

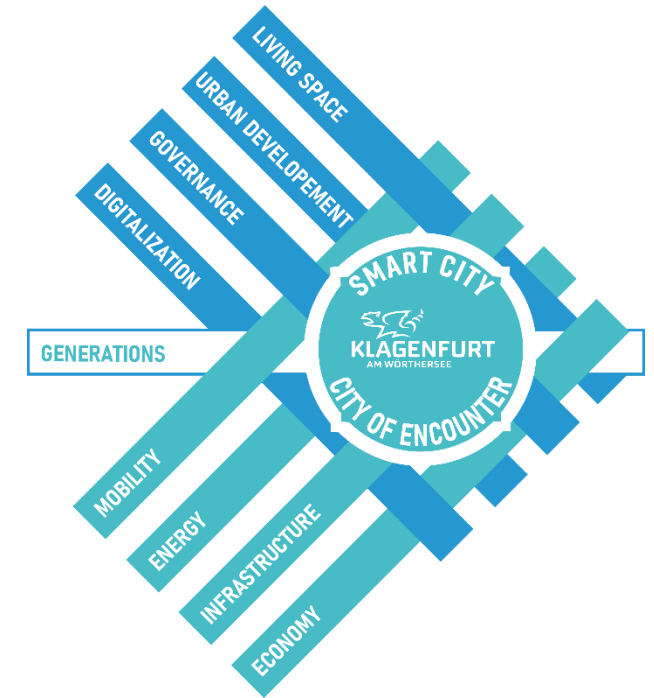


# EU-Cities-Mission 2030

## Significance and opportunities for Klagenfurt and Carinthia

# Klagenfurt on Lake Wörthersee

## On the way to Climate-neutrality



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Wörthersee*

# EU MISSIONS

100 CLIMATE-NEUTRAL AND SMART CITIES



28 April 2022

## MEET THE CITIES

### OBJECTIVES OF THE EU CITIES MISSION

- 100 **climate-neutral** and **smart cities** by 2030
- Ensure that these cities act as **experimentation and innovation hubs** to put all European cities in a position to become climate-neutral by 2050

### SELECTED CITIES

- 100 EU cities
- 12 cities from countries associated to Horizon Europe, the EU's research and innovation programme (2021-2027).



