sweet swiss energy research for the energy transition

CoSi

Model result comparison

Modelling teams

CROSS

03.12.2025

Outline

Electricity supply and demand, annual and hourly

Transport

Space heating and process heat supply

Hydrogen, methane and liquids supply and demand

Electricity supply and demand, annual and hourly

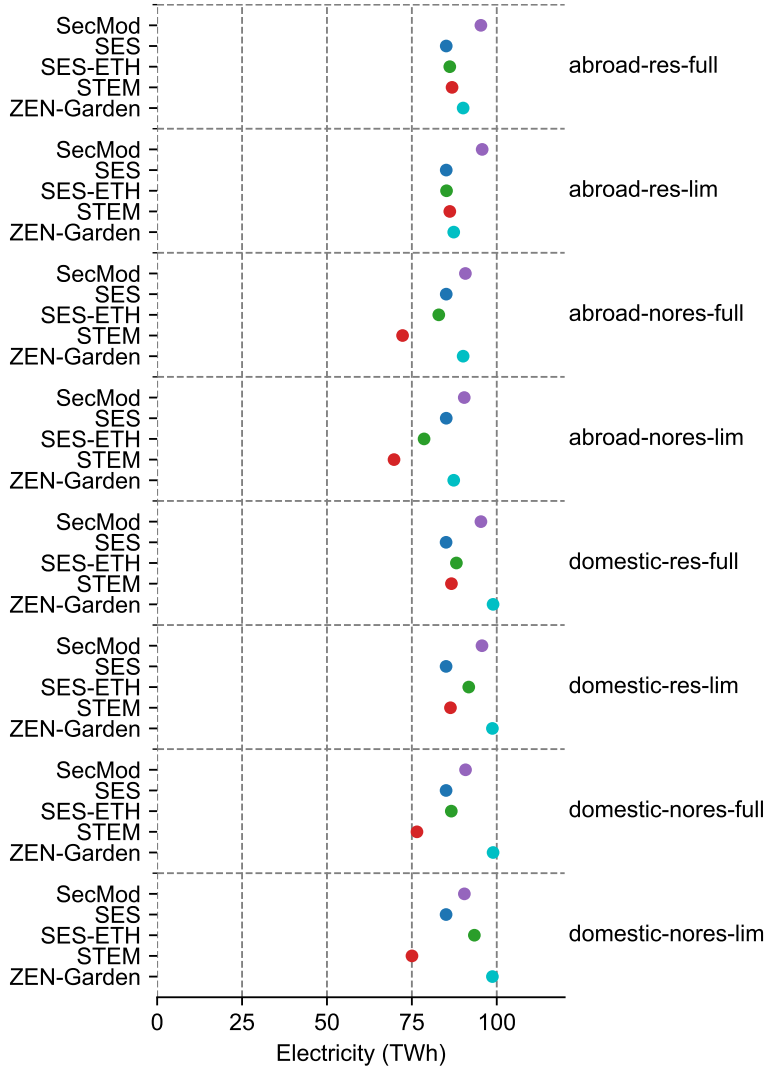
Transport

Space heating and process heat supply

Hydrogen, methane and liquids supply and demand

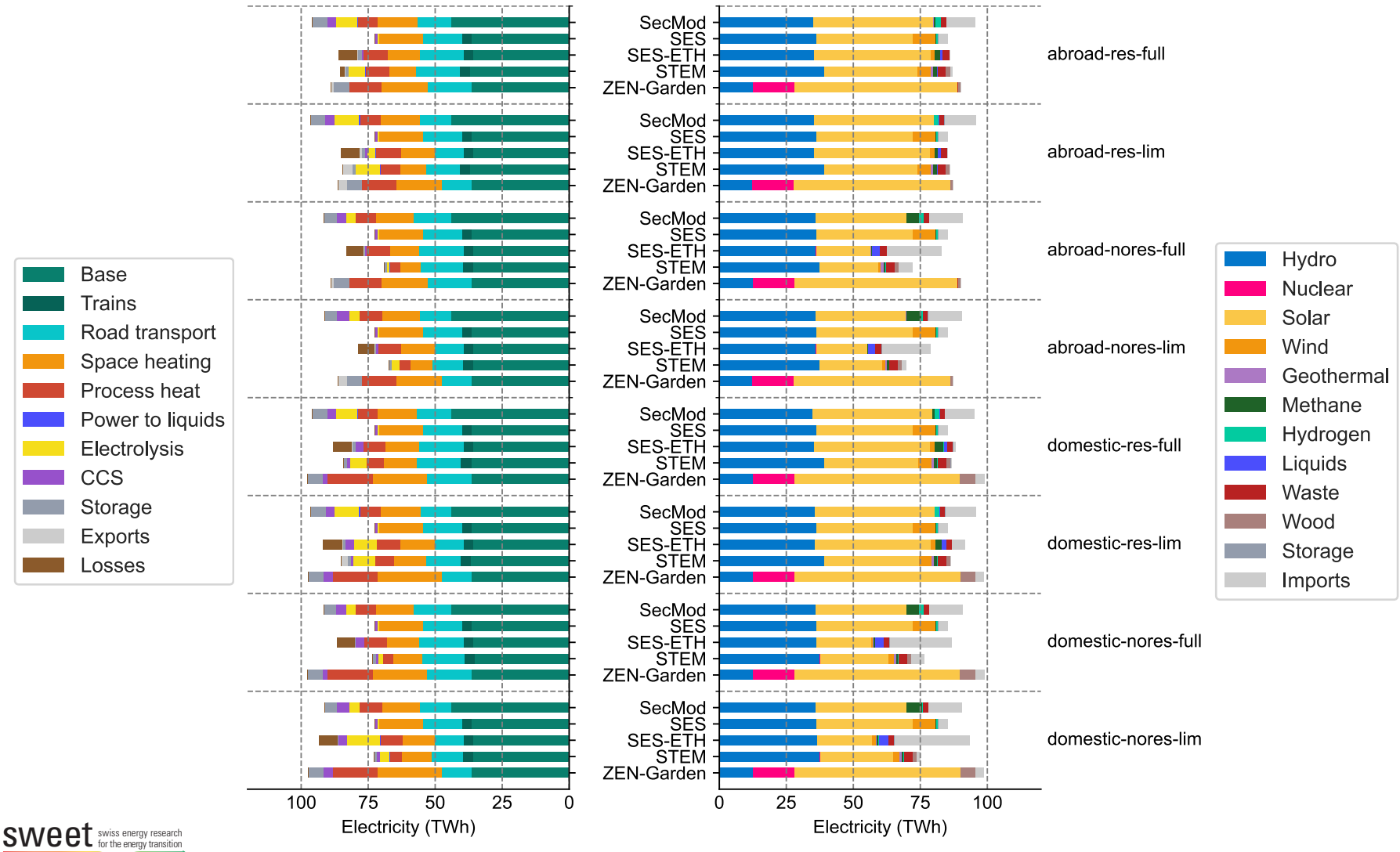
Electricity demand (2050)

Total



Electricity use and supply (2050)

