

POTEnT
Interreg Europe



European Union
European Regional
Development Fund

Energy transition in Växjö, Sweden

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2007: Växjö - The greenest city in Europe



But we started much earlier...



Växjö
kommun

- 1970** Restoration of Lakes
- 1980** Bio-energy district heating
- 1996** Climate decision – Fossil Fuel Free
- 2007** The greenest city in Europe
- 2018** European Green Leaf Award
- 2019** Sustainable Växjö 2030



From fossil community to bio-community, benefits

- Energy security
- Local economy
- Climate
- City branding





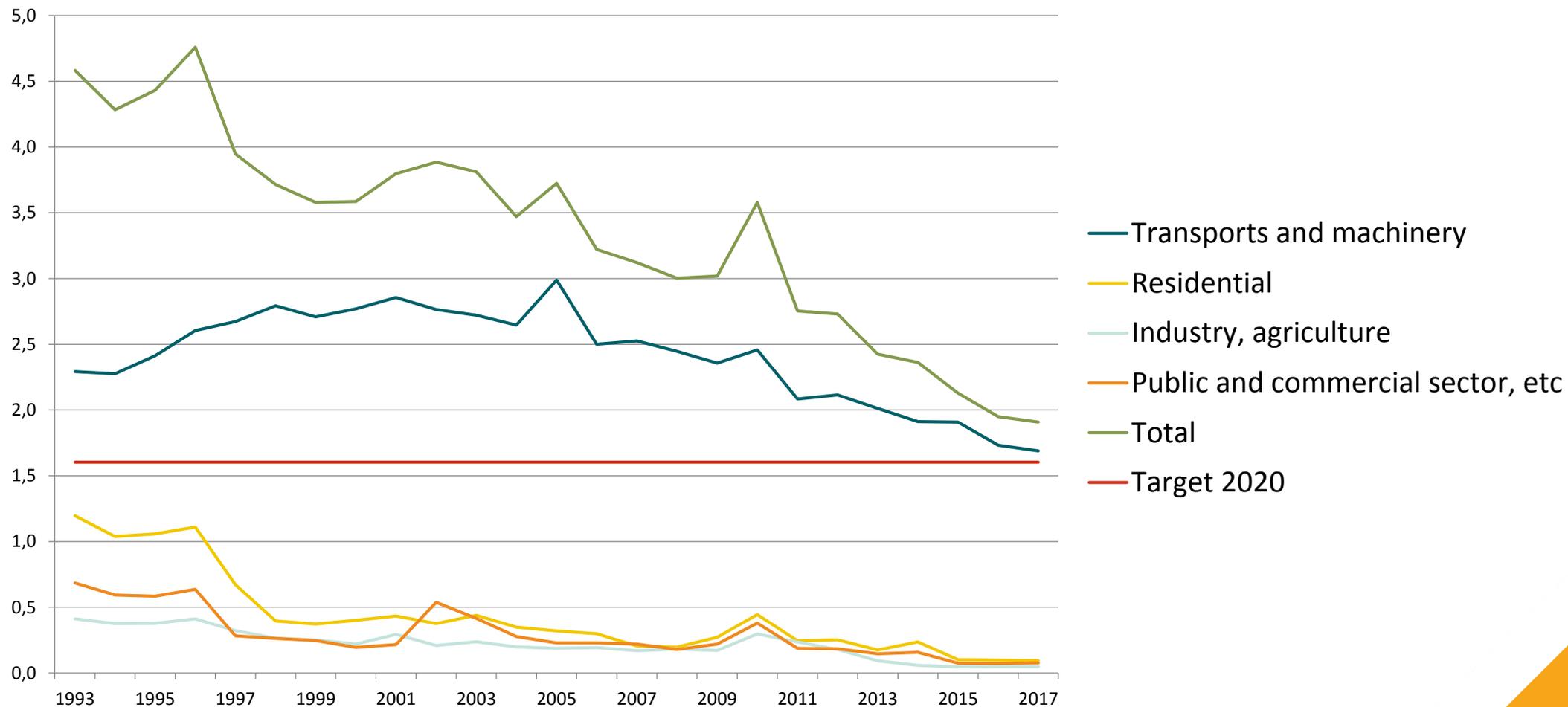
Fossil fuel free Växjö

- Unanimous decision 1996
- To be achieved 2030

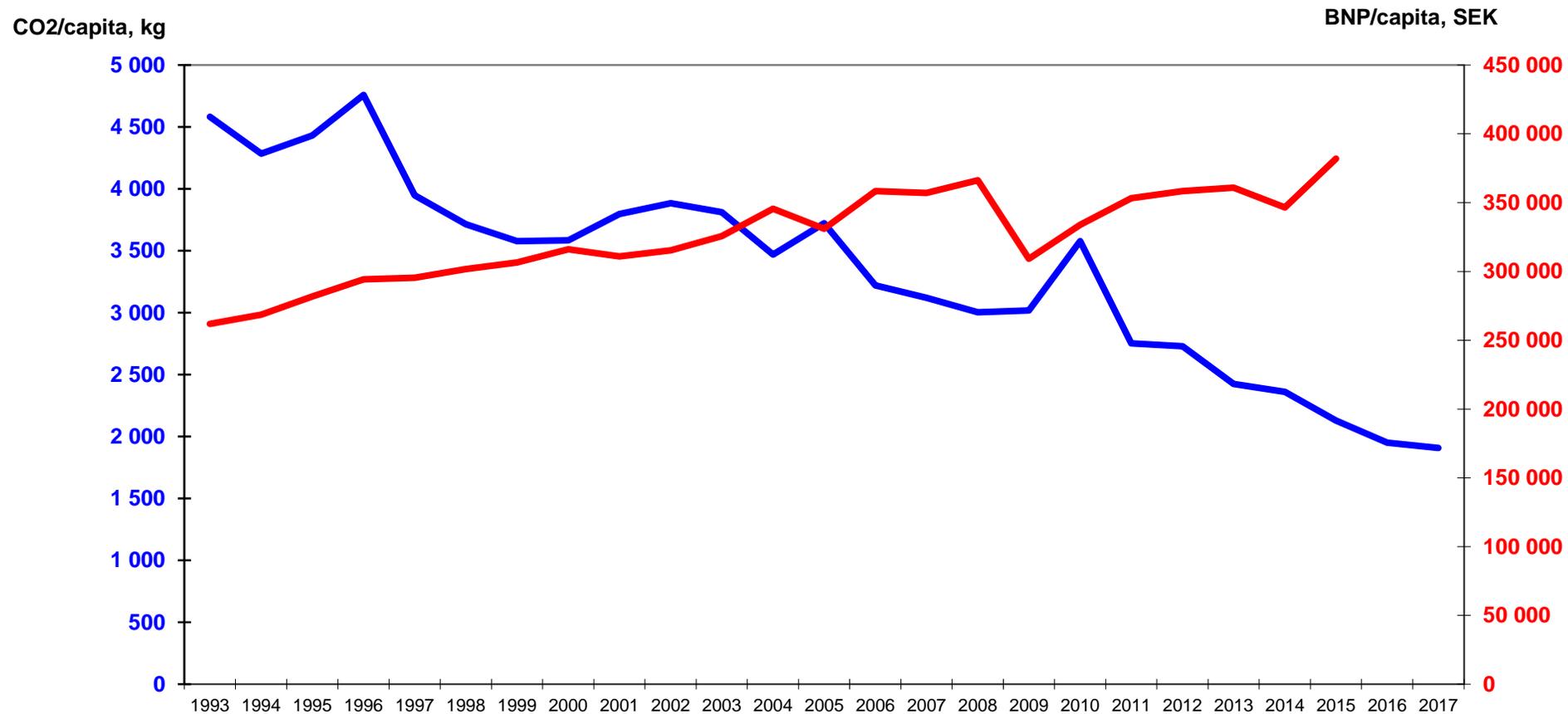


CO₂ emissions, ton/capita

-59,1% 1993-2018



CO₂ emissions and economic growth





Reasons for success



Wooden buildings





Combined heat and power plant Sandviksverket

A photograph of a dense forest with tall, thin trees. Sunlight is streaming through the trees from the left, creating a hazy, golden glow. The ground is covered in green undergrowth. The text is overlaid in the center of the image.