Cities from every Member State



Capital cities



Small, medium, large cities

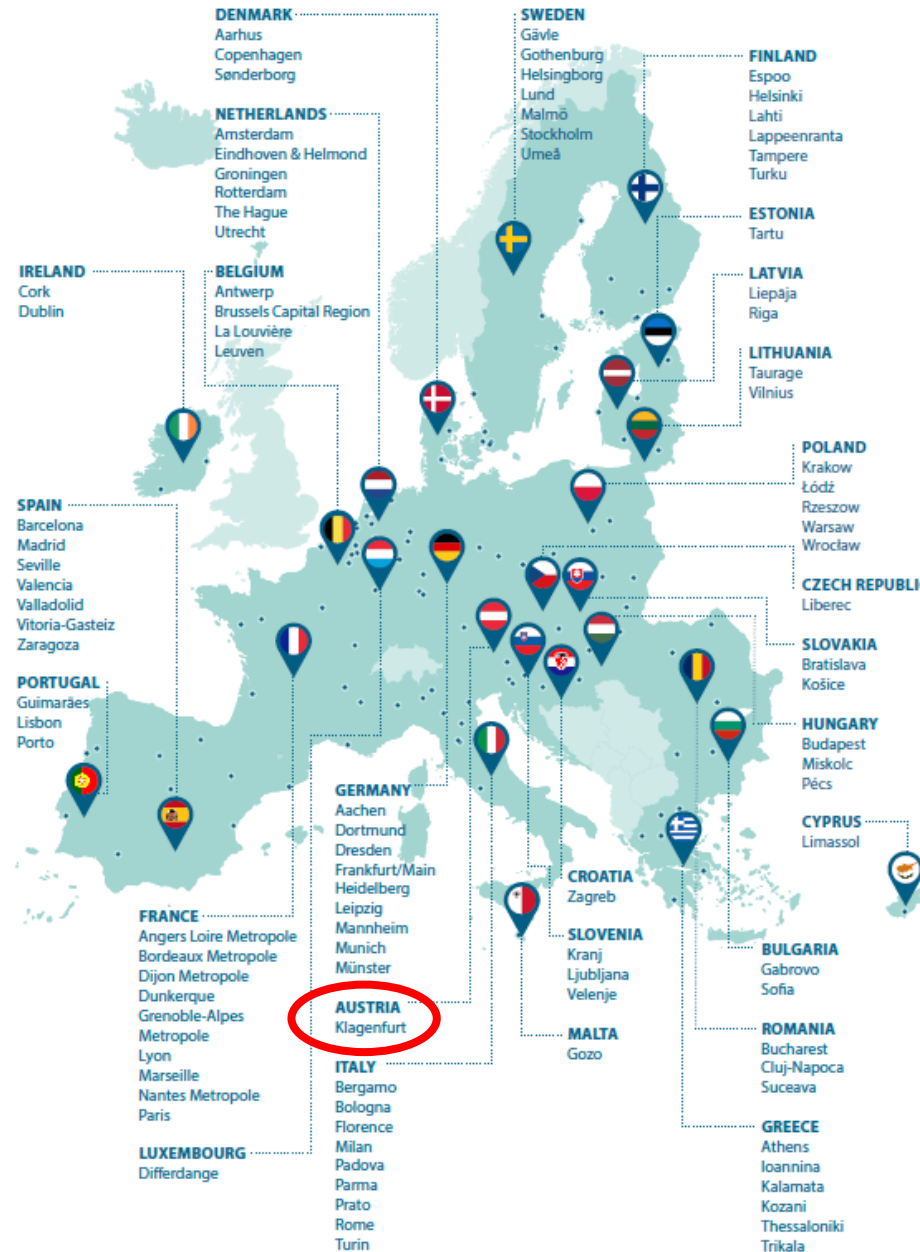


Frontrunners and less prepared cities

### BENEFITS FOR CITIES

- **Tailor-made advice and assistance** from the Mission Platform (managed by the [NetZeroCities](#) consortium)
- Unlocking additional **funding and financing opportunities** through a Mission label
- **Research & innovation funding opportunities** for cities to join large innovation actions, pilot projects and demonstrations (total budget from Horizon Europe for 2021-2023 is €360 million)
- Support through a national **coordination network**
- Networking opportunities, **learning and exchange of experiences** among cities
- Support with **involving citizens in decision-making**
- **High visibility** – raised political profile and attractiveness for investment and skilled workers

## EU CITIES



and environmental protection

*City Senate resolution on 21.12.2021  
Municipal council resolution on 30.12.2021*

**Surcharge on 28.04.2022**

# Smart City Strategy Version 6.2



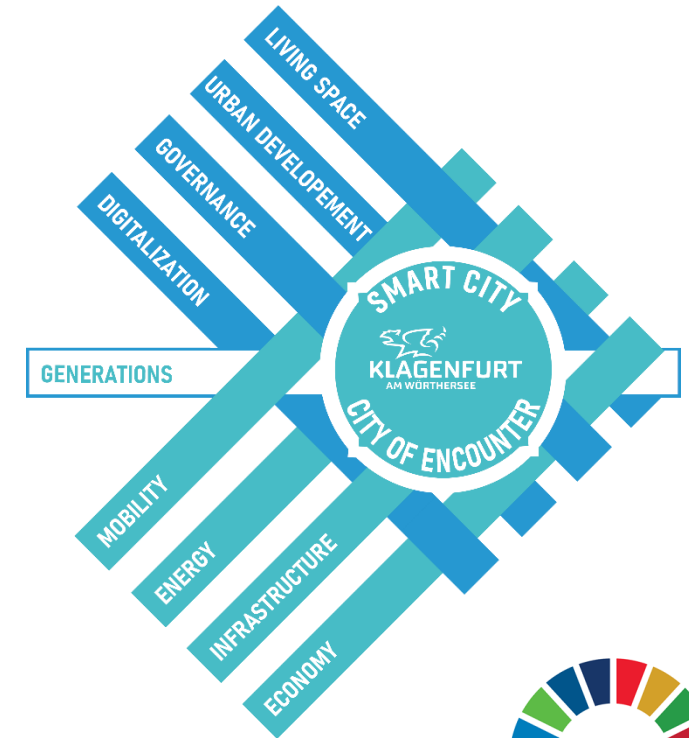
Department climate- und environmental protection

## Vision

Smart City Klagenfurt on Lake Wörthersee is an emission-neutral, energy-efficient and resource-saving living space with a high urban quality of life and responsible citizens, which is very well connected in the Alps-Adriatic region.