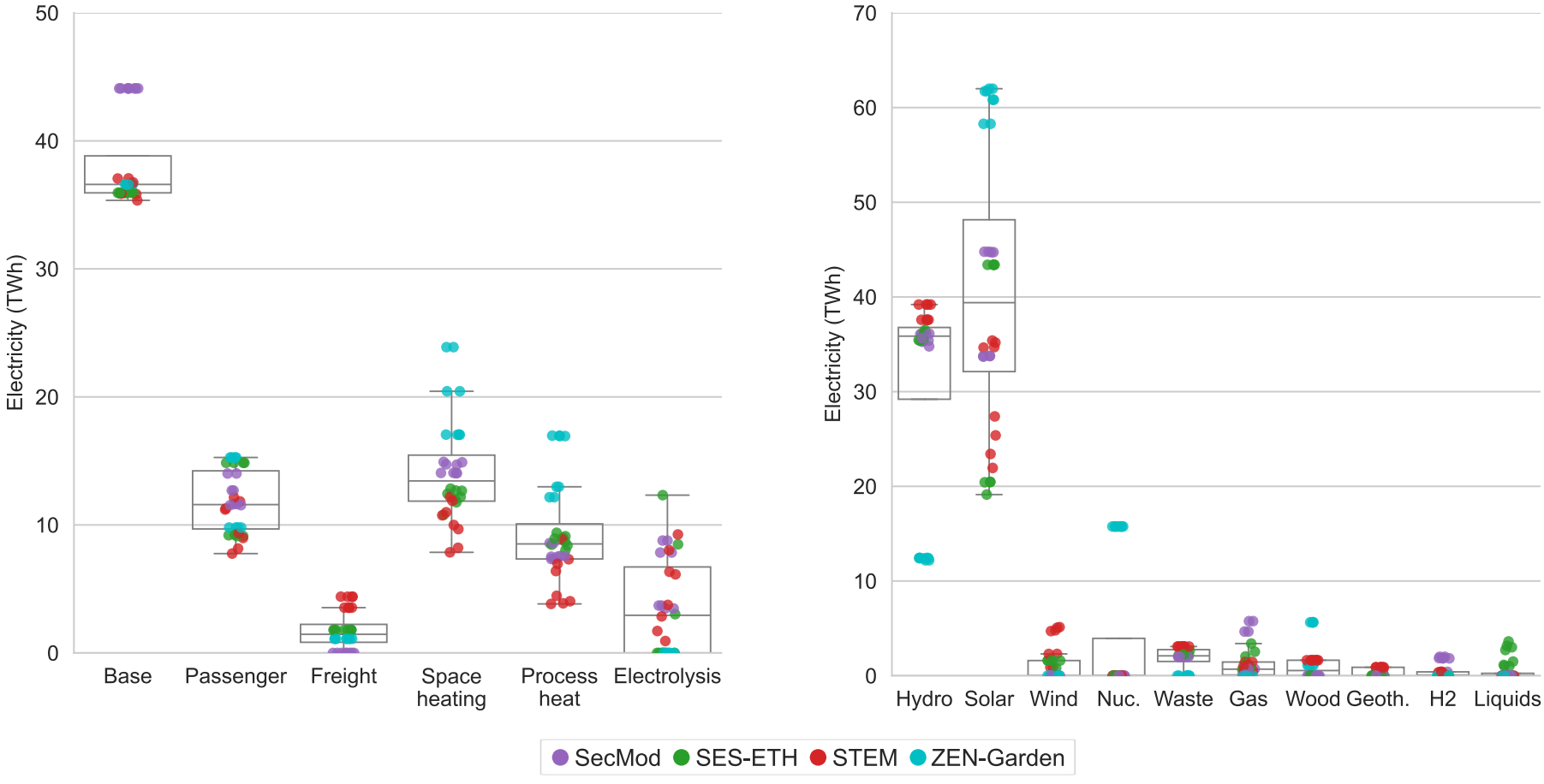
By end-use and technology



sweet swiss energy research for the energy transition
CoSi

Electricity use and supply (2050)

