

### New ideas of smart municipalities: post-COVID-19 recovery, waste management and circular economy

Andres Jaadla

Vice - mayor of Rakvere







# COVID-19

#### COVID 19 Experiences and lessons learned. Opportunities and solutions.

## #EuropeansAgainstCovid19

- Making it through the crisis together.
- Now more than ever, it's crucial for people to feel that we are stronger together.
- The European Union and its member states are collectively mobilising over €3 trillion to help save lives, jobs, and businesses, by supporting the thousands of people working together to make a difference.
- It's not in division that we move forward, it's in togetherness: with the researchers, medical staff, scientists, teachers, friends, and neighbours behind the scenes.
- Discover European stories of solidarity and hope that encourage all of us to stand strong. #EuropeansAgainstCovid19

# We Stand Together #EuropeansAgainstCovid19

Protecting the health and safety of our citizens is the EU's top priority. In addition, the EU and its member states are taking resolute action to mitigate the socioeconomic impact of the outbreak and sustain jobs. The EU is mobilising all resources available to help member states coordinate their national responses, and this includes providing objective information about the spread of the virus and effective efforts to contain it.

# **Exchange Platform**



**Covenant of Mayors** for Climate & Energy

## Covenant of mayors – post Covid19 Challenges and Opportunities in the Post-COVID-19 – GREEN DEAL

\*EUGreenDeal

On 4th March 2020, the Commission has launched an Open Public Consultation until the 27th May on the "European Climate Pact" which will be officially presented in the third quarter this year. The Climate Pact is part of the European Green Deal launched last December.

The European Green Deal

EU Geen Deal - A way out of the crisis

**Covenant of Mayors** 

for Climate & Energy

www.eumayors.eu

New ideas of smart municipalities: post-COVID-19 recovery – Case of Rakvere, Estonia

# SMARTVERE TARKVERE





#### Smart concept of Rakvere -Smartvere Tarkvere

#### Koostöö Maaülikooliga TARKVERE KONTSEPTSIOON



Etapi peamiseks eesmärgiks on kujundada olemasolev linnaruum veelgi sidusamaks ning kasutajasõbralikumaks.





# Rakvere used COVID 19 time for Sustainable Energy and Climate Action Plan SECAP preparation ③

COVID19 time – Preparation Sustainable Energy and Climate Action Plan (SECAP) of Rakvere

- Supporting citizens' choices for more energy efficient buildings
- Estonian Goverement 100 million (after COVID 19 program ) for more energy efficient buildings
- Rakvere is chosen way for the renovation of residential buildings
- Estonia's first near-zero energy public building is located in Rakvere



## Estonia's first nearly zero energy - public building is located in Rakvere -Rakvere Smart House

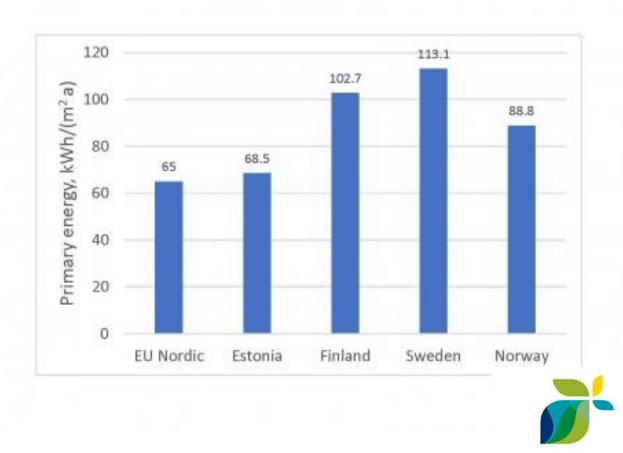


**Covenant of Mayors** for Climate & Energy

Estonia's first nearly-zero energy - public building is andres JAADLA/ RAKVERE / SIOCATED in Rakvere

# Estonia has the most energy efficient new nearly zero energy buildings

• The analyses of the NZEB energy performance requirements and reference apartment buildings in four countries (Estonia, Norway, Finland and Sweden) showed that the nearly zero energy buildings constructed in Estonia are most energyefficient, i.e. their energy consumption is the lowest.





More energy efficient buildings in Rakvere

• Rakvere is the first city in Estonia where most Soviet-era apartment buildings have been renovated !



#### Urban Agenda Partnership on Circular Economy

- European cities are uniquely positioned to address complex problems through practical experimentation and innovation.
- The transition to a circular economy requires multi-level governance and new visions of what the future city could look like. Therefore, involvement at a local level is crucial for the transformation from the traditional linear approach to a circular strategy.
- The 'Circular City Portal' is an openly shared knowledge database, inspiring and guiding cities in their journey towards a circular economy. City portal is accessible here: <u>circulargovernance.city</u>





## Circular Economy – after #Covid19 – City of Rakvere

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LÄÄNE VIRU JÄÄTMEKESKUS www.lvjk.ee

Rakvere's experience - COVID 19 increased waste management and created opportunities for the circular economy

#### JAATMEKESKUS JAATMEKESKUS E-R 8.00-18.00 L 10 - 15 P 10 - 14 WWW.lvjk.ee

KAALULE LIIKUMISE KORD SEISA STOP JOONE EES JA VEENDU, ET KEEGI EI ASU KAALUL EGA SÕIDA KAALULE



Rakvere experience increase in the volume of separate collection of COVID 19 time



# new sorting

## area

NDRES JAADT

10

101-

Manno RAKVERE / ESTONIA 70

Mann

In the second



Separate collection of materials

 separate collection helps to recycle materials and stimulates the circular economy



### Wood material recycling

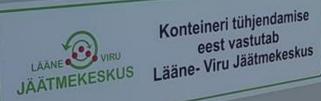






# RIIDEKONTEINER

Использованная одежда Clothes recycling





### Very popular among citizen !



# containers in city during COVID 19

NEW ! - Used

NEW - Used clothing containers

 Used clothing containers in the city.

 very popular service - Covid 19 time, when people were cleaning their homes



# Conclusions

- COVID 19 was a time of preparation for future plans in Rakvere
- COVID 19 complemented the circular economy model in Rakvere and provided new services
  - Created faith and opportunities to do things differently.



#### COVID 19 was a time of preparation for future plans in Rakvere

#### COVID 19 complemented the circular economy model in Rakvere and provided newservices

COVID 19 created faith and opportunities to do things different

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# Thank you !

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