**VÄXJÖ ENERGI –
FRONTRUNNER FOR A
SUSTAINABLE FUTURE**

MISSION

To create sustainable development and business benefits in the Växjö region

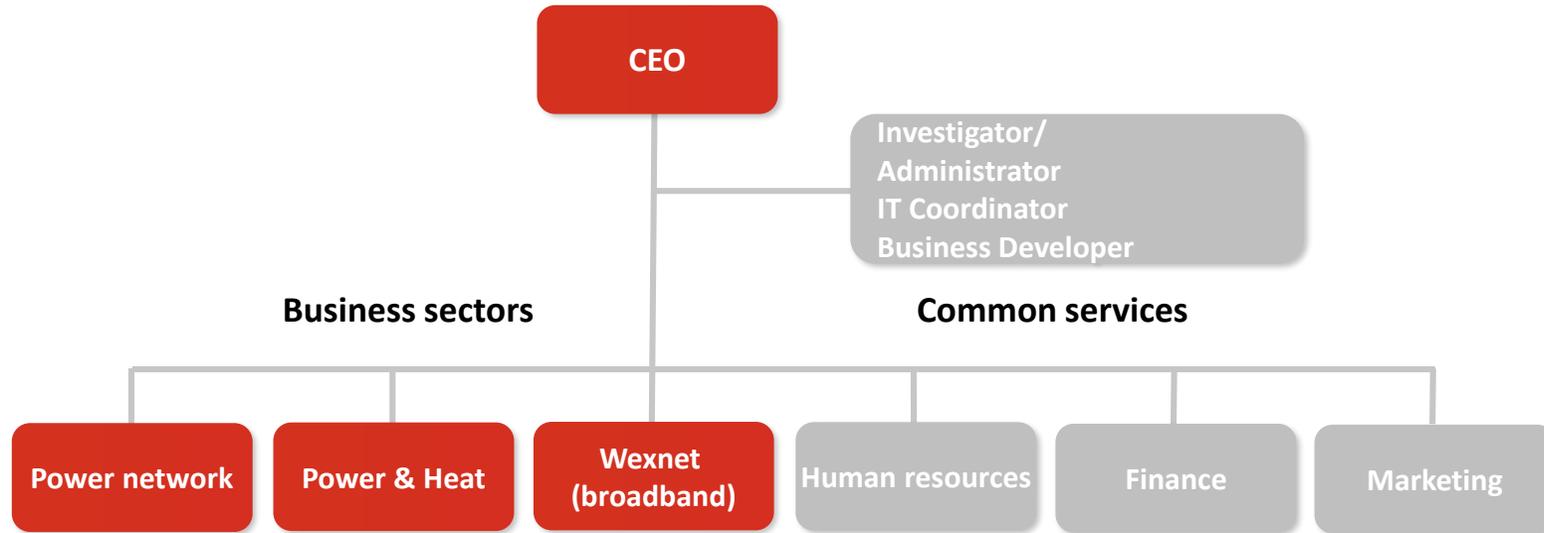


VÄXJÖ ENERGI

- 100% owned by Växjö Municipality.
- Three main business areas: Power and Heat, Power network and Broadband.
- 40,000 customers.