By end-use and technology



Electricity supply and demand, annual and hourly

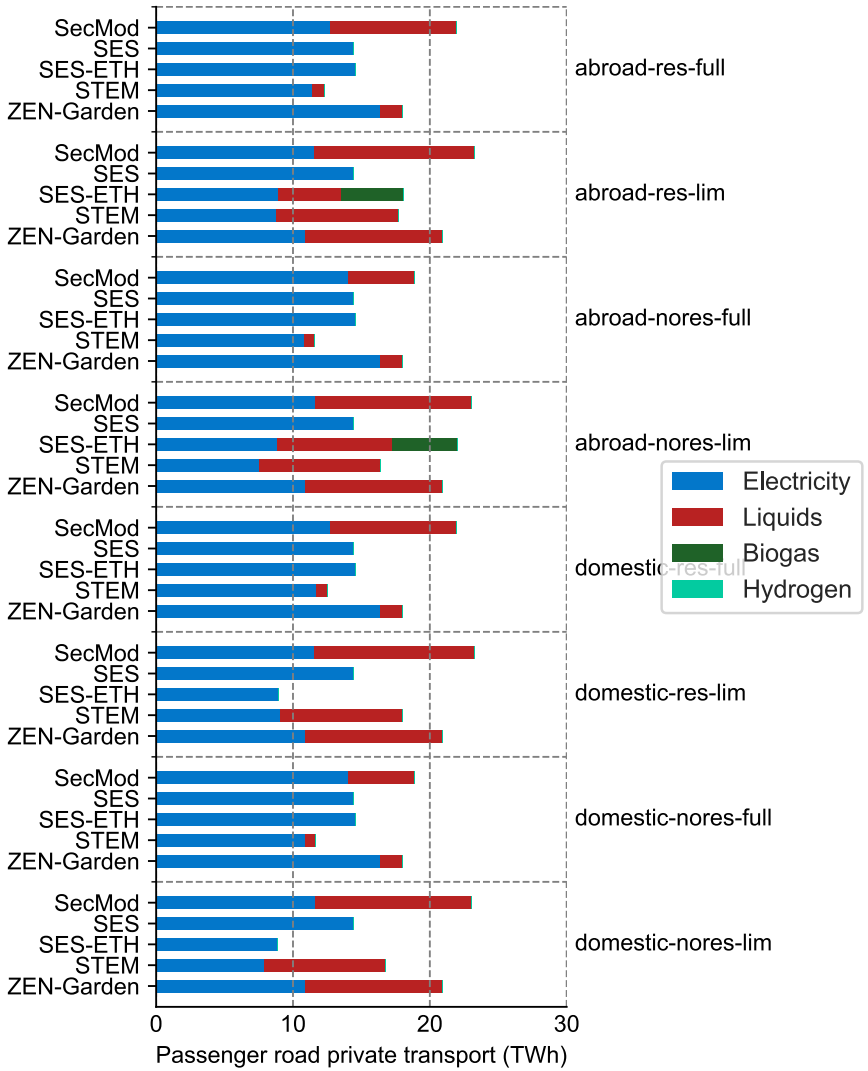
Transport

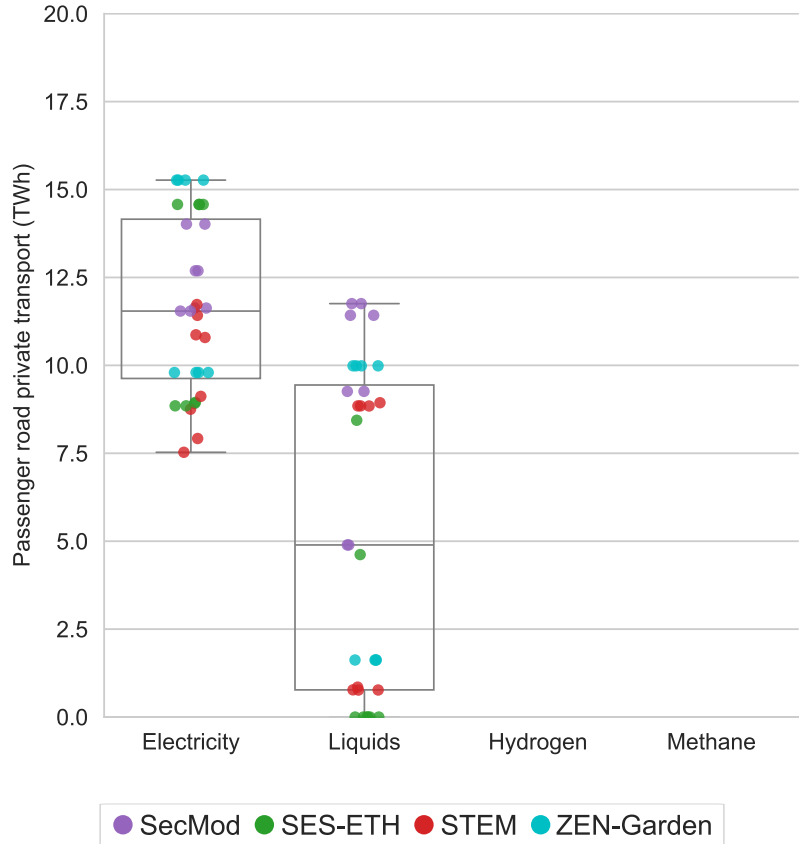
Space heating and process heat supply

Hydrogen, methane and liquids supply and demand

Road transport passenger private (2050)

