

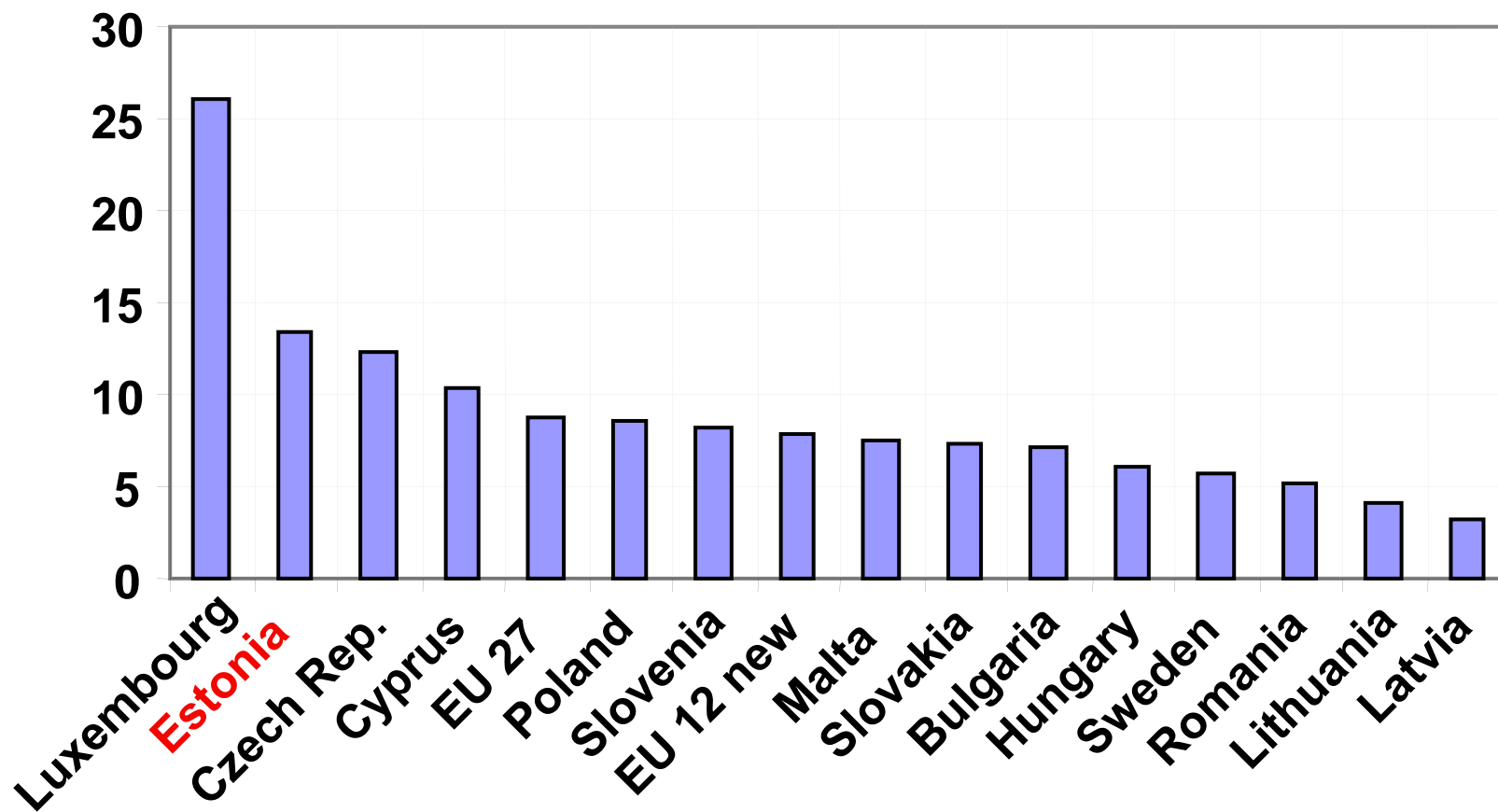
Estonia: background information

Estonia: Production of electricity (GWh by fuels)

