

GET INSPIRED BY COVENANT OF MAYORS CITIES' AND REGIONS' ACTIONS

Covenant of Mayors' twinnings final report

PART OF



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INTRODUCTION

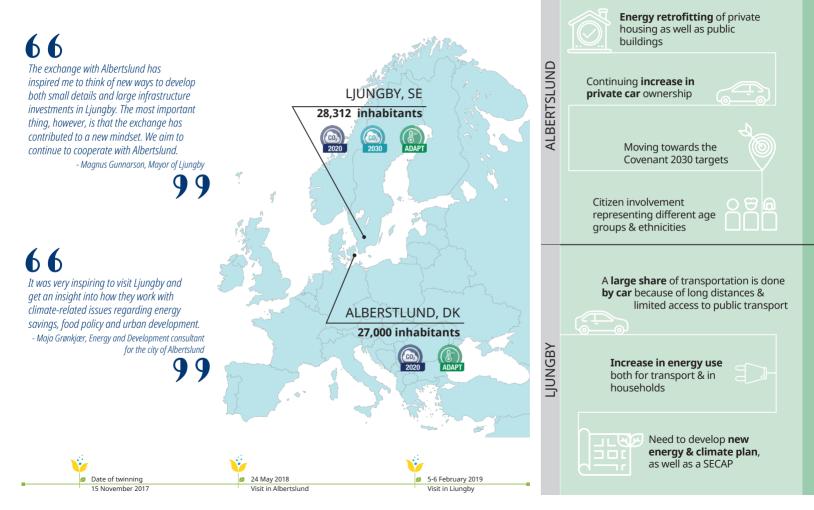
What is the twinning programme?

Starting in 2017, the CoM developed this programme with the aim of increasing local authorities' capacity to mitigate and adapt to climate change while creating long-term partnerships between European, local and other subnational authorities. Two waves of twinnings have since been launched – 2017-2018 and 2018-2019 – each consisting of 7 pairs of twinned entities. By the end of 2019, fourteen partnerships will have been developed leading to long-lasting cooperation.

What do the twinning visits involve?

Two funded visits per twinning facilitate an exchange of expertise in which cities gain inspiration on how to become more resilient and reduce emissions. After the initial visit, the two cities work together to develop a roadmap, outlining the challenges they each face and areas on which they would like to focus in the final return visit. This is also an opportunity for the visiting city to reflect on what they have learnt – the measures presented by the host city – and consider if and how these could be replicated in their city. Additional activities are considered and outlined before the return visit In this publication, you will find the 'reports' of a selection of visits from the 2017-2018 twinning programme. These visual reports summarise the twinning programme by outlining what each city feels is their strength, the challenges they each face, the learning objectives they each set for the programme and their 'results' - what actions they are taking forward as a result of the programme. Measures taken forward include the introduction of a digital map of the city for citizens to suggest new urban developments, the development of supra-municipal Sustainable Urban Mobility Plans (SUMPS), and the planning of a 'library' for the reuse of household appliances (eq. tools). These innovative ideas highlight just some of the many measures that cities are taking to tackle climate change. We hope they will inspire further action amongst cities across Europe.

ALBERTSLUND twinned with LJUNGBY



CHALLENGES

STRENGTHS



Strong political emphasis on environment & climate issues

EMAS-certified

ſ municipal organisation

making environmental & climate issues relevant to all units



Monitoring enerav consumption & CO2 emissions



88% emissions reduction target from electricity consumption by 2025

Long tradition of **involving** citizens

New method for evaluating

sustainable development

based on the 2030 Agenda

use decreased by 15%

Working to reduce food waste

retirement homes etc.

and set CO2 targets for lunches

served at municipal schools, daycare,

strategies, and land & water use

Since 2005 energy savings in public

buildings are a priority and energy



Inspiration for solutions & actions towards 2030, especially in transport Using Albertslund's Klimastrategi 2017-2025 as inspiration for the new Municipal Energy Plan & SECAP

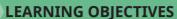
RESULTS FROM VISITS

Planning for a new residential area in the city, including sustainable solutions for transport,

energy, waste & social inclusion



Taking inspiration from Albertslund, Ljungby plans to separate transport infrastructure for bicycles and cars





New ideas for how to work with the planning of climatefriendly residential areas

Inputs on how to integrate the SDGs in the local sustainability & climate work



Actions to create energy savings both in private & municipal buildings

Inputs on integrating adaptation measures &/or mitigation efforts



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L© map for citizens to suggest new urban developments