Climate protection goals Klagenfurt	
-70% CO <sub>2</sub> bis 2030	- 83%
-90% CO <sub>2</sub> bis 2040	

- 1 core team (Stadt und STW)
- 9 fields of action
- 9 working groups
- 58 ~~42~~ experts
- 236 ~~184~~ measures

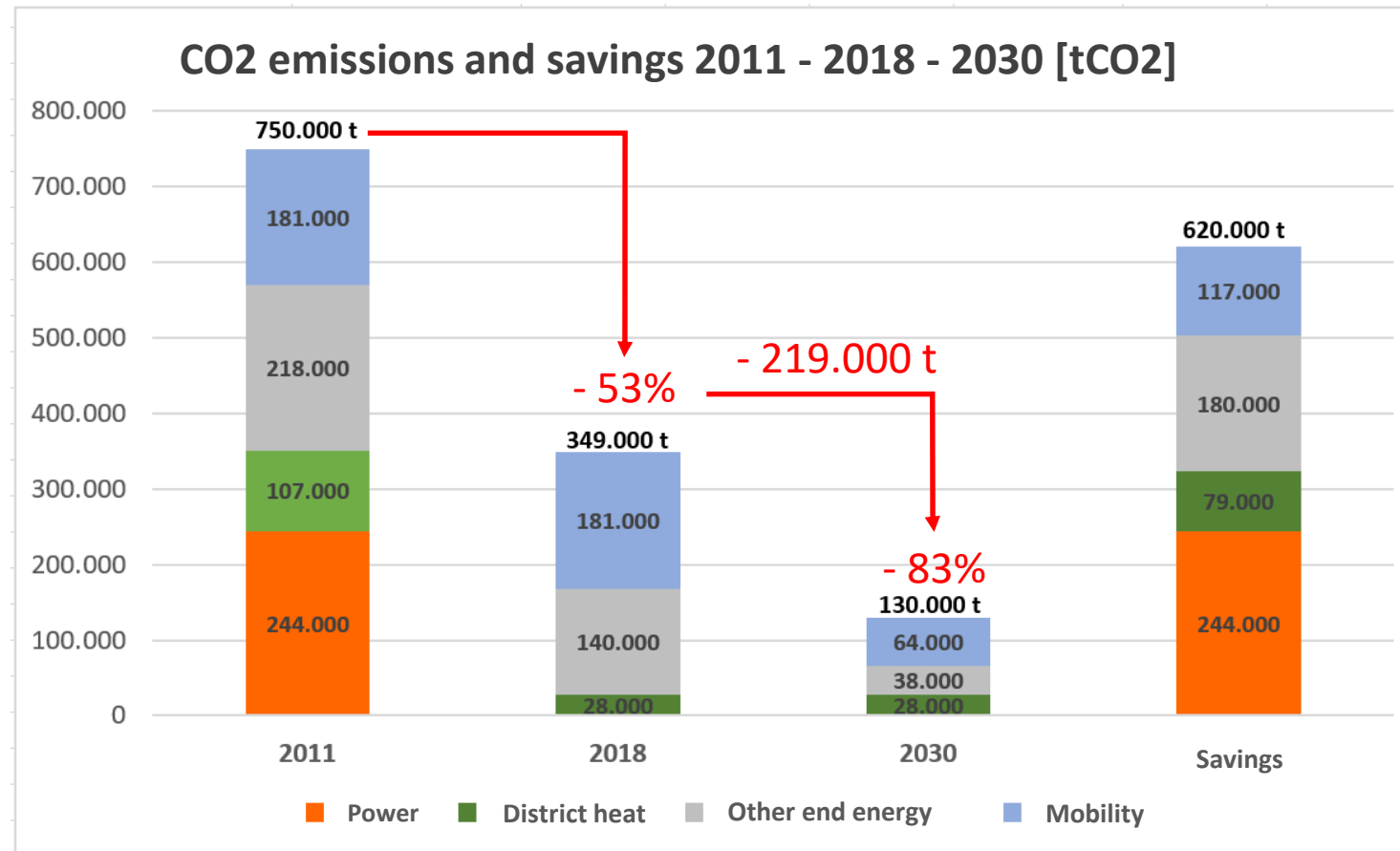


At the same time, a good quality of life for the population and future generations should be further improved and sustainably secured.

