

Decarbonisation of the European heating sector

Sweden as a role model for how heat pumps could pave the way and
RePowerEU

May 26, 2023

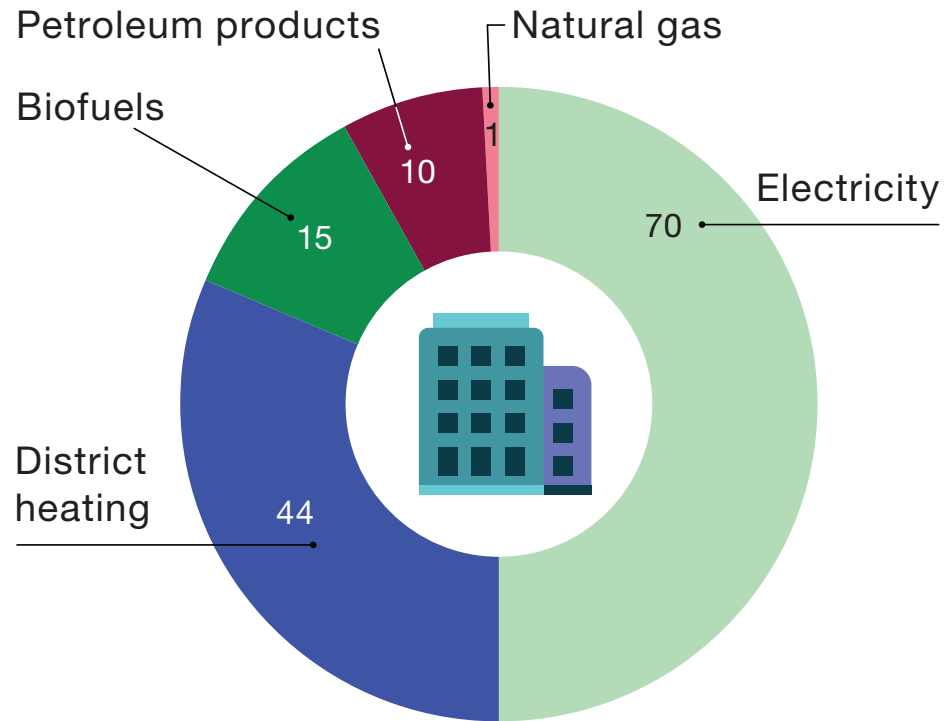
National Museum of Science & Technology

Dr. R. Kolessar

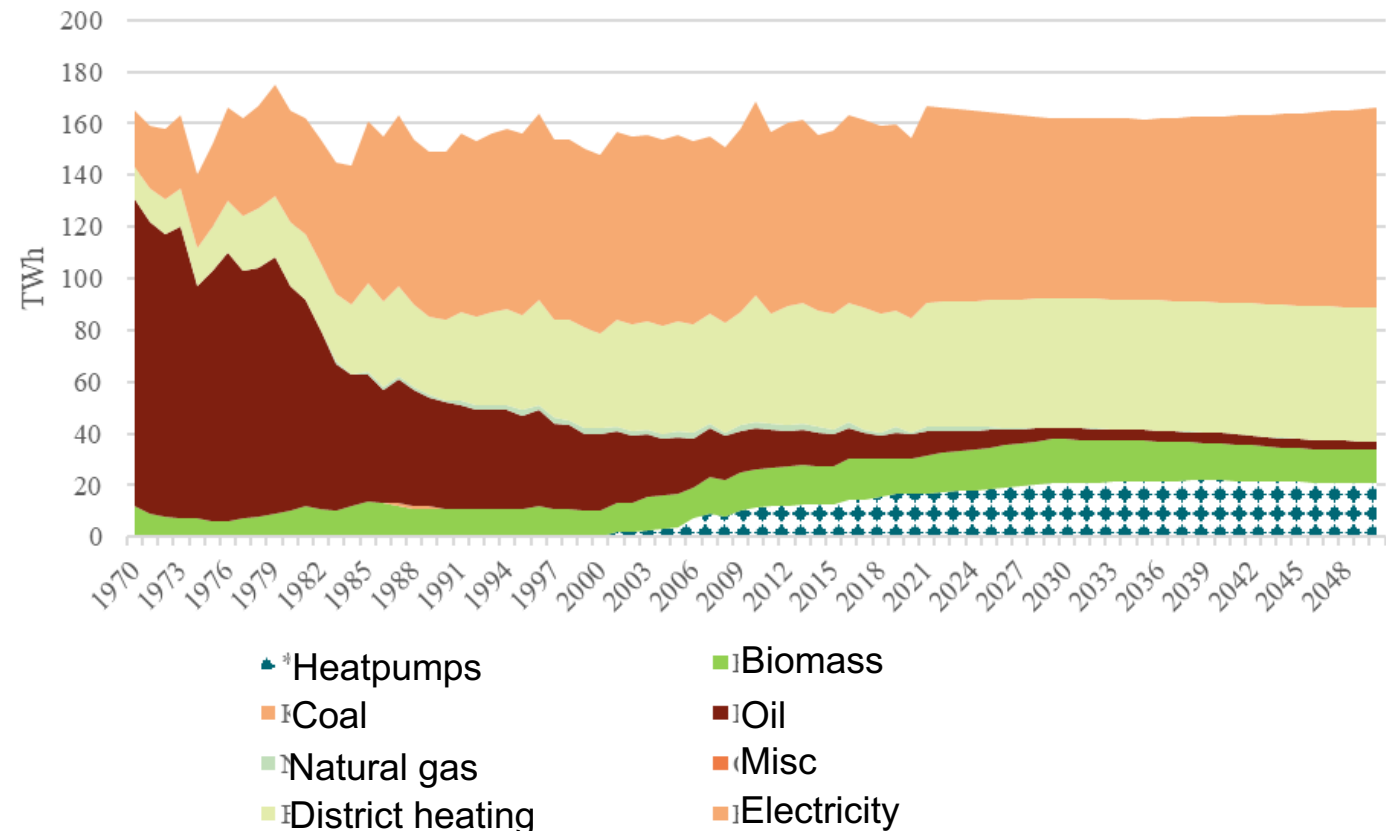