Consider the introduction of a digital

Explore optimisation of

municipal buildings

Adopt Ljungby's method of localising

planners from different departments

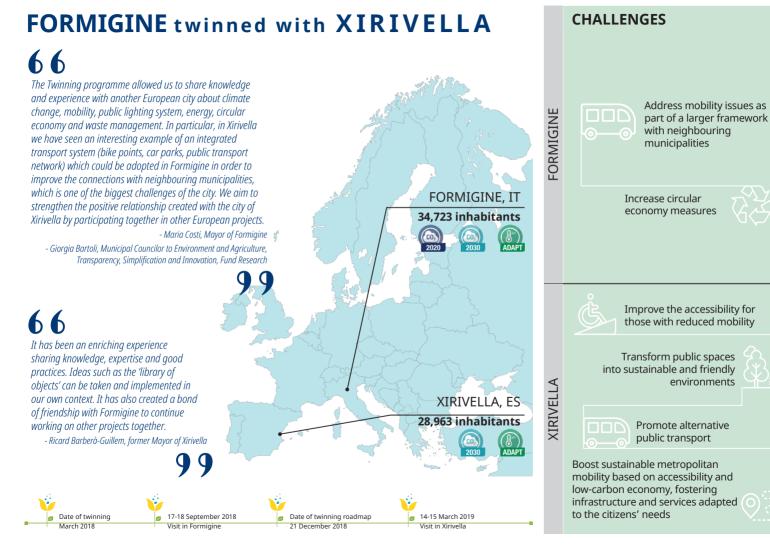
SDGs & cooperating with strategic

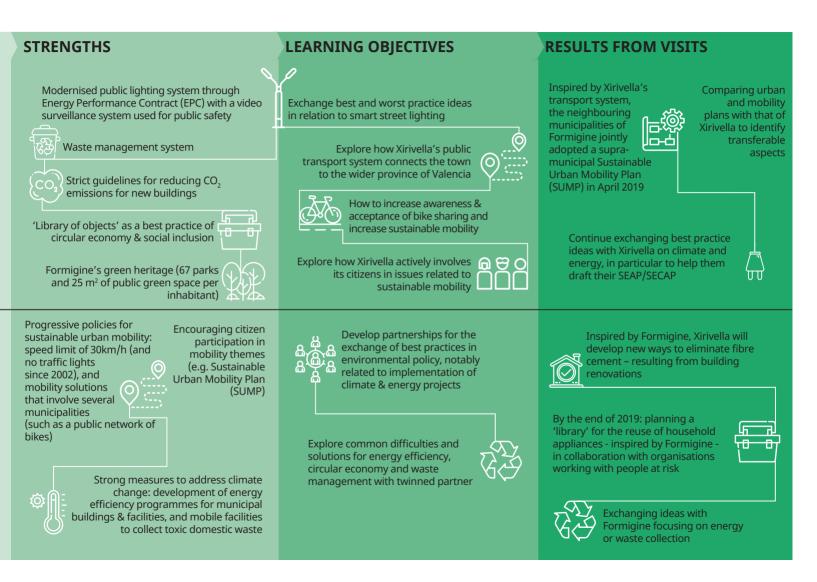
Plan to work with suppliers to create more visibility around food

use in pre-school

the heat consumption of







LEEDS twinned with **BREDA**

The visit to Breda provided us with many exciting and innovative ideas. We are disseminating these widely as part of our Climate Emergency planning for Zero Carbon and our general sustainability mission and vision. An invaluable experience.

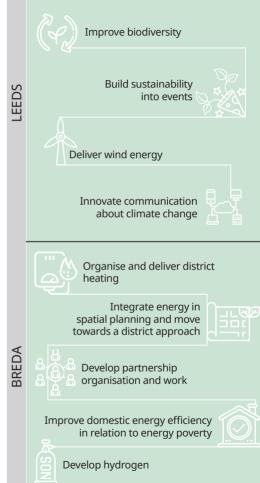
- Councillor Garthwait. Leeds City Council.