THE VÄXJÖ ENERGI ORGANISATION

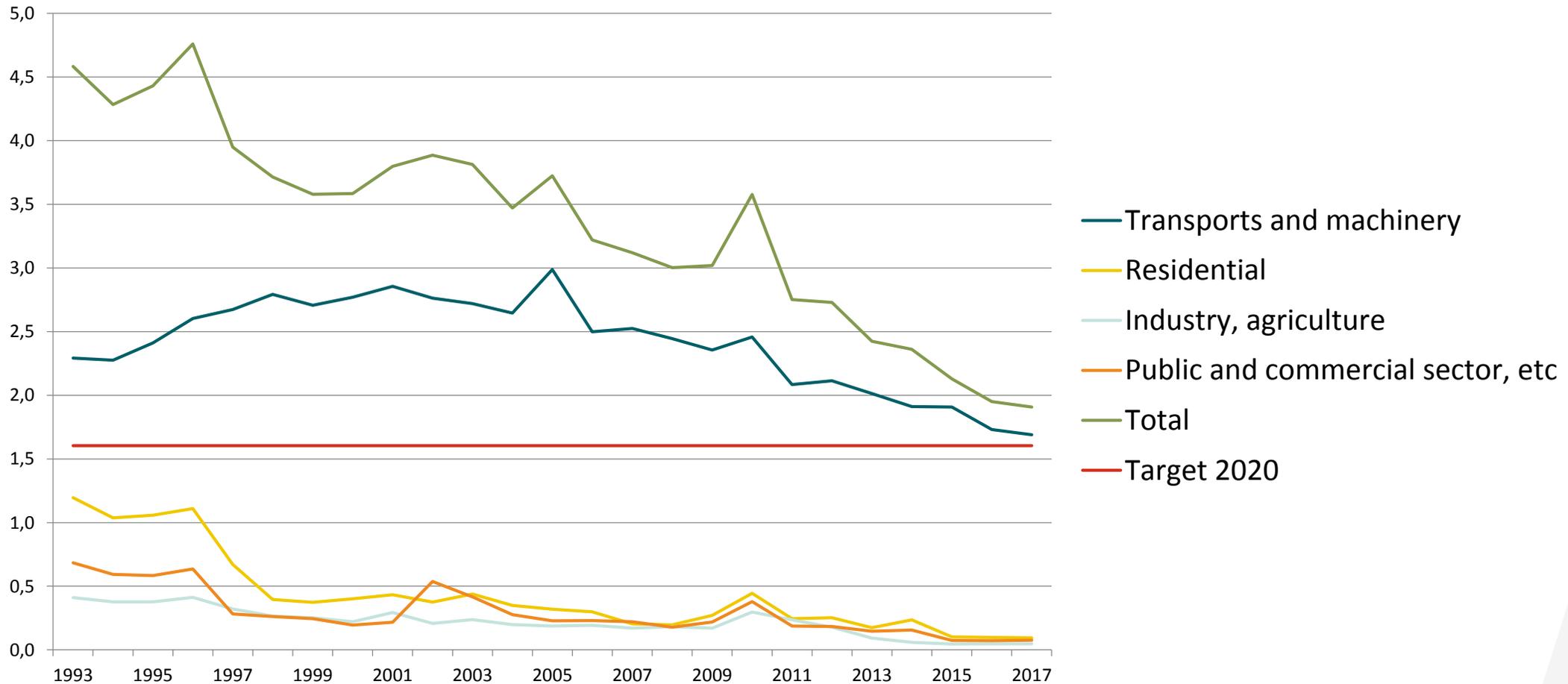


POWER AND HEAT

- Generation of renewable district heating/cooling and electricity.
- Using 100 % renewable bio energy:
 - Logging residues such as branches and tops.
 - Wood chips.
 - Bark.
 - Shavings.

CO₂ emissions, ton/capita

-59,1% 1993-2018



REDUCE TRANSPORT EMISSIONS

- Biogas production sewage plant
- We are investing in the charging station infrastructure for e-vehicles.
- Future hydrogen gas production?
- Future bio jet production?



VEAB
VÄXJÖ ENERGI

**KÖR PÅ GRENAR
OCH TOPPAR.
VI BJUDER!**

Biobränsle är ett av få energislag som kan klara av det framtida samhällets krav på hållbarhet. Vi på Växjö Energi producerar i stort sett all fjärrvärme, fjärrkyla och el med träbränslen. Till största delen är det träflis, bark och spån samt avverkningsrester som grenar och toppar.

Vi vill tacka dig för att du väljer VEAB i din miljö. Och att vi tillsammans kan nå visionen om ett hållbart samhälle.

