ELENA Facility

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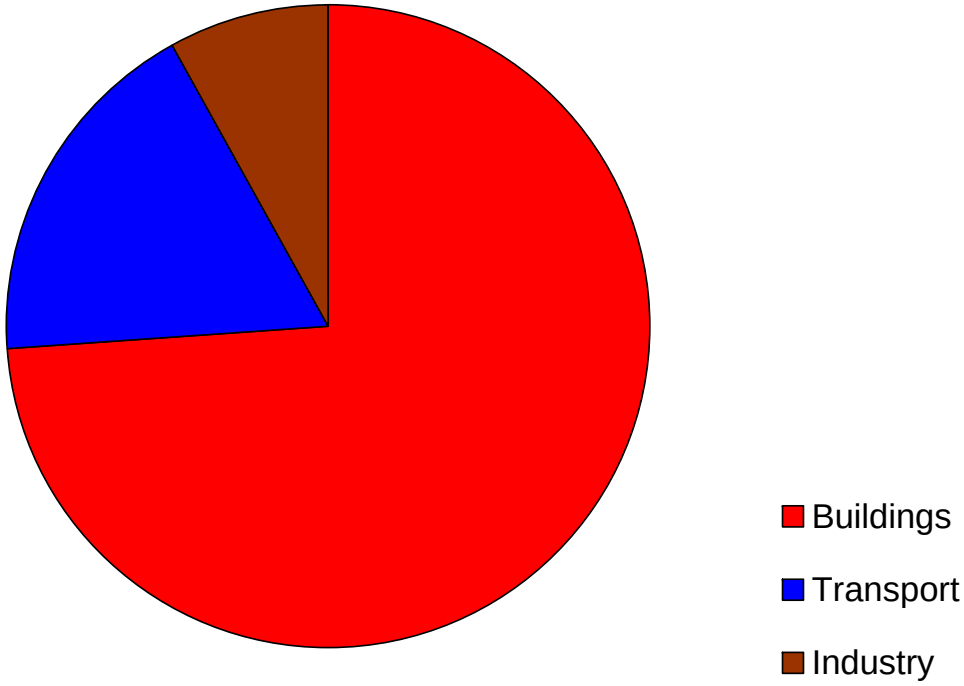
Renewable Energy & Energy Efficiency Division

European Investment Bank

Brussels, 14 April 2011



CO_2 emissions in Brussels

Urban areas are responsible for 70% of energy consumption in EU.

Buildings sector is the main energy consumer in EU.

EC-EIB cooperation to support local and regional authorities to reac
20-20-20 targets.

Link to Covenant of Mayors.

Funds provided by DG ENERGY under (CIP/IEE II programme).

Managed by EIB.

Only Public Bodies from IEE countries can apply.

Grants to prepare investment programmes covering up to 90% of eligible costs.

Area: Renewable Energy and Energy Efficiency.

Sector: buildings, transport, urban infrastructure.

3 years to implement the programme.

Minimum leverage factor of 25 (to be verified at the end of the financing period).

Replication potential (innovative solutions, minimum project size of 50 MEUR).

