



Eesti Taastuvenergia Koda

Renewable energy developments in Estonia

Rene Tammist, Estonian Renewable Energy Association

16.05.2017

EREA's introduction



Eesti Taastuvenergia Koda



➤ Established in May 13 2011



➤ 10 members incl 5 associations



Estonian Biogas Association

Estonian PV Energy Association

graanul invest



**Stable,
predictable and
sustainable
regulatory
environment**

**Spreading
information
about RES
solutions,
informing
about the
potentials and
effects**

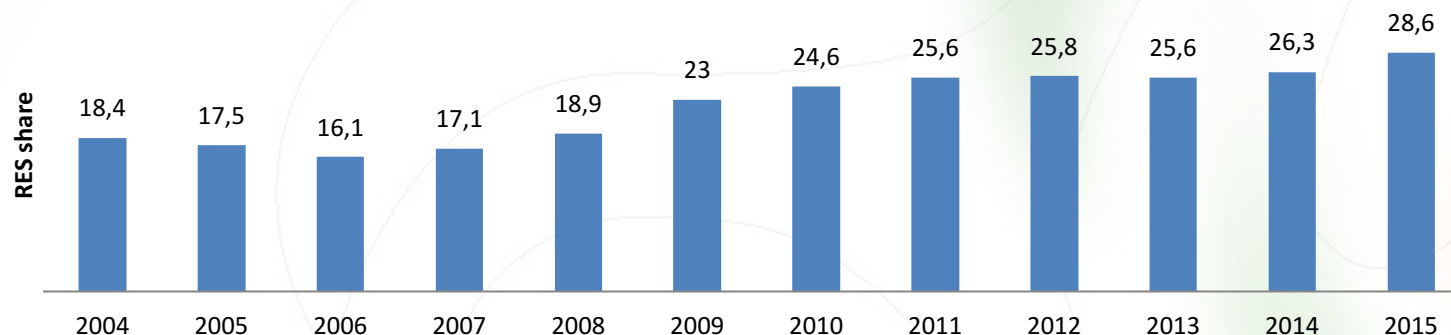
**Taking part
from the
debates
concerning the
energy policy**

R&D&I

**100%
renewables by
.... ?**



RES share in final energy consumption %



- **RES share (Eurostat) 2015 28,6% incl 49,6% RES-H, 15,1% RES-E and 0,4% RES-T**
- **Estonia first EU country to fulfil its 2020 RES directive target (25%)**
- **Biggest growth in RES-H&C sector, 2020 NREAP sectoral target was already exceeded in 2009**



