

Re: Item 12.1.2

HALIFAX

Presentation of Findings from the EU-Canada Urban Policy Cooperation

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Energy & Environment

ESSC January 14, 2016

ICLEI EU-Canada Urban Policy Cooperation

- The EU is running a series of inter-municipal exchanges that facilitate dialogues between cities in the EU and its partner countries
- 3 central themes of resilience and adaptation, ecosystem services and low carbon development
- Cities will cooperate based on similarities between their thematic areas, experiences and goals

EU-Canada Partner Cities

Almada, Portugal
Hannover, Germany
Tallinn, Estonia
Vitoria-Gasteiz, Spain

Saanich, Canada
Ottawa, Canada
Halifax, Canada
Edmonton, Canada

City Profile – Vitoria-Gasteiz, Spain

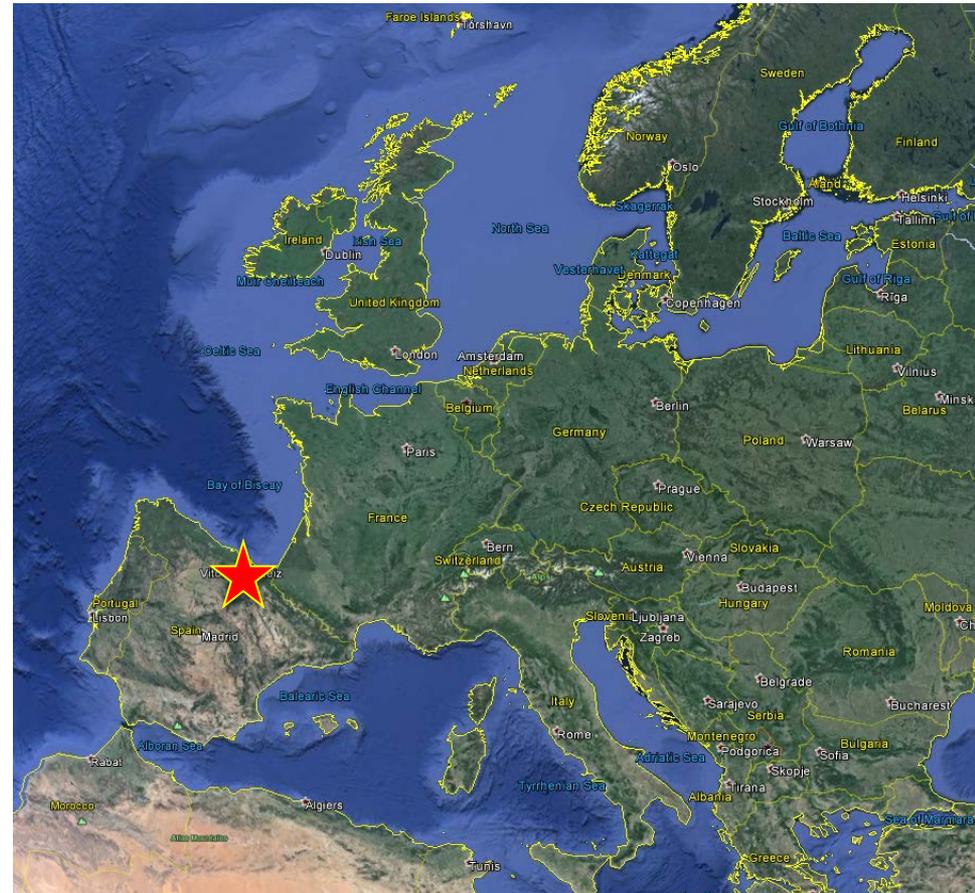
Population – 245,000

Land Area – 278 km²

Key Industries –
Automotive, Manufacturing,
Aeronautics

Municipal Budget - €332
million

European Green Capital
Winner 2012





- Green infrastructure in V-G is more cost effective, resilient & beneficial than other alternatives.
- Focus on natural processes for biodiversity – the backbone of green infrastructure.
- Requires spatial, temporal & fiscal planning
- Emerging terminology in EU: climate services, climate intelligence, climate protection