*City Senate resolution on 20.04.2021  
Municipal council resolution on 25.05.2021*



# Pathway to climate neutrality 2030



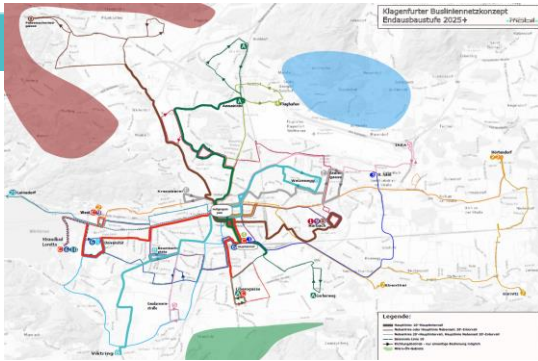
Calculations according to the COM method (Covenant of Mayors)

# Smart City Key projects to achieve climate neutrality (83%)

**-219.000 t CO<sub>2</sub>**



KEBIP (Klagenfurt Electric Bus Investment Project); 10-Min.-interval 55000 t



Building renovation; 54000 t

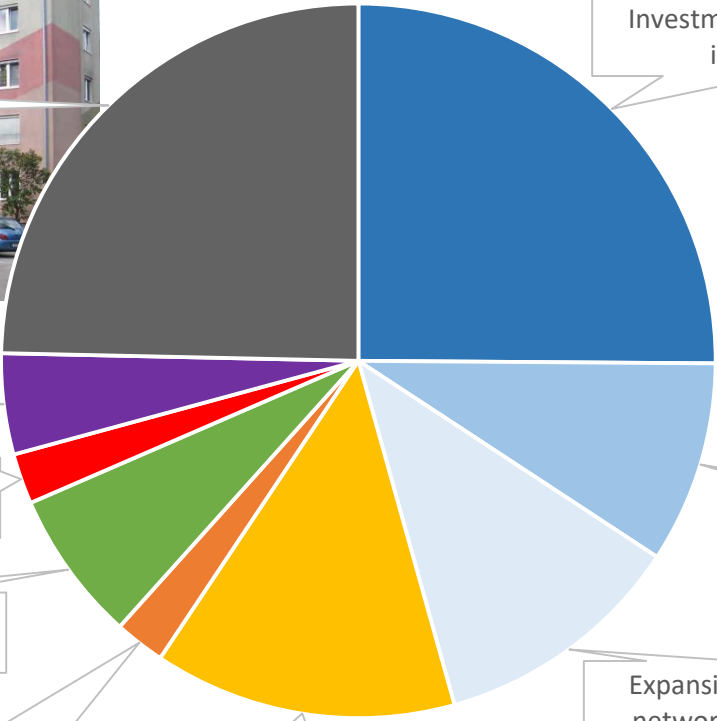


Smart City Offensive with the economy; 10000 t



Smart City target areas; 5000 t

Expansion of district heating; 15000 t



Change in mobility behaviour, bike and e-car sharing; 20000 t



Expansion of e-charging network; e-mobility for individual and delivery traffic; 25000 t