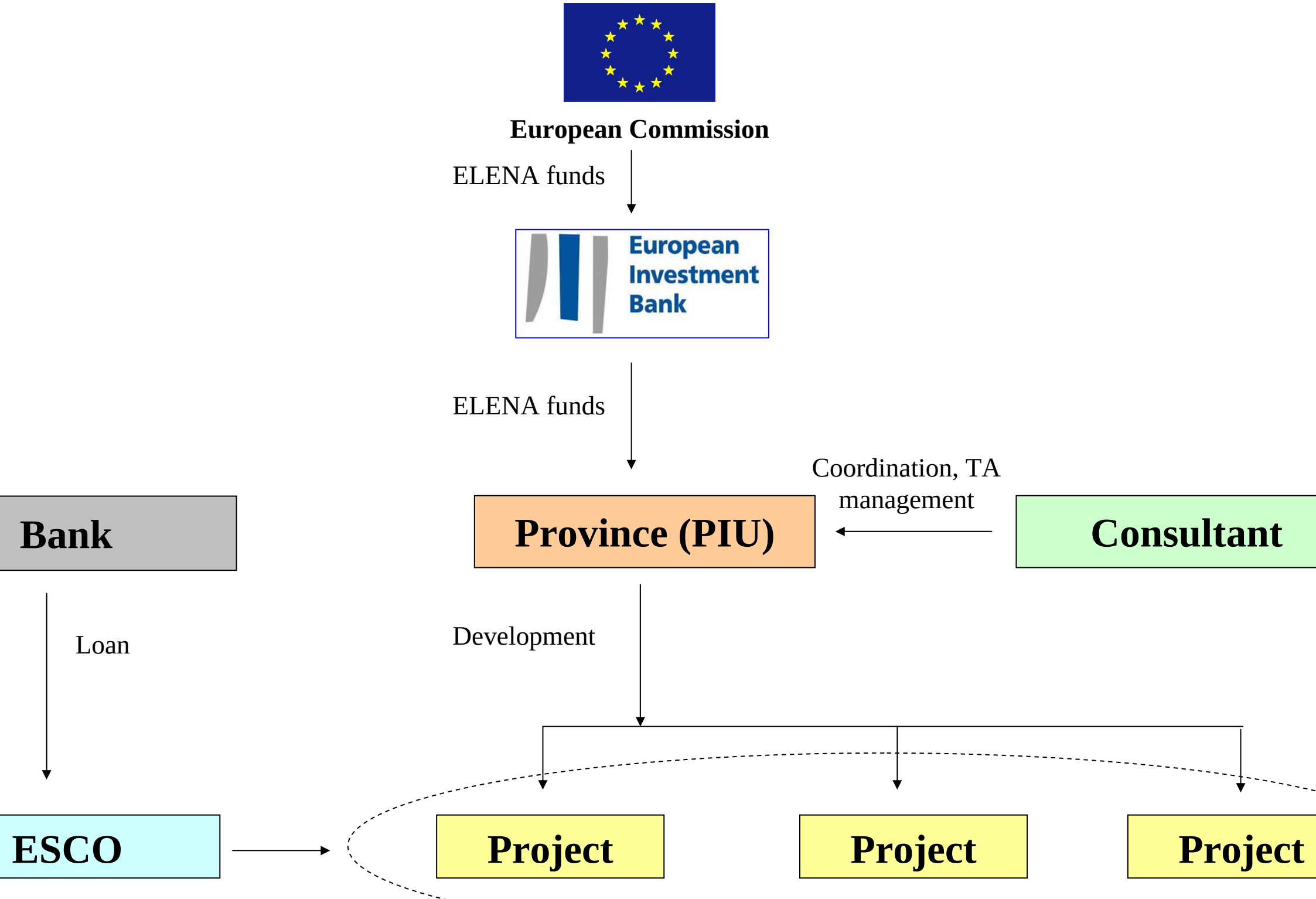
ELENA
ject Development Services)

port to Final Beneficiaries with:

fine Feasibility studies
siness Plans
chnical studies (energy audits)
ocurement/tendering/contracting
ditional technical staff
nancial structuring

INVESTMENT PROGRAMM

- **EE and RES investments** public and private buildin including social housing a street and traffic lighting
- **DH networks**
- **Decentralised CHP**
- **Urban transport** to supp increased energy efficie and integration of renewa energy sources
- **Local energy infrastruct** to support developments these sectors


European Commission
ELENA funds
European Investment Bank
ELENA funds
Coordination, TA management
Bank
Province (PIU)
Consultant
Loan
Development
ESCO
Project
Project
Project

Beneficiary	Country	Sector	Total Invest
rov. of Barcelona	Spain	EE/RES	500,000
rov. of Milan	Italy	EE	90,000
tadtsverwarming of Purmerend	Netherlands	DH/CHP	98,000
ity of Paris	France	EE	180,000
undación Movilidad Madrid	Spain	Electric Vehicles	53,400
reater London Authority	UK	EE	94,738
ila Nova de Gaia	Portugal	EE/ PublicTransport	73,651
AFNI	Greece	RES	52,820
ity of Malmö	Sweden	Public Transport	170,500
ransports Metropolitans de Barcelona	Spain	Public Transport	163,880
reater London Authority	UK	EE	114,950