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City Profile – Tallinn, Estonia

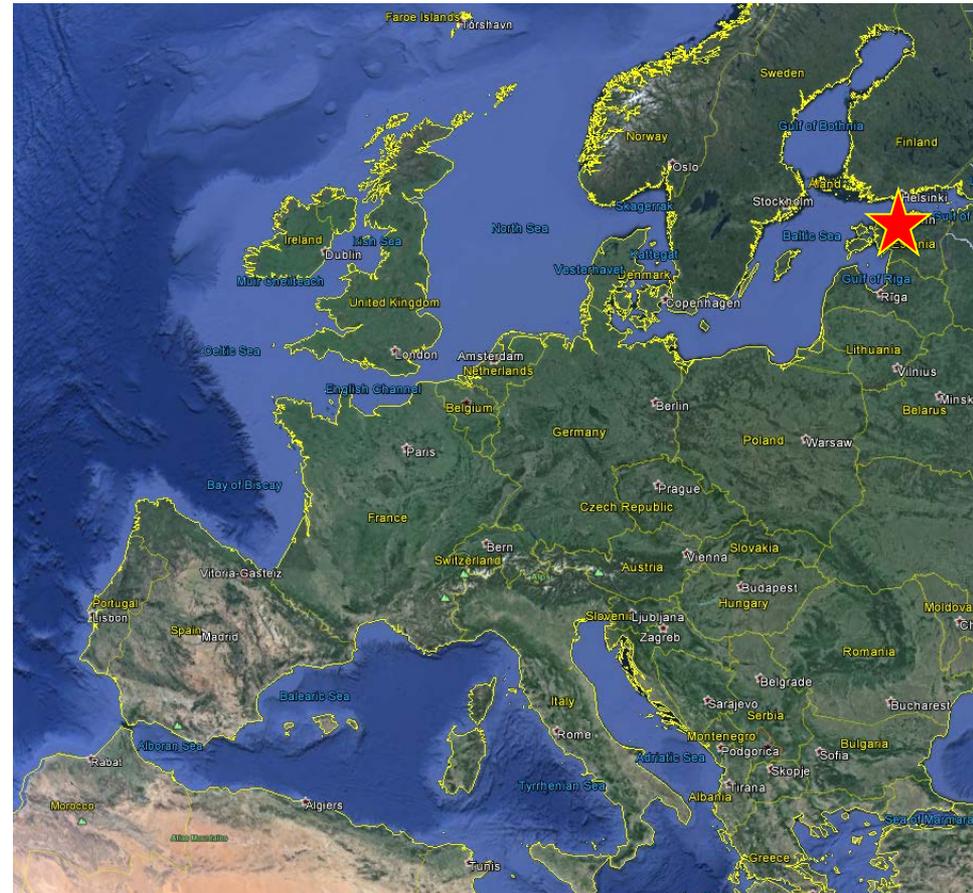
Population – 435,000

Land Area – 159 km²

Key Industries –
Information Technology,
Textile, Food Industries

Municipal Budget - €529
million

**Applying for EU Green
Capital 2018**





Sustainability in Estonia

- Estonia has a National Climate Change Adaptation Strategy – adheres to direction by EU Commission.
 - Adaptation and action plan due April 2016.
 - Focus on 4 key sectors: land use, natural environment, economics, social/health
- ENFRA – Estonian National Climate Adaptation Strategy for Infrastructure and Energy
 - Oil shale supplies 85% of Estonia’s power, dirtiest power source
 - Will suggest a switch to decentralized power production
 - Focus on district energy, renewables
- Adaptation measures up to 2030 estimated to cost 155 million euros
- National Electric Mobility Program, 2011-14
 - Covered half the price of an EV up to 18,000 euros
 - Network of 163 quick charging stations

Sustainability in Tallinn

- Began paperless city management in 2004
- Created a virtual service hall in 2009
 - Self service portal linked to banks, forms are prefilled, can do anything but get married online!
- Fare-free public transit for Tallinn residents
- Main street creation as part of city masterplan due 2020. To connect to the harbour and pedestrian route in a green circle surrounding the city
- Covenant of Mayors 20-20-20 Target
- 70% of development in last 10 years has been densification
- 63% of Tallinn is water-permeable surface
- 13.8% of Tallinn is protected areas