District cooling; 5000 t

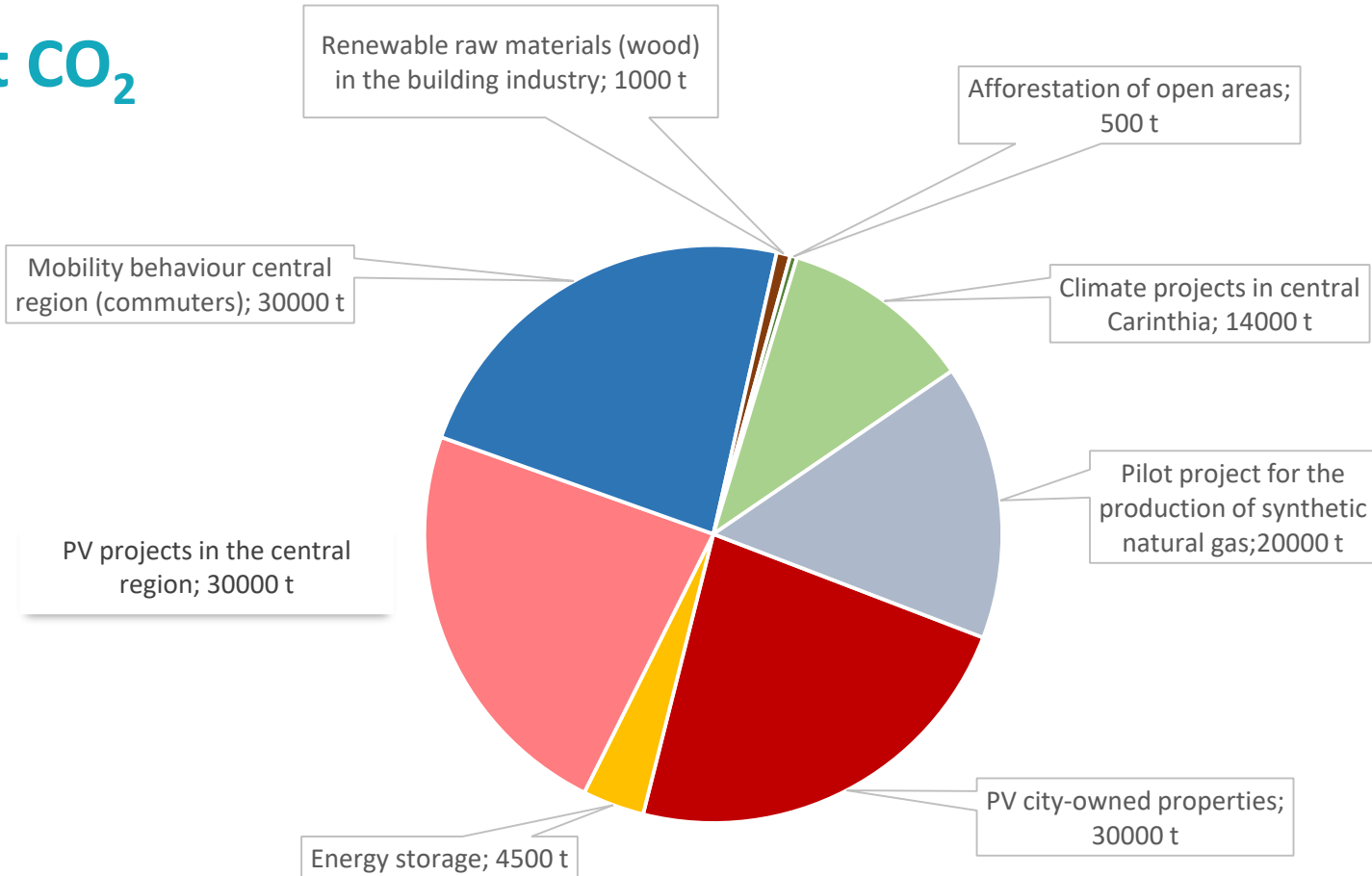


Substitution natural gas/green gas; 30000 t