Eesti Taastuvenergia Koda

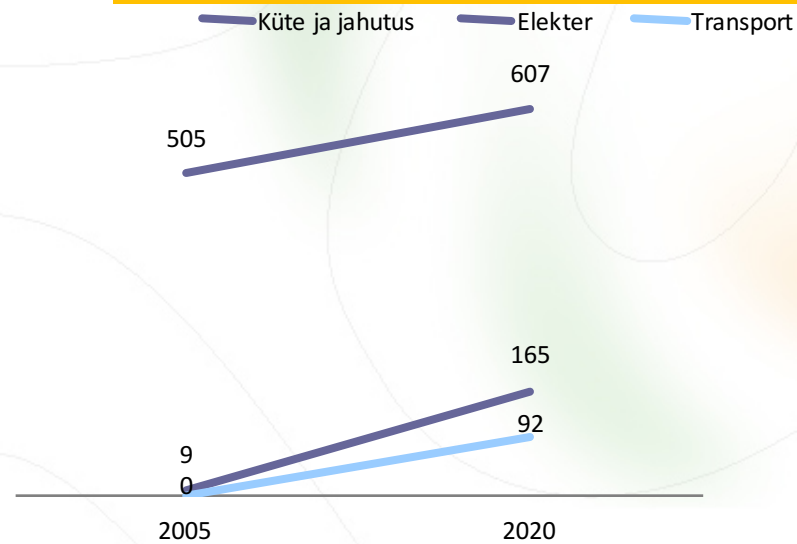
Renewable energy developments



- **National Renewable Energy Action Plan by 2020 targets:**

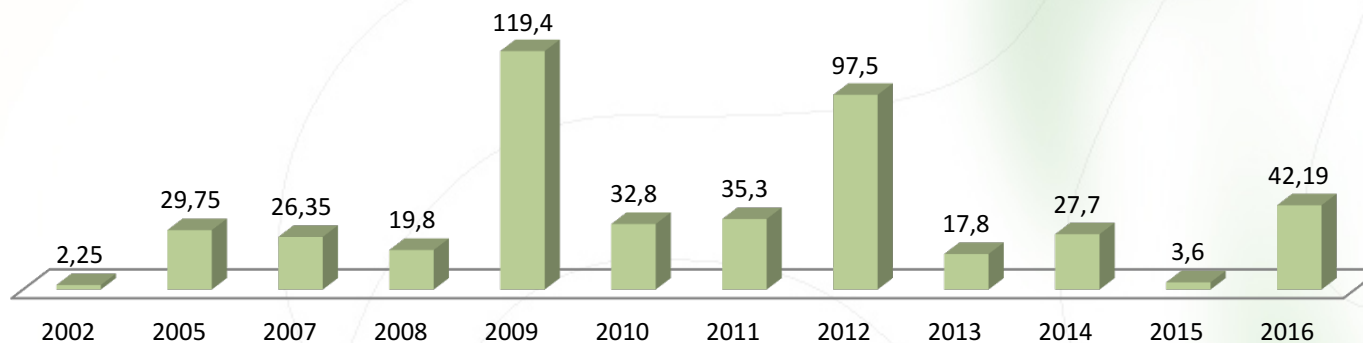
- ✓ **RES-h&c 38,1%,**
- ✓ **RES-e 17,6%,**
- ✓ **RES-t 10%**

Increase of Renewable energy share according to NREAP **ktoe**

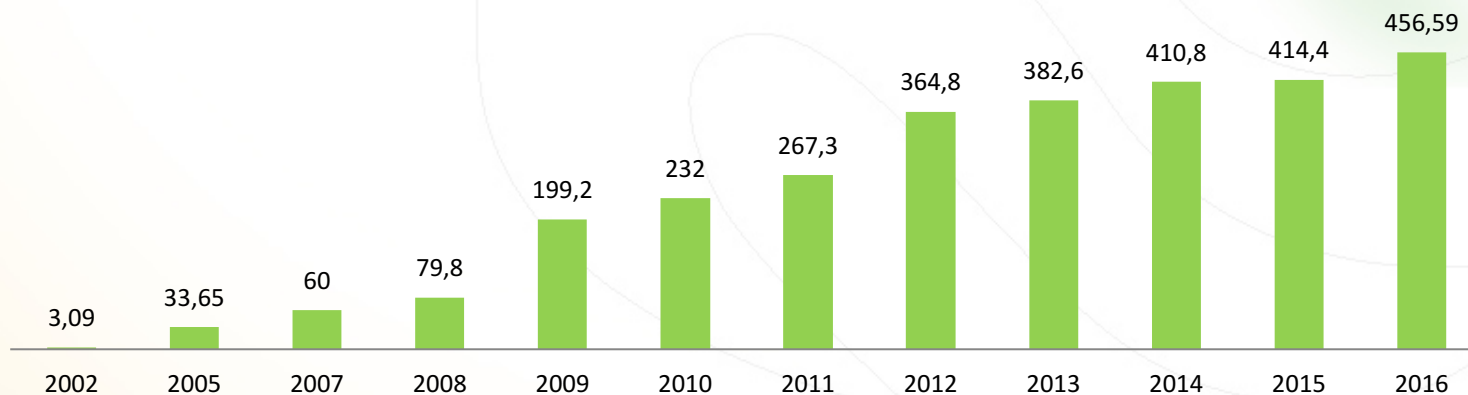




Annual addition of RES-E capacities 2002-2016 (MW)

