

E4C - TARGET REGIONS SURVEY

Target Region - local name	Estonia
Target Region - EN name	Saaremaa (Saare Maakond)
	Saaremaa (Saare County)
GENERAL INDICATORS - GEOGRAPHY, DEMOGRAPHY, ECONOMY	
Area (km ²)	2.992
Agricultural land (% of area)	38%
Arable land (% of area)	15%
Forest land (% of area)	57%
No. Inhabitants	37.000
Population density (pers./km ²)	12,6
No. of municipalities	15
GDP/capita (nat. currency)	53000 EEK
GDP/capita (EUR)	3.387 €
GDP/capita (PPS)	5763 PPS
GDP/capita - % of national average	51%
GDP/capita in PPS - % of EU25 (EU25 = 100%; in 2004, EU25 average = 22 286 PPS)	25,9%
Unemployment rate (%)	7%
ENERGY AND ENVIRONMENTAL INDICATORS	
Key primary energy sources	heavy fuel oil, light fuel oil (about 30% together), transport fuel (33,3%), coal (3-4%), wood fuel (33%)
Are primary energy sources imported or available in region?	The majority of primary energy sources are imported from the mainland. The only locally available source is biomass, where the potential is not fully used (especially energy crops, agricultural waste and by-products)
Key final energy consumers	households (45%), industry (30%), tertiary sector (25%)
District heating systems	District heating systems have been built in one town and bigger villages (1 + 9), main fuel is wood (chips, saw dust, bark), 5 small units burn only fossil fuels. The bigger boiler plants use fossil fuels to cover peak load with cold weather.
Share of district heat on final consumption	approx. 55%
Current share of RES in primary energy supply in region	40%
Current share of RES in primary energy supply - national average	16%
Current share of RES in gross electricity consumption	10 % (wind, biogas CHP)
Current share of RES in primary energy supply - national average	1%
Key RES with highest potential	biomass (wood chips, saw dust, bark, demolition wood, forestry residues), energy crops, agricultural waste, reed, biogas, wind, solar
Total amount of primary energy supply (GWh/year)	750
OTHER INFO - activities within region	
Have contacts with local/regional authorities been already established?	Yes, regular contacts with regional administration, sight visits to local administrations
Other activities/projects in region that could be complementary/contributing to E4C	Reconstruction of Sõmera Medical Centre's Heat Supply System (1997), Analyses of the Energy Investments in Saare County (1997), Saare County Energy Utilisation Strategy and Action Plan until 2015 (2001), Energy Master Plan for Saare County (1998), Investigation of Energy Resources of the Estonian Islands (1994), Feasibility Study for CHP installation in Kuressaare Soojus Ltd - Support for Development of National Strategy for Utilisation of Combined Heat and Power (2003), Zoning in Laimjala, Leisi, Muhu, Ruhnu and Salme Municipalities for Implementation of Wind Energy Based on Environmental and Socio-economic Factors (2001), Zoning in Põide, Orissaare, Kihelkonna, Torgu and Lümända Municipalities for Implementation of Wind Energy Based on Environmental and Socio-economic Factors (2001), Zoning in Kaarma, Kärla, Mustjala, Pihla and Valjala Municipalities and Roomassaare region for Implementation of Wind Energy Based on Environmental and Socio-economic Factors (2002)
Have separate institutions responsible for RES & RUE development been set up already in the region (e.g. Local/regional energy agency etc.)?	yes - NPO Renewable Energy Association on Islands founded in 1992
Are there RES/RUE projects already financed from Cohesion/Structural Funds within region?	no
Have strategic/planning documents for the region elaborated and are available?	yes
If so, specify	Regional Development Plan for Saare County, Energy Development Plans for local municipalities
Have any measures been taken to analyse RES & RUE potential within region?	yes, different studies since 1994
Is the region/community providing financial support to RES & RUE projects?	yes, installation of new or reconstruction of old boilers, reconstruction of district heating distribution network
Are there any projects / activities / awareness campaigns promoting RES & RUE in region?	yes, publication of a booklet and a training programme for schoolchildren on RES and RUE supported by Tallinna Soojus Ltd, seminars and conferences for different target groups
OTHER INFO - availability of data	
Is general statistical data for region available?	yes, but not very comprehensive
If so, please give key source of information	Statistics Estonia
Is data for region available by smaller units? (i.e. by municipality)	Not any more
Is energy statistical data for region available?	can be collected only from special studies
If so, please give key source of information	Saare County Government, Regional Energy Planning documents
Is information on RES/RUE projects already supported from Cohesion/Structural Funds within/outside region available?	yes - for Estonia in general
If so, please give key source of information	Estonian Ministry of the Environment, department of strategy and investment
Notes	Official statistics is now available only for the whole West-Estonia, shares gives above are estimations.exact data are not available

RES = Renewable Energy Sources

RUE = Rational Use of Energy (= Energy Efficiency)