21.12.2022 LPD Kärnten/Bauer

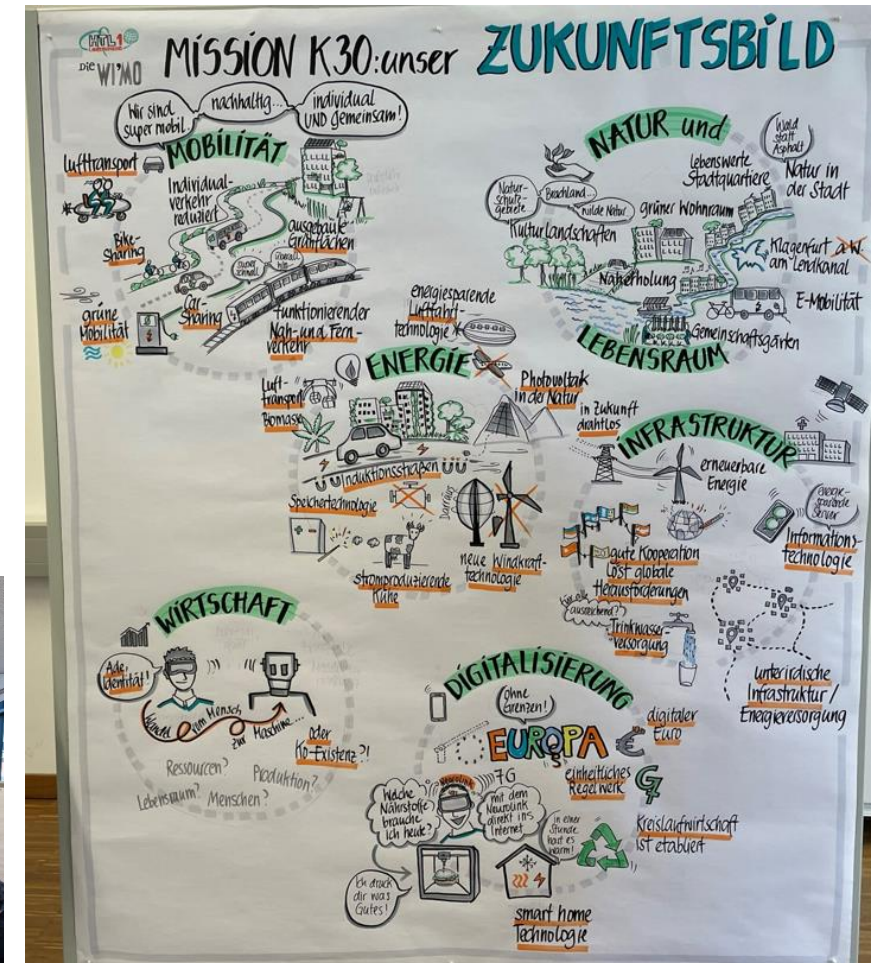
# Compensation measures to achieve climate neutrality (17%)