Fuel	2007	2008	% 2007/2008
Oil Shale	11402	9629	93.5/91.02
Shale Oil	29	37	0.23/0.35
Heavy fuel oil	1	0	0.06/0
Shale Oil Gas	235	277	1.93/2.62
Natural Gas	350	422	2.87/3.99
Peat	22	15	0.18/0.14
Hydro	22	28	0.18/0.26
Wind	91	133	0.75/1.26
Renewables	36	38	0.30/0.36
Total	12188	10579	100/100

Source: Dr. Ülo Rudi, Tallinn University of Technology

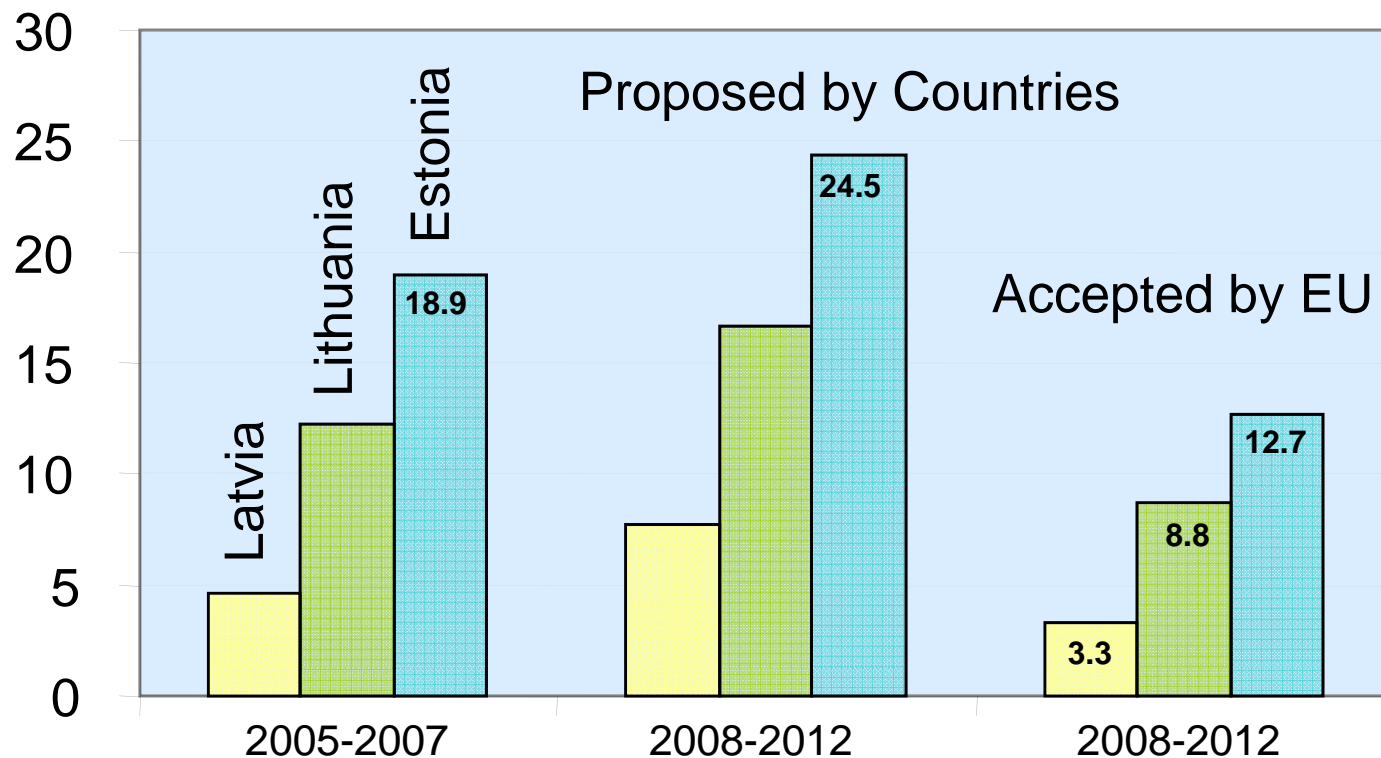
GHG emissions (due to high share of Oil shale)



