

- 1) Gross floor area 2012, calculated on the basis of outer surfaces
- 2) Data source Statistics Finland 2012. Dwelling and housing conditions. Building heating measured as from building units
- 3) Official Statistics Finland 2012 Energy sources for space heating by type of buildings, Electricity consumption
- 4) Calculation is based on gross floor area. District heating (dh), wood fuels (w) and electricity (e). Statistics Finland
- 5) Wood (w), stone (st),
- 6) the value is based on the sum of heating energy and household appliances
- 7) Calculation is based on the units of buildings. District heating (dh), wood (), electricity (e).
- 8) Private (pr), tenure (ten)
- 9) year 2013
- 10) Include space heating and warming the water in a year 2012 for the units (?) Rounding is made for the values that are presented for unit of buildings. Detached house values include also semi-detached houses, multi-dwelling apartment values consist block of flats and attached houses (Sahlén and Blomqvist 2013).
- 11) Year 2011? Lychkov et al 2012.
- 12) IEA country reports for the year 2011. Rounding is done. Emissions are from fuel combustion only. Energy consumption includes not marine and aviation transportation
- 13) World Bank Report 2008.
- 14) Calculations are based on the total dwelling floor space for the year 2012. Source: Russia in Figures 2013, Russia Federal Statistics.
- 15) Value is for the year 2005-2008. IEA Report of Russian energy indices 2011
- 16) for multifamily, high-rise buildings kWh/m²/year. Data source World Bank 2008.
- 17) calculated from TFC in mtoe with the equation $(mtoe \times 41868)/1000$
- 18) calculated from TWh with the equation: $(GWh \times 3.6)/1000$
- 19) Chapter III, calculated in a year 2002
- 20) Statistics Norway, year 2012, emissions for households only
- 21) Sbsa 2007, values are calculated for heating space and water for piobenchmark dwelling according to calculation procedure of each country. Degree days are not taken into account.
- 22) BPIE 2011.
- 23) Statistics Sweden 2006, space and water heating
- 24) year 2011, Final energy use in residential and service sector, Swedish energy agency and Statistics Sweden, temperature corrected 157.1 TWh
- 25) total floor area in m² Atemp3, "15 proposals to accelerate energy efficiency in current apartment buildings"
- 26) Swedish energy agency, average value for year 2009
- 27) Paiho et al 2014, value is the sum of heating energy consumption and used electricity per square meter
- 28) Boverket 2005, Utility floor area per inhabitant
- 29) Year 2012. For dwellings in different building types, Total floor area is measured from the inner surfaces of its walls, floor area per habitant is measured from inner surfaces of the walls
- 30) Thyholt et al

- 31) Statistics Norway. 6 Average energy consumption by house type, year of construction and region. KWh utilized energy per household 1995,2001,2004,2006,2009. Average over the years.
- 32) European heat pump market and statistic report 2013
- 33) Energy efficiency trends in building in the EU, Lapillone et al 2012, Specific energy consumption per building
- 34) Wahlström et al 2013
- 35) Sahlin and Blomqvist 2013a
- 36) Energy in Sweden 2012, values are for the year 2010, electricity, heating energy use are for detached houses
- 37) year 2003, calculated from occupied dwelling stock
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