REDUCTION OF FOSSIL POWER GENERATION

Biomass generation

Wind power



Source: Bo Hjälme fjord, Wikipedia

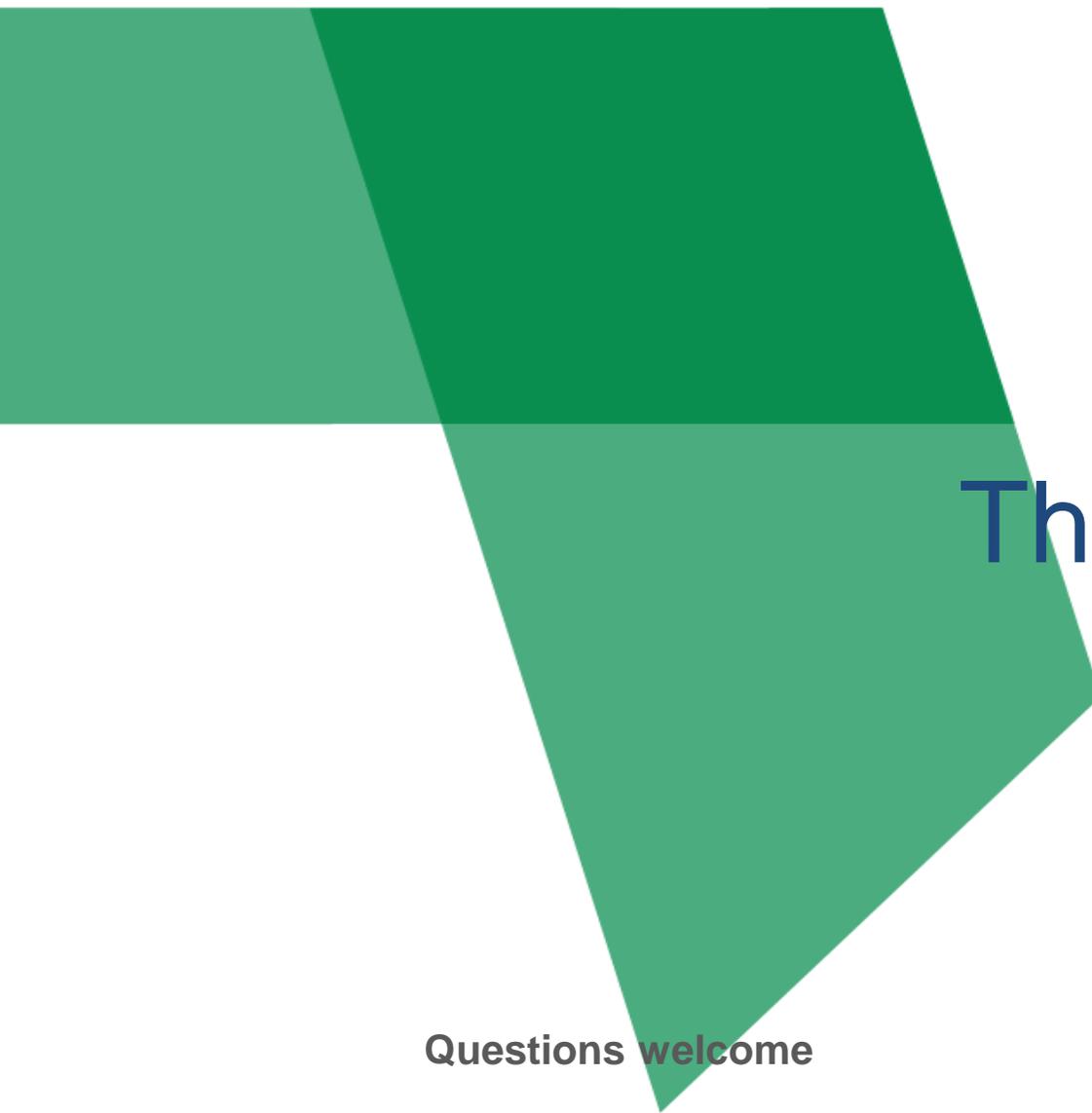


Don't hesitate for the future

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PART OF YOUR EVERYDAY LIFE

VEAB
VÄXJÖ ENERGI



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Thank you!

Questions welcome

Thematic Event 1 | November 2019 | Pamplona

ACTIVE IN EU PROJECTS

READY

Remomwocxöwm

- Energy savings for heating up to 50-53 %
- Energy savings for white goods: ca 28 %
-

CLIMATE NEUTRAL

- Hydrogen
- .

DIACCESS

- n

ViabileCities™
Smart, sustainable and attractive.



Source: Bo Hjälme fjord, Wikipedia