Source: Dr. Ülo Rudi, Tallinn University of Technology

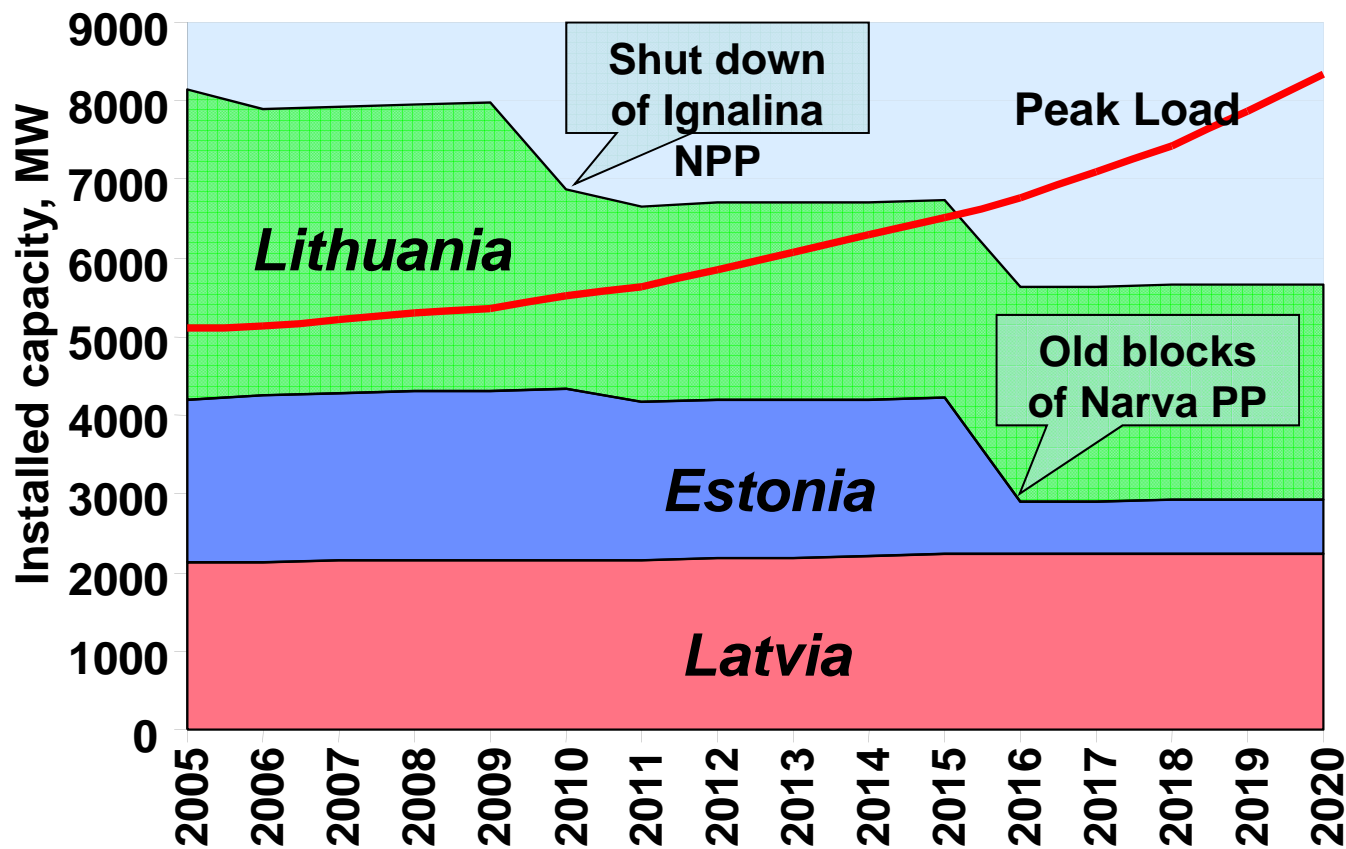
Pollution limits in LV, LT, EE

mil. tons per year



Source: Dr. Ülo Rudi, Tallinn University of Technology

Lack of Power Generation Capacity



Source: GEO Eesti Energia AS, Lietuvos Energija AB

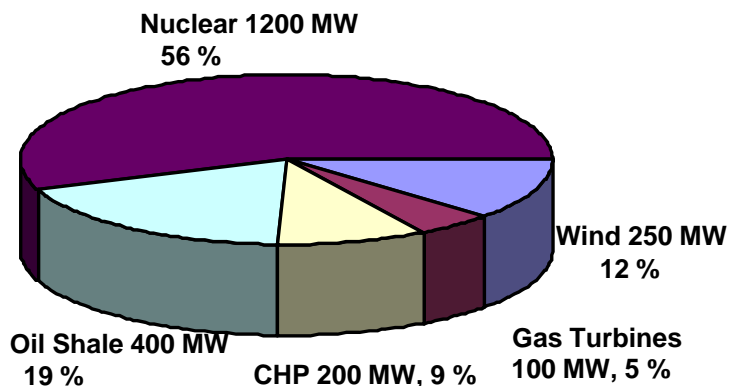
Estonia: Share of Electricity from RES to Gross Electricity Consumption, %