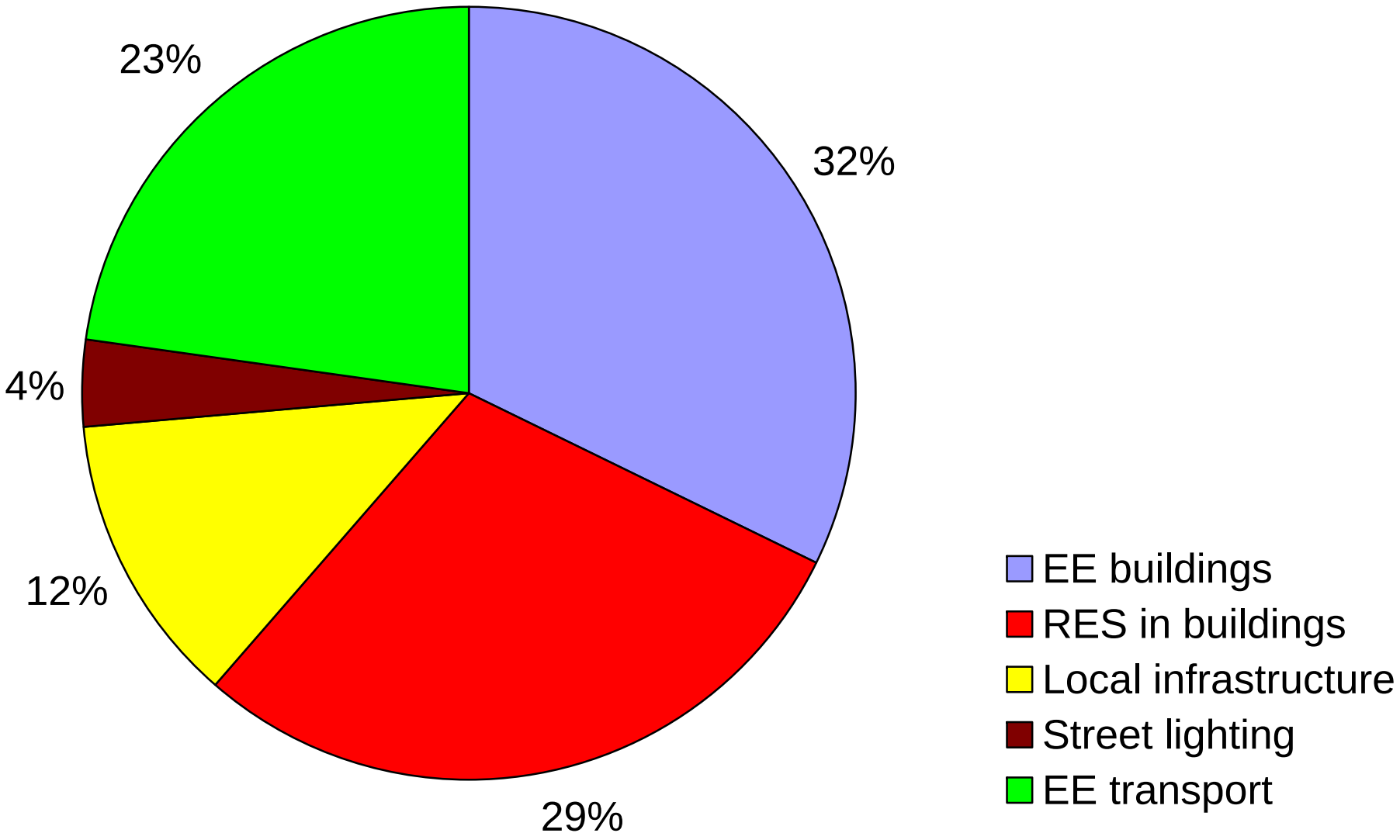
al TA: 21 MEUR

al investments: 1.6 BEUR

rage TA: 1.8 MEUR/project

leverage factor: 77

ilable budget: 30 + 19 MEUR


23%
32%
4%
12%
29%
EE buildings
RES in buildings
Local infrastructure
Street lighting
EE transport

The production of **energy from renewable sources: 404 GW annually** (*Anderlecht municipality yearly electricity consumption*).

Energy savings: 625 GWh annually.

The total emissions of **CO_2 avoided: 371,900 tons annually** ov the ELENA project duration (*industrial emissions in Brussels*).

Direct and indirect **jobs created** during the implementation and l time of the investment programmes: **25,400 person-years**.