By fuel

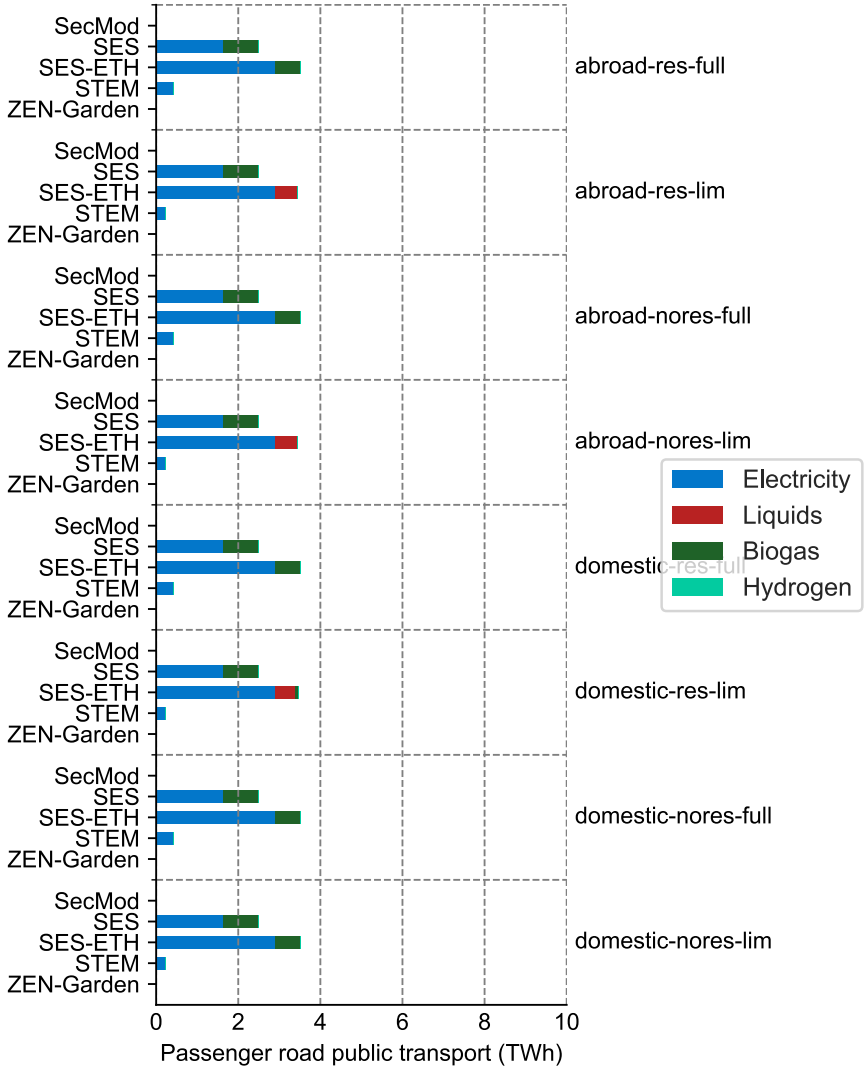


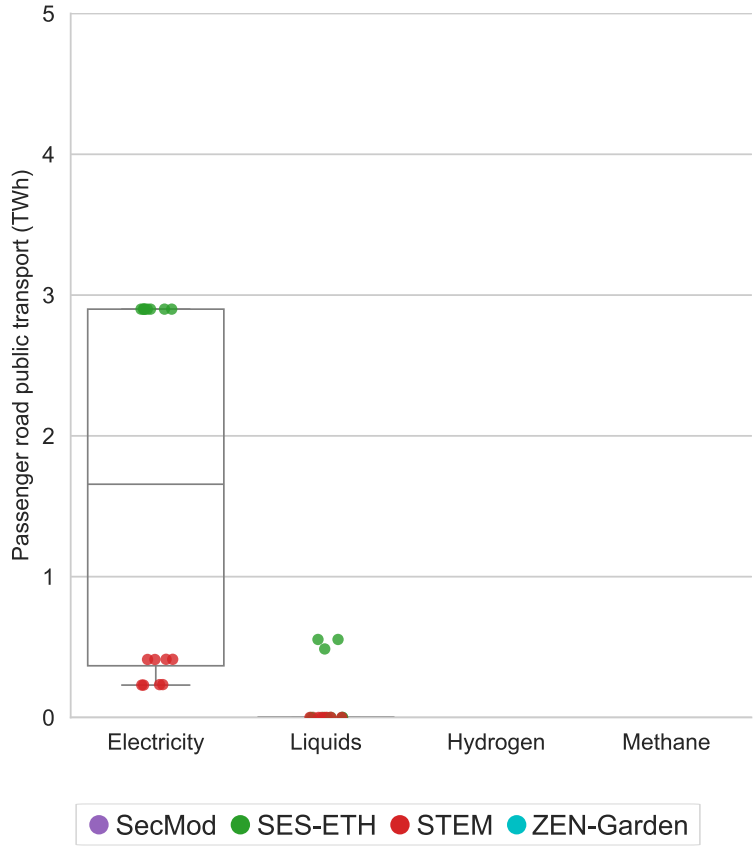


sweet swiss energy research for the energy transition
CoSi

Road transport passenger public (2050)