## -130.000 t CO<sub>2</sub>



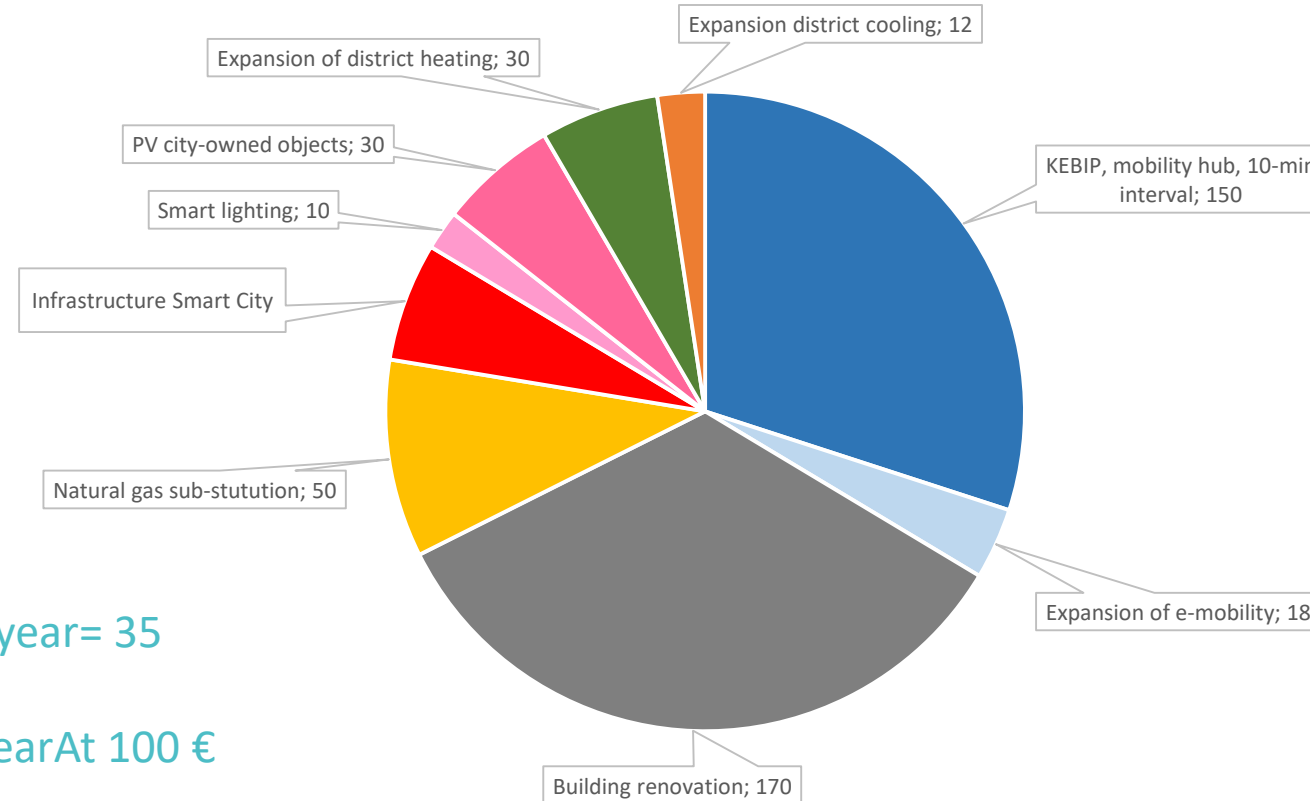
# Accompanying measures

- **Creation of green spaces** (roof and façade greening, unsealing, sponge city, trees....)
- **Participation** (e.g. citizen participation, citizens' advisory council....)
- **Digitalisation** (broadband expansion, digital twin, smart public lighting....)
- **Social innovations** (e.g. community nursing, social space coordination...)



# Investments (in € million)

500 Mio €



350,000 t CO2 savings per year= 35

million € CO2 credits per yearAt 100 €

per t CO2



# Achievable CO2 savings by 2030

**For the period 2021 - 2030:**

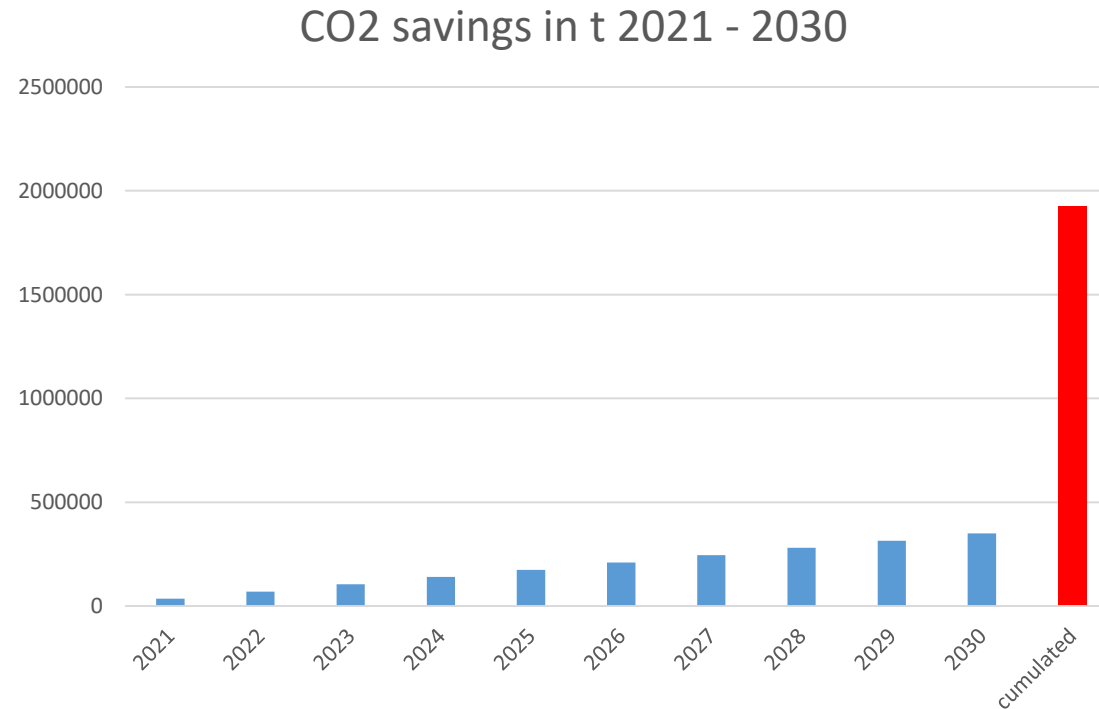
According to the Federal Audit Office  
2021