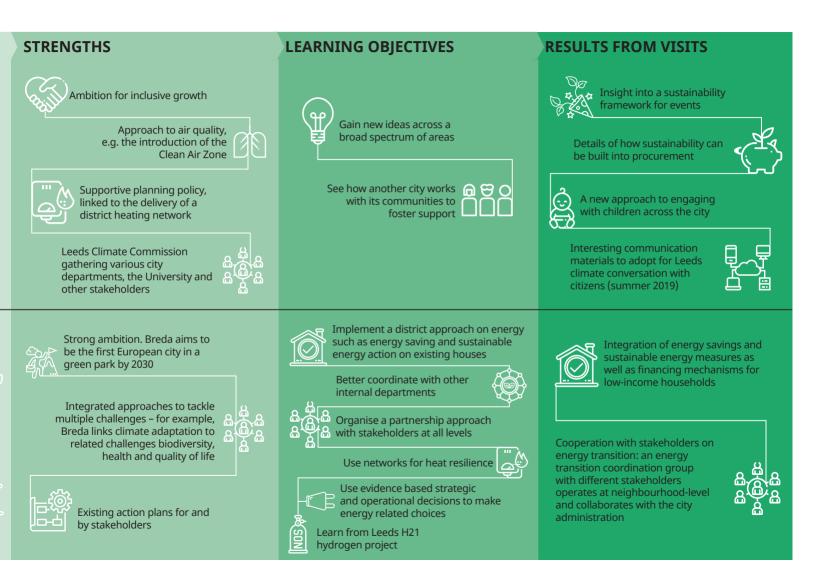
It is at local level that the challenging ambitions set by The European Commission in the European Green Deal need to become reality. I strongly believe in the added value of sharing knowledge and best practices between cities in Europe, especially when it comes to energy transition and fighting climate change. Past two years Breda learned a lot from our twinning with the city of Leeds. - Paul Depla, Mayor of Breda

> Date of twinning November 2017



CHALLENGES





UDINE twinned with ZADAR

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Two cities from different States and with different issues, but with in common the commitment to the city and citizens to take proactive actions to improve the quality of life of citizens and make their city more attractive and liveable.

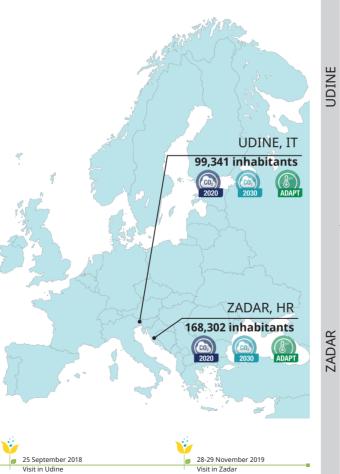
- Agnese Presotto, Architect, Agency for Environmental Policies and Energy Management, city of Udine

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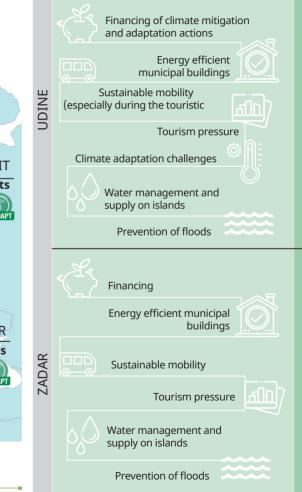
During the visit in Udine delegation of the City of Zadar was introduced with very interesting projects and learned about more sustainable materials for the energy efficient construction that also don't have any harmful effect on health. Also visited a very impressive Udine district heating power station which provides energy to the city hospital, university, five schools, sport center and several residential buildings. It is also a trigeneration plant. Also twinning partners had a very fruitful and interesting discussion on the implemented projects and activities in both visits.

- Ana Baljo, Head of Section for Energy Efficiency, city of Zadar

> Date of twinning November 2017



CHALLENGES



STRENGTHS



Have a sound experience in European collaboration projects

> Having set up objective up to 2030



Have a monitoring and environmental management system in place for more than 10 years

Have strong collaborations with territorial actors (University, private companies, associations) on the model of quadruple helix

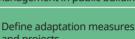


LEARNING OBJECTIVES



Implement innovative financing schemes for energy and climate projects

Implementing a systematic energy management in public buildings



Promote awareness raising campaigns on energy efficiency and climate change resilience among citizens, students, families

and projects



RESULTS FROM VISITS



Replicating the energy monitoring system for electric energy and water consumptions. For every building, we can interrogate the system and have monthly consumption and money spent and summary information on a yearly basis.