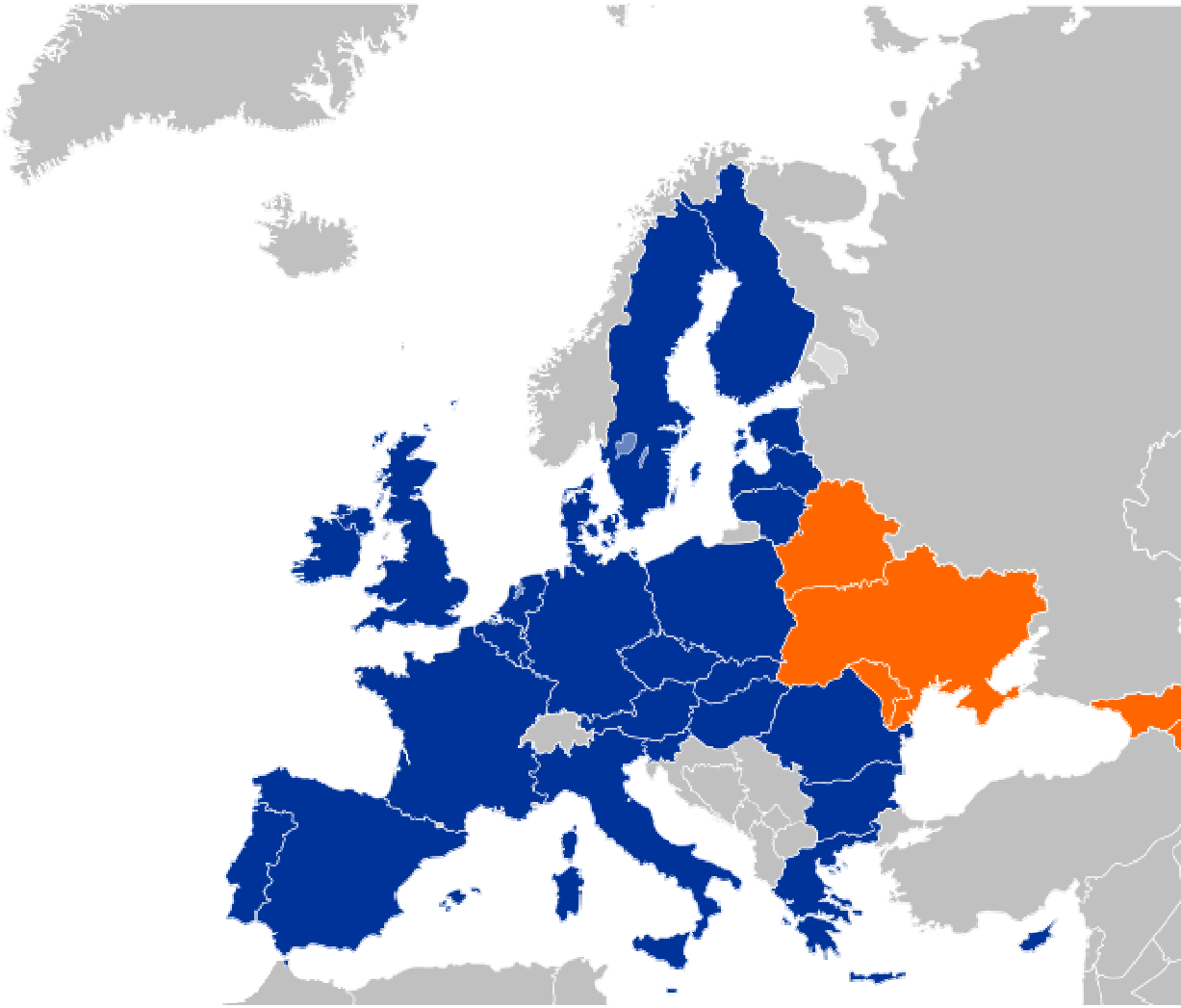
cities of the region have joined Covenant of Mayors, e.g.:

Tsakhkadzor (Armenia),

Tbilisi (Georgia),

Antonesti (Moldova),

Lviv (Ukraine).



st promising sectors:

Buildings,

District Heating,

Urban Transport.

Barriers:

- Limited borrowing capacity,
- Low financial profitability of E and RE projects (low energy prices).

Large EE and RE investment programmes in urban areas a
needed to meet energy and climate change goals.

The EE potential in EPCs is huge.

Many EPC cities have already joined Covenant of Mayors.

A TA facility like ELENA alone will not be sufficient to levera
investments in EPCs.

A combination of TA, financing and grants is needed to untap t
potential.

Thank you for your attention

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