*Director Research, Innovation & Business Development
Swedish Energy Agency*

Sweden is a pioneer in decarbonisation of the heating sector

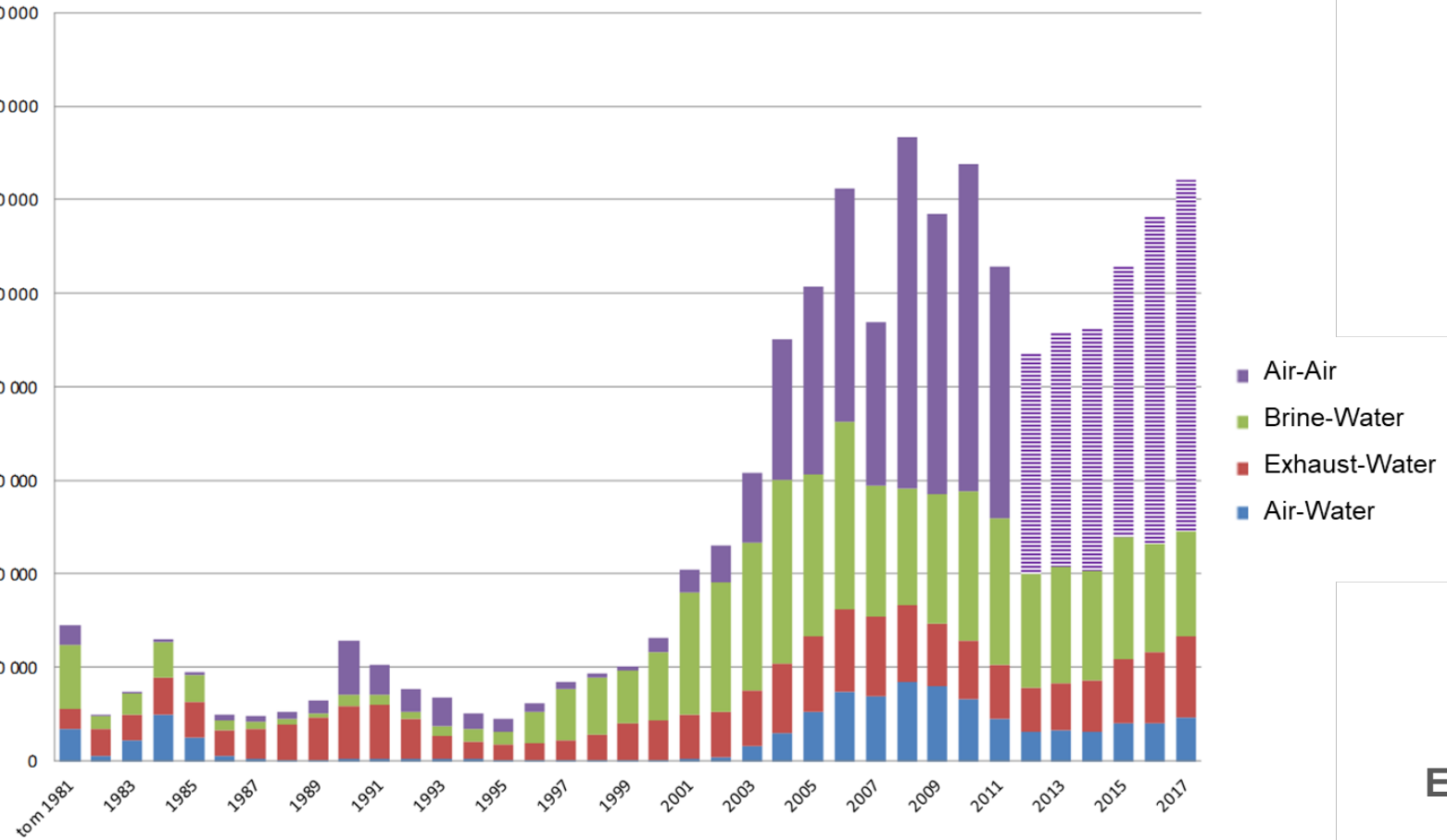
Final energy use in the residential & service sector 2020, TWh