Source	2005	2010	2015
Wind	0.53	2.2	4.5
Biofuel	0.32	2.5	3.0
Hydro	0.21	0.4	0.5
Total	1.06	5.1	8.0

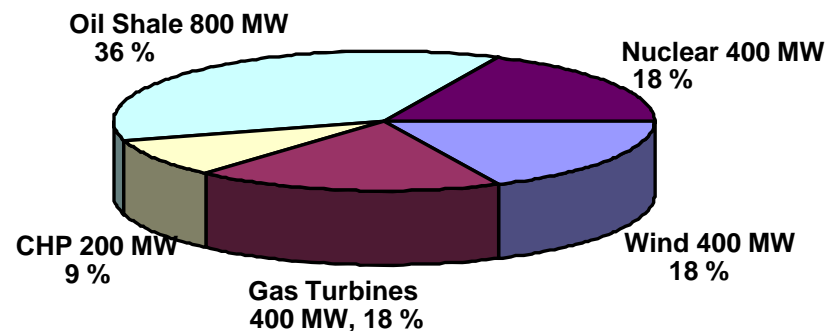
Source: Dr. Ülo Rudi, Tallinn University of Technology

Estonia: future scenarios

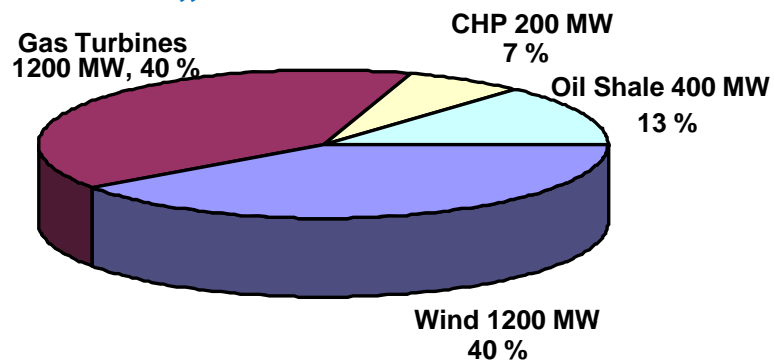
„Nuclear“



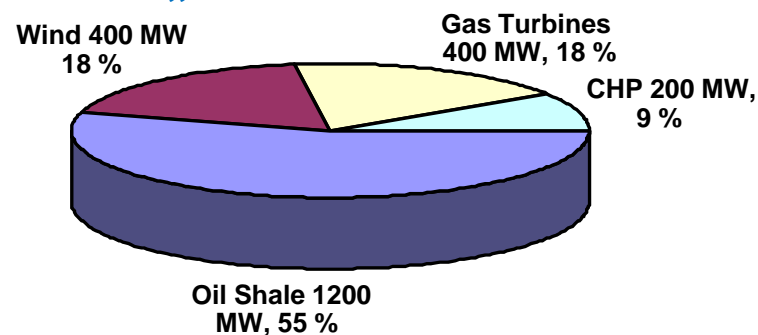
„Balanced“



„Gas / Wind“



„Oil shale“



Source: Dr. Ülo Rudi, Tallinn University of Technology