

# RE GREEN EN

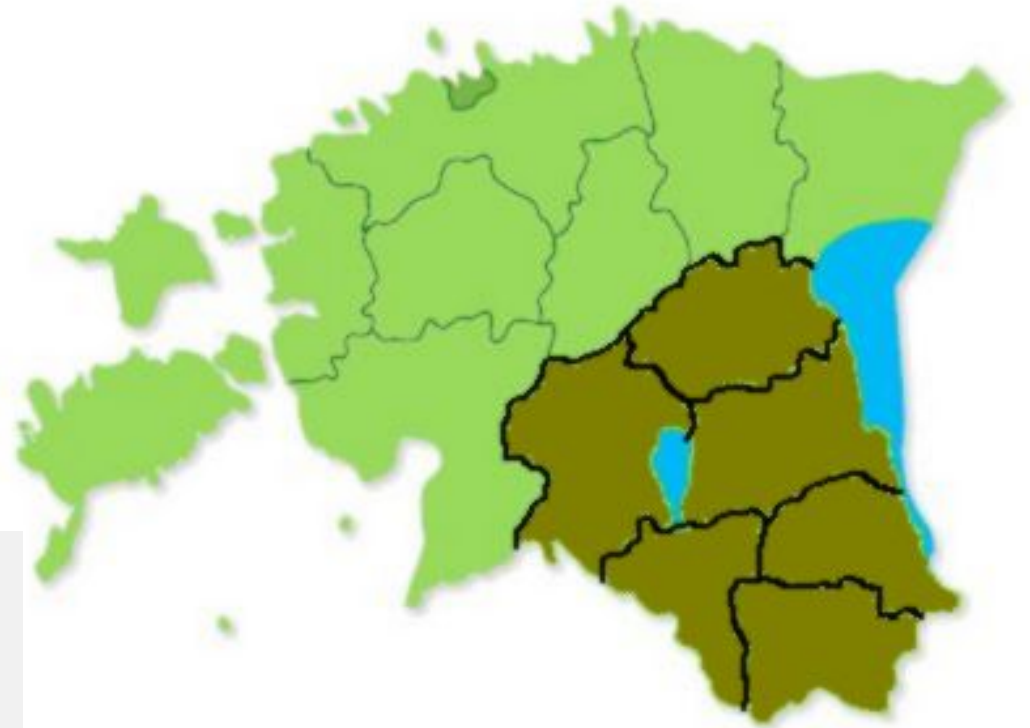
Regional Policies  
Towards **Green** Buildings



# Tartu Regional Energy Agency

- Founded 2009
- Non-profit NGO, owned by
  - Tartu Science Park
  - City of Tartu
- Main areas of consultations and activity
  - Energy efficiency in buildings
  - Biofuels
  - Feasibility calculations of district heating grids
  - Raising awareness on energy matters
  - Consulting and support to municipalities

# Tartu Region



Tartu 98 440 in.

6 counties

86 municipalities

339 000 in. 26%

15 500 km<sup>2</sup> 34%

# Tartu Region

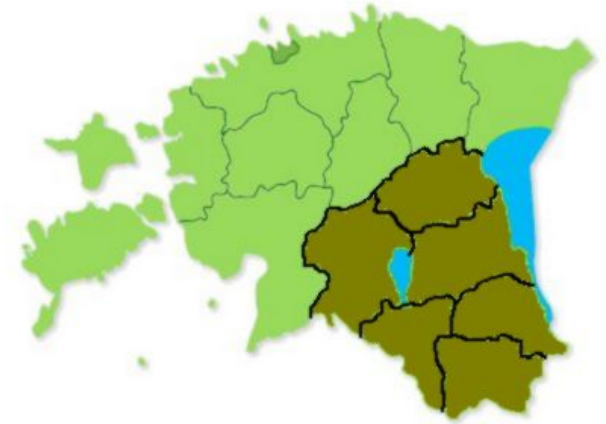
appr. 48% of land area is forest

Tartu University

University of Life Sciences

Main industries – forestry and food production,  
also engineering industry

Main local RES – wood... and sun, no  
significant hydro or wind



# OMAENERGIA 2050

OMAENERGIA = “one’s own energy” / “our energy”

- Local and RES based electricity generation
- Near Zero or low energy buildings
- Rational and energy efficient public transport
- Knowledge based economy using local resources
- Lifestyle that meets available resources
- High awareness of citizens

# OMAENERGIA 2050

## VISION

By 2050 Tartu Region is an area running on renewable energy with steady sustainable growth. Cities and towns are of optimal size and structure and are interconnected with a network of non-polluting public transport systems. Most of housing stock and public buildings are of zero or low energy consumption. Economy is predominantly research-based and green with high level of utilizing of local resources.

# Synergy

## **OMAENERGIA 2050**

### **Covenant of Mayors**

Tartu, Jõgeva, Võru, Rõuge

### **Geopark**

Jõgeva county, Tartu county

### **Smart Cities**

Tartu

# Implementation plan- First stage of OMAENERGIA 2050

## **Main actions, green buildings:**

Raising awareness of citizens about possibilities and expected results and also feasibility of thermal renovation of existing residential buildings.

Encourage existing and apply new innovative financing solutions for the renovation of buildings.

Setting clear and simple instructions to follow in order to get PV or collectors installed on ones property.

Municipalities assuming a leading role in renovating and refurbishing their buildings mainly schools and kindergartens.

Providing free or low cost and easily accessible ITC tools for monitoring energy consumption of buildings



# Implementation plan- First stage of OMAENERGIA 2050

## **Green urban systems:**

Renovating, refurbishing and rethinking small district heating grids.

Reducing carbon emissions of public transport

## **Green governance:**

Refurbishing and renovation of public buildings

Involving experts and stakeholders including grass root level to making decisions on planning and land use

# Monitoring

The strategy will be monitored by a committee of stakeholders – representatives of all counties / municipalities

The basis for monitoring will be a system of indicators developed by RE-GREEN project team.

## NOTE!

Several possible actions have not been dealt with in this Implementation Plan because of their nature that requires considering administrative division which is about to be reformed in Estonia



Thank You for Your attention!

TREA

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