Coastal Erosion in Estonia

- Coastal erosion an issue in Tallinn and throughout Estonia
- Tallinn University received a grant to reconstruct past storminess to see how it has changed over time
- University is also working to estimate the value of ecosystem services for their Minister of Environment
- 4000 km of coastline
- Land uplift of 2.8 mm/year
- Main agents changing shores: waves, wind, sea ice, sediment redeposition & inundation
- One cape in Western Estonia is rapidly receding
- Maximum wave height and # of large storms increasing
- Some areas prone to flooding in Tallinn, currently looking for solutions.



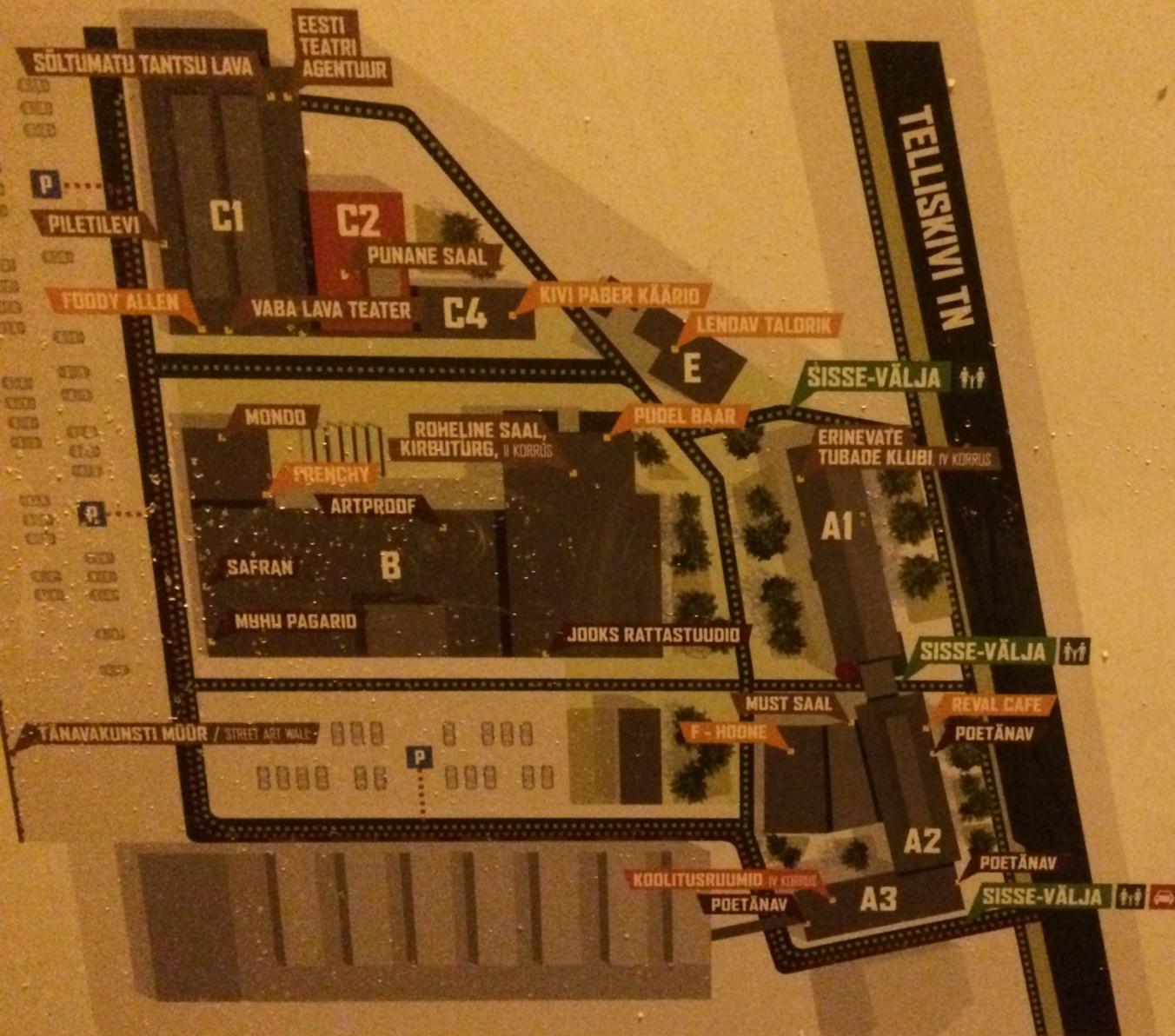












KAUPLUSED
SHOPS

KULTUUR JA SÜNDMUSED
CULTURE & EVENTS

SÖÖK JA JOOK
FOOD & DRINKS

KOOLITUSRUUMID
TRAINING ROOMS

SISSE / VÄLJA
ENTRANCE / EXIT

JALAKÄIJATE ALA
PEDESTRIAN AREA

KAUPMÄE

KAUT

ASUD SIIN
YOU ARE HERE

TELLISKIVI POETÄNAV
TELLISKIVI SHOPPING STREET
E-L / MO, SA 11.00-17.00
T-R / TU-FR 11.00-19.00

BÜROOD
A1, A2, A3 HOONETE II-IV KORRUS

OFFICES
A1, A2, A3 BUILDINGS, 2-4TH FLOOR





ШТАНГА

FFC
OLIVE

GRE

Lessons Learned

Policy Exchange Structure

- The impact of face-to-face meetings and site visits should not be underestimated
- Learning from others is very valuable
- Successful projects need to have clearly defined
- Clear & timely communication is critical