Collaboration: through the Compete4SECAP (C4S) project aiming to transform existing SEAPs into Sustainable Energy and Climate Action Plans (SECAPs). Together with Zadar, we will explore the next EU programming period (especially within the Interreg ITA-HR Programme) for opportunities to collaborate

> Inspired by the 'Via Baldasseria' eco-friendly school project, we are assessing the feasibility of replicating this with measures such as transparent facades, radiant floor panels,

geothermal heating with an energy recovery system, thermal solar panels and rainwater recycle system.

We exchanged knowledge to find solutions to shared problems, for example on our experiences with ISO 50001 to improve energy efficiency.

We will continue to work through the C4S project and find further opportunities for collaboration



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Political commitment EE & RES projects Energy management



Financing (innovative financing schemes)

Water management and supply

Sustainable mobility



To gain the good examples of practice that could be applied in Zadar



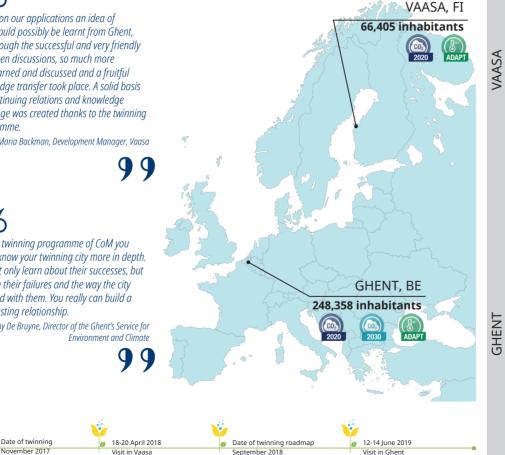
VAASA twinned with GHENT

Based on our applications an idea of what could possibly be learnt from Ghent. but through the successful and very friendly and open discussions, so much more was learned and discussed and a fruitful knowledge transfer took place. A solid basis for continuing relations and knowledge exchange was created thanks to the twinning proaramme.

- Maria Backman, Development Manager, Vagsa

Via the twinning programme of CoM you get to know your twinning city more in depth. You not only learn about their successes, but also on their failures and the way the city handled with them. You really can build a long-lasting relationship.

- Cathy De Bruyne, Director of the Ghent's Service for Environment and Climate



CHALLENGES



Internal competition concerning resources

Need to strengthen leadership / management and commitment to energy and climate program



Creating alliances with stakeholders active in the city

Tackling scope 3 emissions and avoiding the CoM scope as a potential lock in (e.g. use consumption to make production more sustainable, potential for CCU and circular economy and include waste/materials)



Financing the energy transition

Reducing emissions from industry and tertiary sector



STRENGTHS



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Vaasa is known for its unique way of cooperation. The city has a proactive role in facilitating cooperation with companies, universities, public and third sector and citizens

The Nordic Energy Hub, situated in Vaasa, houses expertise in energy technology research and competence, and contributes 30% of the energy technology export from Finland

LEARNING OBJECTIVES



Further learning on strategic leadership, management and engagement concerning energy- and climate issues and sustainable development

The energy consulting approach, $\bigcirc \bigcirc \bigcirc$ towards citizens as well as companies.



The way of communicating and engaging

RESULTS FROM VISITS



The Ghent's approach to stakeholder engagement and management – replicable factors and lessons learnt – will be considered in the update of The Vaasa City Strategy in the next 2 years

Inspired by Ghent's energy coaching and energy grants, Vaasa has opened a survey aimed at SMEs to understand what help we could offer in relation to reducing their emissions.



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We also learned to reflect on our own strengths and development possibilities



The services Ghent offers for households [to renovate their houses in an energy efficient way]: the energy central as a one stop shop for free advice, guidance, grants and loans.



The services Ghent offers for companies (energy coaching, monitoring, grants)

Leadership and management of the climate challenge on the city level



Cooperation between city/university/ companies in building an energy hub

Production of biogas from organic waste: insight in the business case and research the transferability to the Gent situation



Skype meetings with experts of Vaasa on the energy production of the waste facility and the way government, universities and industry are working together within the "Energy hub" Vaasa is.

Learning from Vaasa's experience of working with knowledge institutions, the city of Ghent in partnership with Ghent University, North Sea Port, and other industry, are developing a business case for CCU.



Insights gained are now being used in drawing up a new climate plan for 2020-2030







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