

*Energy and climate policy  
plans for 2050 at local level*

**PROSPECT 2030**

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# About the project

Project title | Putting regions on track for carbon neutrality by 2050 — C-TRACK 50

Funding: | European Union's Horizon 2020 Research and Innovation Programme



# Background

- ▶ Ambitious long-term EU climate and energy targets, promoting carbon neutrality by 2050.
- ▶ Local and regional authorities can play a decisive role in the attainment of these targets.
- ▶ C-TRACK 50 will support local and regional authorities in their energy and climate policy planning, contributing considerably towards **achieving the 2030 and 2050 EU energy and climate targets.**

- ✓ Supporting public authorities to foster local integrated energy, transport mobility and land-use planning.
- ✓ Supporting public authorities to foster multi-level governance.

# Objectives

## Aim:

- ✓ Mobilization and guidance of public authorities in defining long-term energy policy priorities,
- ✓ Promotion of multi-level governance and
- ✓ Support of regional and local authorities in developing, financing and implementing ambitious integrated sustainable energy and climate policy action plans in order to achieve climate resilience and carbon neutrality by 2050.

Carbon neutrality term is used in order to describe a minimum target of 80% CO<sub>2</sub> emission reduction at the domestic level, by promoting mainly the use of Energy Efficiency and RE technologies, allowing for the surplus to be addressed by national policies and the purchase of carbon credits, in line with each national framework.

# Energy and climate policy plans for 2050 at local level

## ► 10 local municipalities have been selected:

Bedő (No. of inhabitants: 307), Bojt (608), Körösszakál (833), Szentpéterszeg (1216), Furta (1179), Újszentmargita (1591), Görbeháza (2366), Nagyhegyes (2714), Hajdúböszörmény (31 224), Hajdúszoboszló (23 781)

## ► Main parts of Energy and Climate Policy Plans 2050:

- Baseline emission inventory (base year: 2011) – Public, private sectors
- Climate: Risk and vulnerability analysis
- Mitigation actions for 2030, 2040, 2050
- Adaptation actions for 2030, 2040, 2050
- Monitoring

# Results - CO<sub>2</sub> emission reduction targets (%)

	2030	2040	2050	Total budget (Million EUR)
Bedő	11.18	32.21	80,78	1.78
Bojt	20.52	43.45	89.75	2.09
Furta	13.40	30.90	88.00	7.29
Görbeháza	23.00	42.70	81.70	12.98
Hajdúböszörmény	14.86	45.22	80.67	498.18
Hajdúszoboszló	23.70	50.90	80.60	182.80
Körösszakál	9.60	33.80	99.50	4.83
Nagyhegyes	14.38	40.13	82.45	10.75
Szentpéterszeg	17.27	37.02	82.23	8.64
Újszentmargita	16.80	39.20	83.19	10.72

## Main actions: public sector:

- Energy management registration system
- Renovation of municipal buildings
- Installation of RES (PV, biomass, solar thermal)
- LED lights

## Main actions: private sector:

- Renovation of private buildings
- Installation of RES (PV, biomass, solar thermal)

## Energy communities, energy cooperatives:

- PV park (0.5 - 2 MW)

**Thank you for your  
attention!**

**Any question?**

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**<http://www.c-track50.eu/>**