- Agree with partners as to what success looks like

Governance

- Awards and titles can motivate and inspire change
- Every initiative needs a strong champion
- We can do more to integrate HRM projects with the university and academic resources in Halifax
- There are significant NGO resources in Europe wishing to help Canadian municipalities in their climate change efforts
- EU and European cities are dedicating significant financial and human resources to climate change adaptation and mitigation, as well as to enhancing and protecting biodiversity

Lessons Learned

Climate Change & Resilience

- There are aspects of sustainability that Canada is ahead on
 - Forest management and policy, conservation, water quality
- The EU is advanced in urban-based sustainability and in climate change mitigation and adaptation efforts, generally speaking
- There is a vast amount of resources, consulting firms, NGOs, international associations, governments, academics etc. working in this area. We need to make an effort to draw upon them more frequently.



PREMIER
SPORT AND CULTURE HOUSE PREMIER



KUNSTEN MUSEUM
OF MODERN ART AALBORG

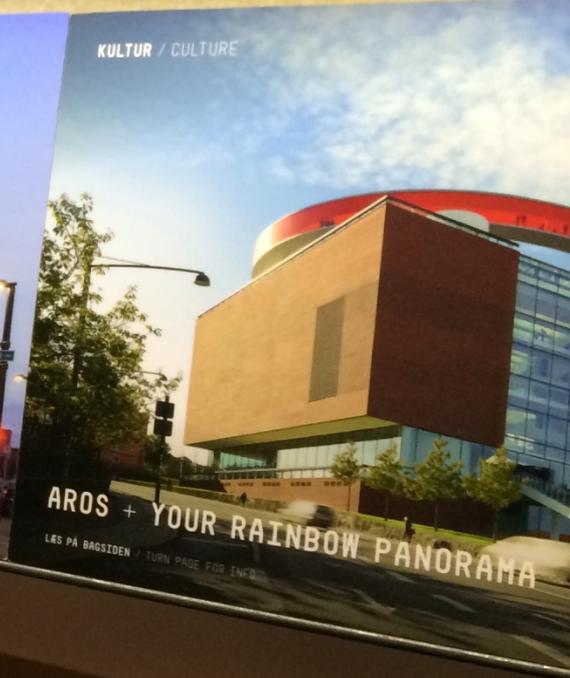


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COPENHAGEN OPERA HOUSE



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AROS + YOUR RAINBOW PANORAMA

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