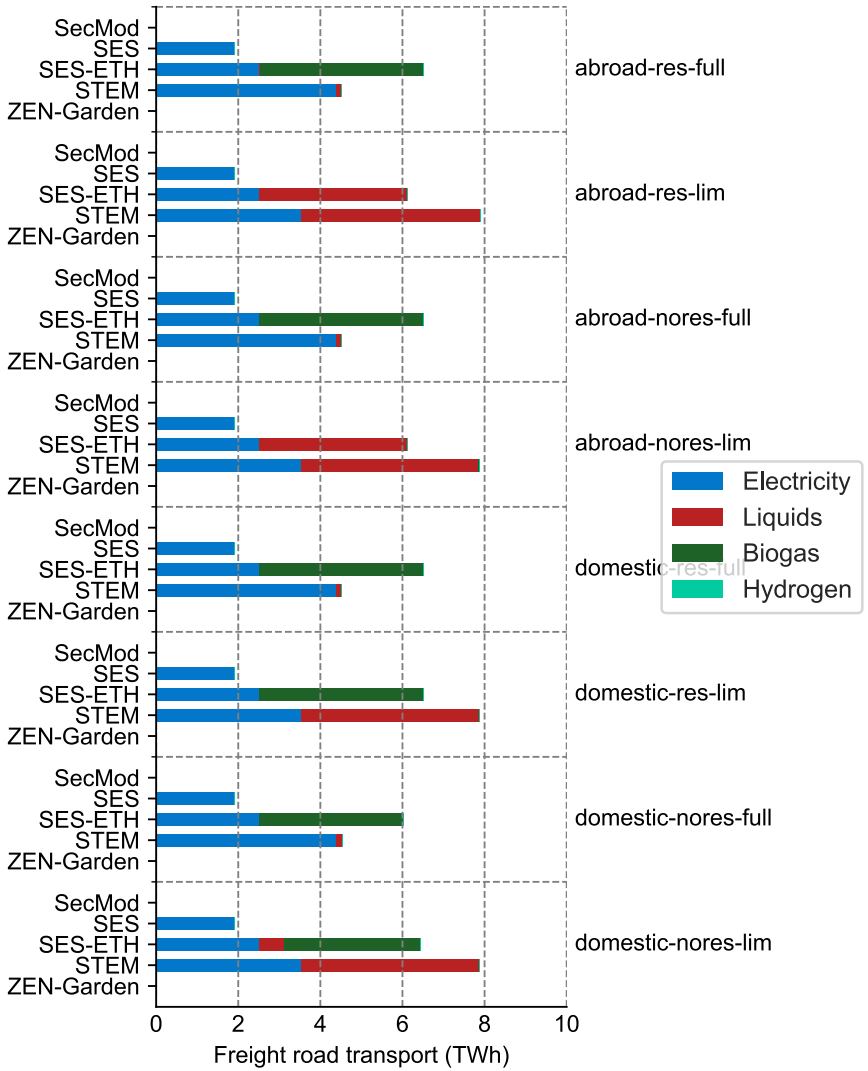
By fuel

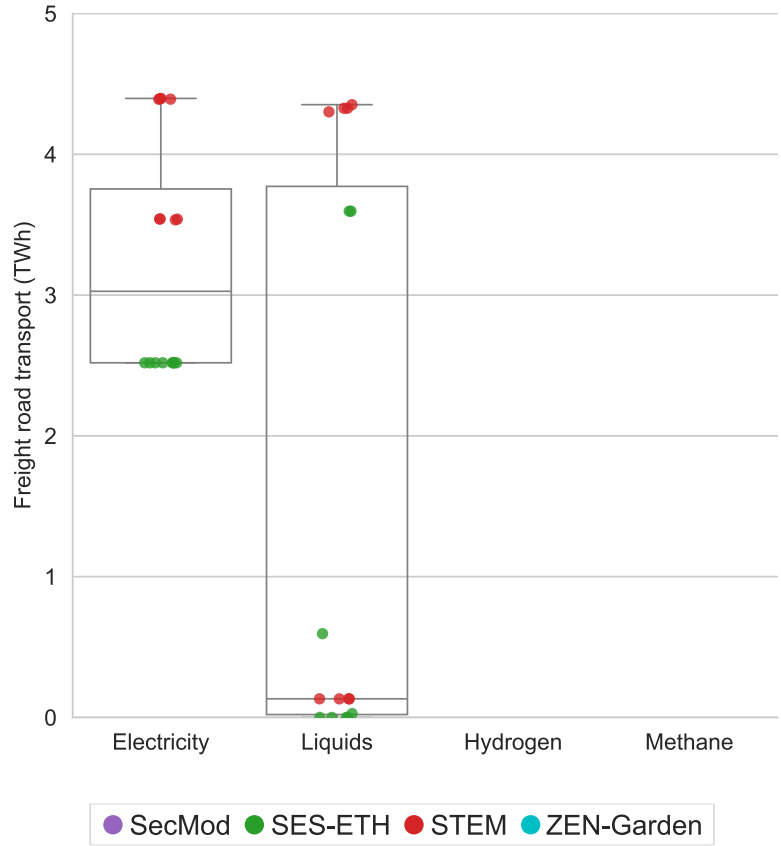




Freight transport (2050)

