Tartu Regional Energy Agency
Estonia

Martin Kikas
expert of energy
Member of Board
Tartu Regional Energy Agency (TREA) was founded in 2009 by City of Tartu and Tartu Science Park in order to promote sustainable energy and energy management in the region. The agency concentrates on promoting energy management and relieving the key problems of modern energy management: energy efficiency, sustainable transport and renewable energy.
TREA acts as independent competence centre in the field of energy (and environment)

Clients:
energy end-users: LA, organizations, households, small and medium size energy producers

TREA provides:
1. Consultations and advice
2. Energy Management at all levels: buildings, household, organizations, municipality
TREA
Tartu Regiooni Energiaagentuur

TREA staff (2018):

total 11 people and 9 on full staff

7 energy, climate or building experts, communication, financial managers
TREA is financed by:

75-80% from grants
11% City of Tartu
12% from services

Budget ca 270 000 year (2015) up to 450 000 (2017)
Target area is City of Tartu and South of Estonia

Territory of 6 counties

90 municipalities
3 towns,
77 rural municipalities

Area: 15 533 sq.km
Number of inhabitants 338 836 in
* Study of administrative buildings for Tartu City (more than 90 buildings)

* Energy performance certificates for 65 public sector buildings for City of Tartu

* Study of energy performance (energy audit) of public sector buildings

* Sustainable Dwelling and Energy Programme for Tartu City
* SEAP (Sustainable Energy Action Plan) and BEI (Baseline Emission Inventory) of four LA-s:
    - Tartu, 98,000 in
    - Võru, 13,000 in
    - Jõgeva, 5,600 in
    - Rõuge, 2,500 in

Energy Action Plans and District Heating plans for Municipalities
Studies:
* Overview of Energy consumption in the region (2010)
* Overview of Energy sector regulations in Estonia
* Study of attitudes and habits of consumers in energy consumption

Trainings
* Energy management curriculum and study course (50 h)
* Study visits (Sweden, Austria, Finland, Estonia)
* International seminars
Eco-innovations, ELMO, energy management etc
TREA portfolio
Tartu Regiooni Energiaagentuur

* Estonian Energy Savings Week 2010-2014

cia 40 public events all around of Estonia

organized with:
Award „Eco-friendly company of the Year in City of Tartu“(2014)

issued by TREA and City of Tartu

a. best (company) process - KROONPRESS
b. best service – CLAY PROCESSING SERVICES
Energy monitoring software E-track (E-print) (in beta stage) [http://trea.ee/monitor](http://trea.ee/monitor)

For buildings (real-estate) owners, managers

Consumption data by month (heat, electricity, water) Heating data withdrawn with degree days (to make heating data comparable)

on-line feedback and consultancy to customer
BEAN- Baltic Energy Agency Network
issued 2014 by

Energy agency of Skane (Sweden)
Kaunas Regional Energy Agency (Lithuania)
Zemgale Regional Energy Agency (Latvia)
Mazovia Energy Agency (Poland)
Tartu Regional Energy Agency (Estonia)
TREA International projects
Tartu Regiooni Energiaagentuur

rECOmmend
eco-management; eco-innovation

SecureChain
sustainable biomass energy

smarten
city

PANEL 2050

BEA-APP
BALTIC ENERGY AREAS
A PLANNING PERSPECTIVE

bioenarea
improve regional policies for bio-energy
and territorial development

REFURB 2.0

Sun and Wind

access to local energy data
Meshartility
INTERNATIONAL PROJECTS (11, ongoing):

SMARTENCITY (H2020)- Sustainable Lighthouse cities
SECURE CHAIN (H2020)- secure biomass value-chain for energy
BEA-APP (Baltic Sea Region)- local and regional urban planning
PANEL 2050 (H2020)- roadmaps 2050 and energy forerunners
SOCIALGREEN (InterregEurope)- renovation of socialbuildings
SEC (Est-Lat)- energy savings in communities and at schools
AREA21 (BSR)- energy efficient district
LowTemp (BSR)- low temperatuure DH grids
Community (BSR) – community energy projects
Baltic ForBio (BSR)- biomass promotion
RenoZeb (H2020)- renovation with prefabricated facadepanels
Running topics:

* Energy Efficiency in buildings
  - renovation of 39 000 m² from 250 kWh/m² to 90 kWh/m²
  - inspection of heating units of Schools and kindergartens
  - “one-stop-shop“ as knowledge center for inhabitants

* Energy planning:
  SEAPs, roadmaps for 2050, District Heating plans
  SEAP evaluation for Tartu
TREA
Tartu Regiooni Energiaagentuur
Thank you for your attention!

Martin Kikas  
[link to email: martin.kikas@trea.ee]

Tartu Regional Energy Agency  
[link to website: www.trea.ee]

Facebook, LinkedIn