Final energy use in the residential & service sector
Statistics & Scenarios

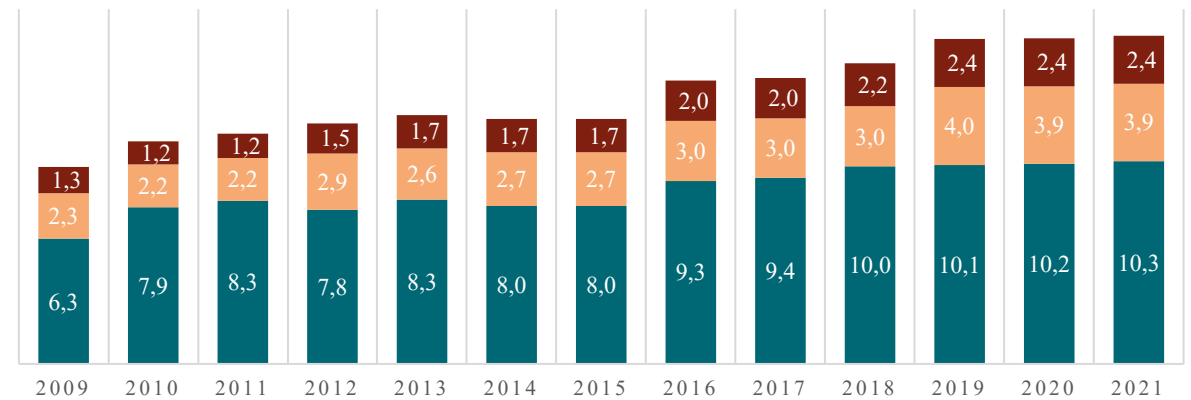


Sales of heat pumps in Sweden 1982-2017



ENERGY FROM HEATPUMPS

Småhus Flerbostadshus Lokaler



A mix of coordinated & comprehensive policy frameworks

Sweden's
carbon tax
introduced in
1991

Technology
procurement

Investment
support in early
stages

Long term
RD&D
programme

National &
international
collaboration

A mix of technology push & market pull



Dr. R. Kolessar

Director

016-544 22 05

remy.kolessar@energimyndigheten.se

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