By fuel





sweet swiss energy research for the energy transition
CoSi

Electricity supply and demand, annual and hourly

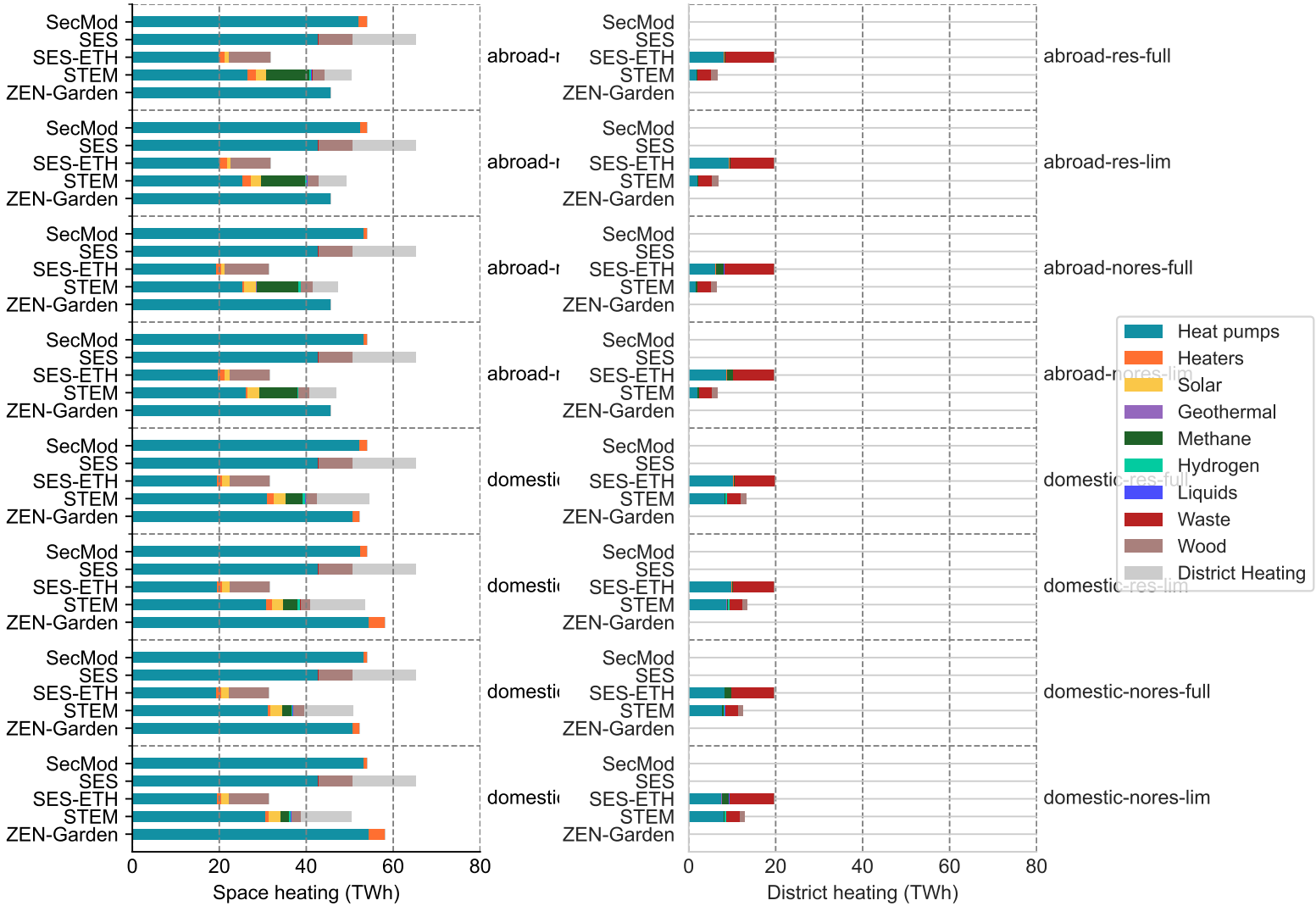
Transport