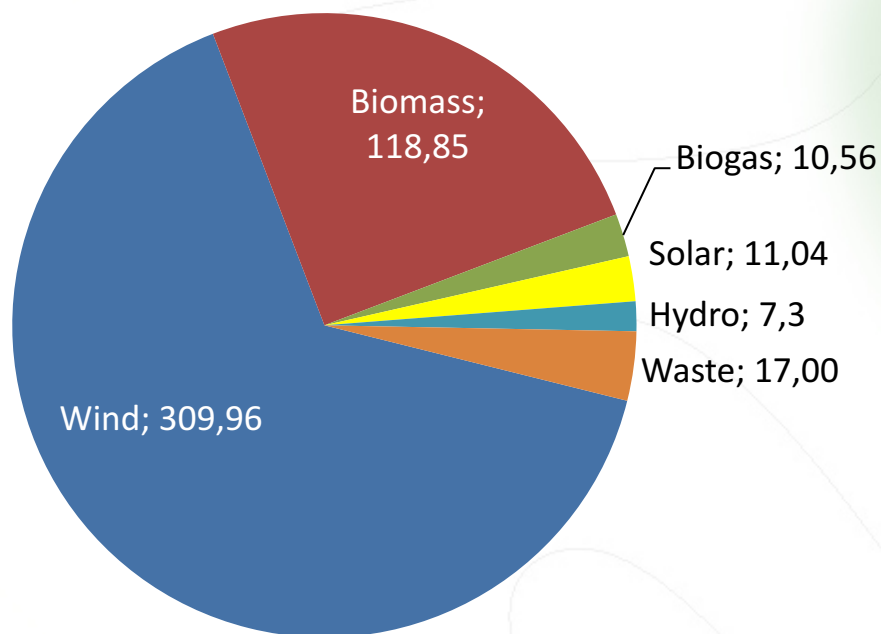


Cumulative addition of RES-E capacities 2002-2016 (MW)





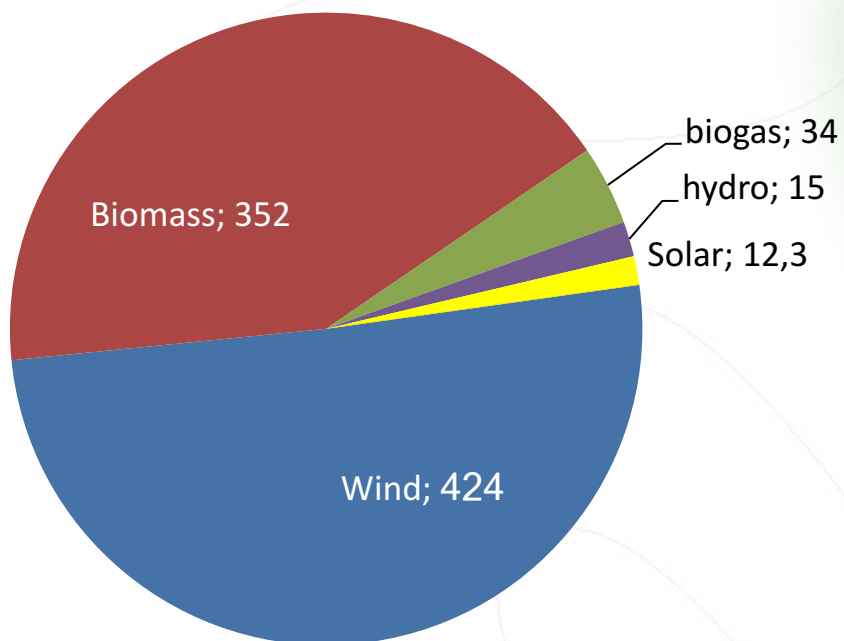
RES-E capacities by energy source (MW)



- **Wind capacities 309,96 MWel, biomass CHP 118,85 MWel**
- **Electricity production in 2016 from RES 1414 GWh according to TSO Eleringi : 55,6% biomass, biogas, waste (785 GWh), 42% wind (589 GWh), 2,5% hydro (35 GWh), 0,2% solar (3 GWh)**



Investments RES-e 2007-2017, M€



- **Wind investments 424 M€, biomass CHP 352 M€**
- **2016 investments into RES-e 69,3 M€.**



Eesti Taastuvenergia Koda

Thank you!

Estonian Renewable Energy Association

Rene Tammist

rene.tammist@taastuvenergeetika.ee

+372 56 490670