Federal penalty payment: € 9,214 million  
Penalty payment Land: € 117 million

Basis: 100 € / t CO2

**350,000 t CO2 savings per year**  
**= 35 million € CO2 credits per year**

**Cumulated 2021 -2030**  
**1.925 million t CO2 savings**  
**= 192 million €**



# Significance and opportunities of the EU Cities Mission

- **Pioneering role** in EU and AT
- **Access** to special **funding programmes** (national and EU), not only for Klagenfurt but also for cooperation partners and projects outside of Klagenfurt (compensation !)
- **Smart City Lab**: competence building for project development and implementation, cadre training for funding management and climate protection projects
- **Cooperation** with companies and science (also outside Klagenfurt)
- **Living Lab** for innovative climate-neutral products and services
- Official **monitoring** for achieved CO2 savings and SDGs
- Achievement of **climate goals** for Carinthia
- Synergies with projects of the province (e.g. Campus 2050), logistics centre Fürnitz
- Increased **participation** of citizens
- Increased **cooperation** with the federal government, the province and the municipalities in the central region of Carinthia
- **Positioning** as a **climate-neutral region** with international appeal and attraction



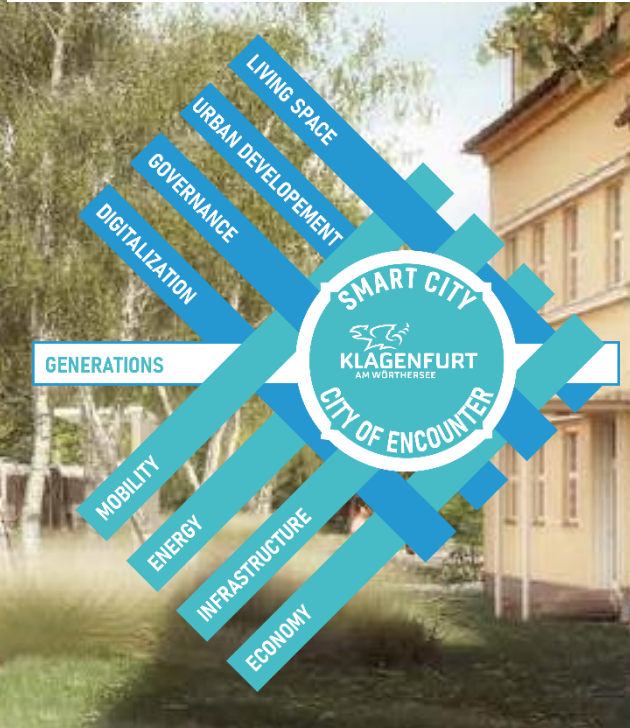
# Milestones of the EU Cities Mission

- 28.04.2022, award of contract for participation in the EU Cities Mission
- 01.11.2022, Austrian pioneer city, contract with BMK for competence development (€ 2 million over 5 years)
- Establishment of **Smart City Lab** (Bahnhofstraße 19), opening May 2023
- 28.03.2023 City Senate resolution: Climate Neutrality Commitment to the EU Cities Mission
- 30.03.2023, submission (City - European Commission) with investment plan and action plan for climate neutrality 2030 **Climate City Contract** (= Smart City Strategy 7.0)
- **Implementation of projects from the Smart City Strategy**  
(public transport 10-minute intervals, PV, e-mobility, HiHarbach with social space coordination, community nursing, climate-friendly HGP, master plan for walking, master plan for cycling, Smart City target areas, urban development contracts, participation, GreensChoolEnergy, E3@SCHOOL , **phasing out oil and gas firing**, ..... ) **currently 12 new funding applications**
- Key project **KEBIP 2.0 (Klagenfurt Electric Bus Investment Project)**:  
**Total costs 144 million incl. infrastructure, commissioning at the end of 2025**  
EBIN (€44 million committed) and EIB (€72 million loan under negotiation), further subsidies possible, first tender for e-buses underway, talks with federal and provincial governments on financing.



The answer to climate change lies in the **Smart City Strategy Klagenfurt**.

**Smart City Klagenfurt** sustainably secures the **quality of life** for our children, grandchildren and great-grandchildren.



The EU's **Climate Neutrality 2030** mission is achievable, and much of it can be extended to Carinthia.

The key project **KEBIP** makes climate neutrality visible for the first time.

