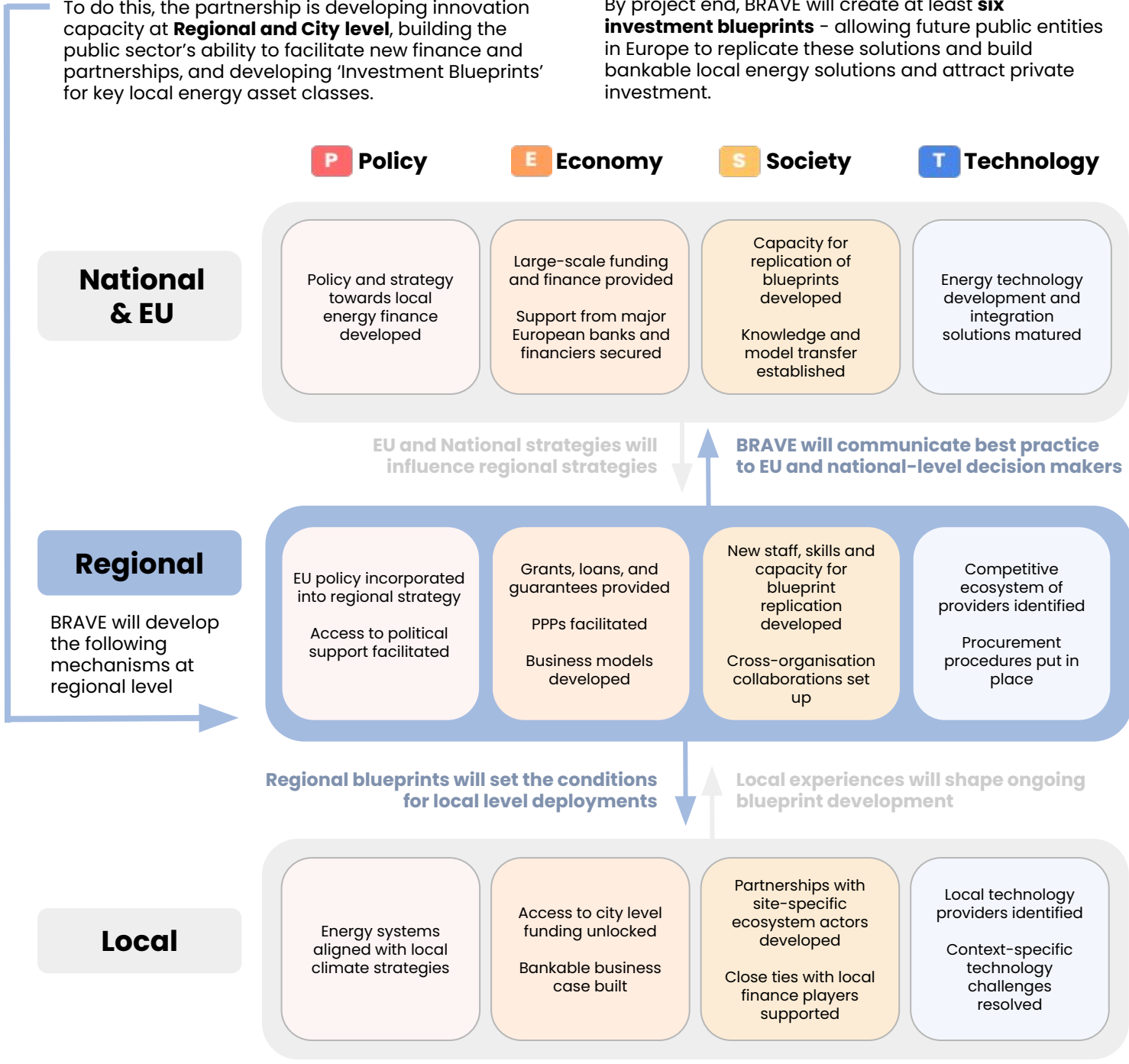
BRAVE's Theory of Change - Building regional business readiness

BRAVE aims to advance the **Business Readiness** of Europe's local energy solutions, taking them from publicly-funded single-site demonstrators to replicable models through new private investment.

BRAVE sites each explore a distinct combination of public-private partnership, financing, and support between local authorities, financial institutions, and local project developers.

To do this, the partnership is developing innovation capacity at **Regional and City level**, building the public sector's ability to facilitate new finance and partnerships, and developing 'Investment Blueprints' for key local energy asset classes.

By project end, BRAVE will create at least **six investment blueprints** - allowing future public entities in Europe to replicate these solutions and build bankable local energy solutions and attract private investment.



BRAVE's theory of change was developed and is being measured by Bax's Innovation Readiness Levels. The theory of change defines a multi-level, multi-domain approach to advancing Business Readiness of clean energy solutions. [Innovation Readiness Levels](#) © 2024 by [Bax](#) is licensed under [CC BY-NC-SA 4.0](#)





BRAVE's investment partnership blueprints for scale-up in full

The BRAVE partnership unites 12 partners across 6 countries to collaboratively deploy new models of project design, partnership, and financing to scale local energy systems from pilots to regional replication. BRAVE will demonstrate scalable financing models through over €150m investment mobilised across 6 European regions.

Regional BRAVE Mission

Blueprint developed



Rotterdam, NL

The City of Rotterdam will evolve its flagship scale-up support programme, facilitating new private investment towards success cases through partnerships with regional banks, development funds, and venture capital.

City Scale-up Fund

Scalable mix of subsidies and loans from a city authority and local bank to scale-up local innovators.



Amiens, FR

Pôle MEDEE and CD2E will facilitate scalable finance and partnership solutions between authorities and regional transport providers, replicating Amiens' successful €120m EV bus initiative across other cities.

Municipal Transport

Scalable financing and delivery model Between a city authority, local bank, and transport operator to replicate successful pilots.



Brabant, NL

Regional development organisation BOM will work with public and private developers to design a scalable investment model for a €30m industrial clean hydrogen hub.

Industrial Hydrogen Hub

Bankable energy, legal, and financing system design for industrial H₂ system.



Malmö, SE

The City of Malmö will explore how new business models for housing developers and energy solution providers can attract €5m of scalable private investment into smart urban energy systems.

Urban Energy Community

Scalable partnership model between city authority, housing developers, and grid operator.



Antwerp, BE

Flanders cleantech cluster Flux50 will facilitate the City of Antwerp and local ESCOs to design a €2m investment case for residential heat pumps in low-income apartments.

Affordable Heating

Scalable business models for public-private investment into low-carbon heating.



Aarhus, DK

The City of Aarhus will demonstrate how a combination of private bank loans and public guarantees can roll-out €13m of municipal rooftop solar and explores wider national replication.

Municipal Solar

Scalable loan-guarantee finance model between a municipality and private bank.

BRAVE | Interreg North Sea Co-funded by the European Union



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