Space heating and process heat supply

Hydrogen, methane and liquids supply and demand

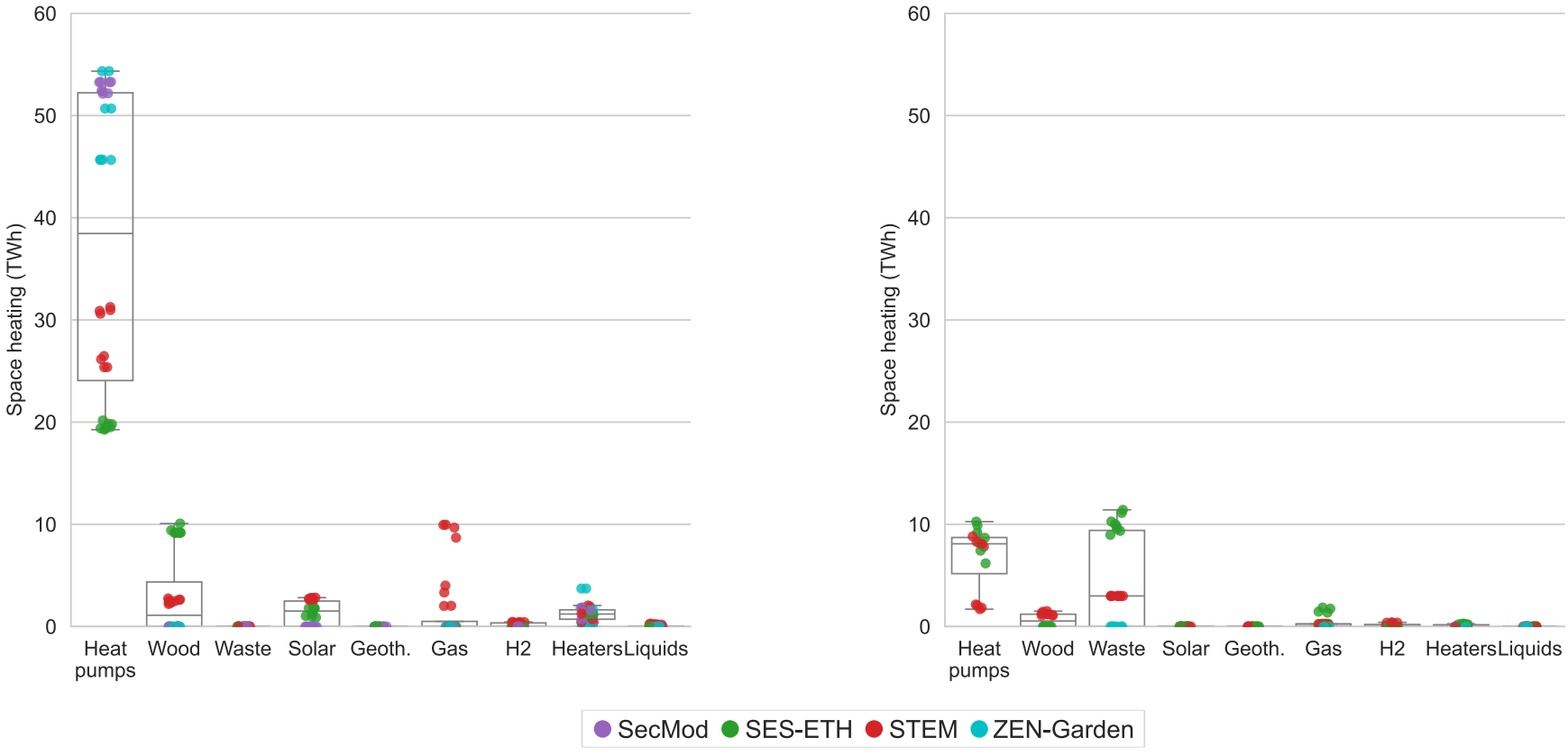
Space heating and hot water (2050)

By technology



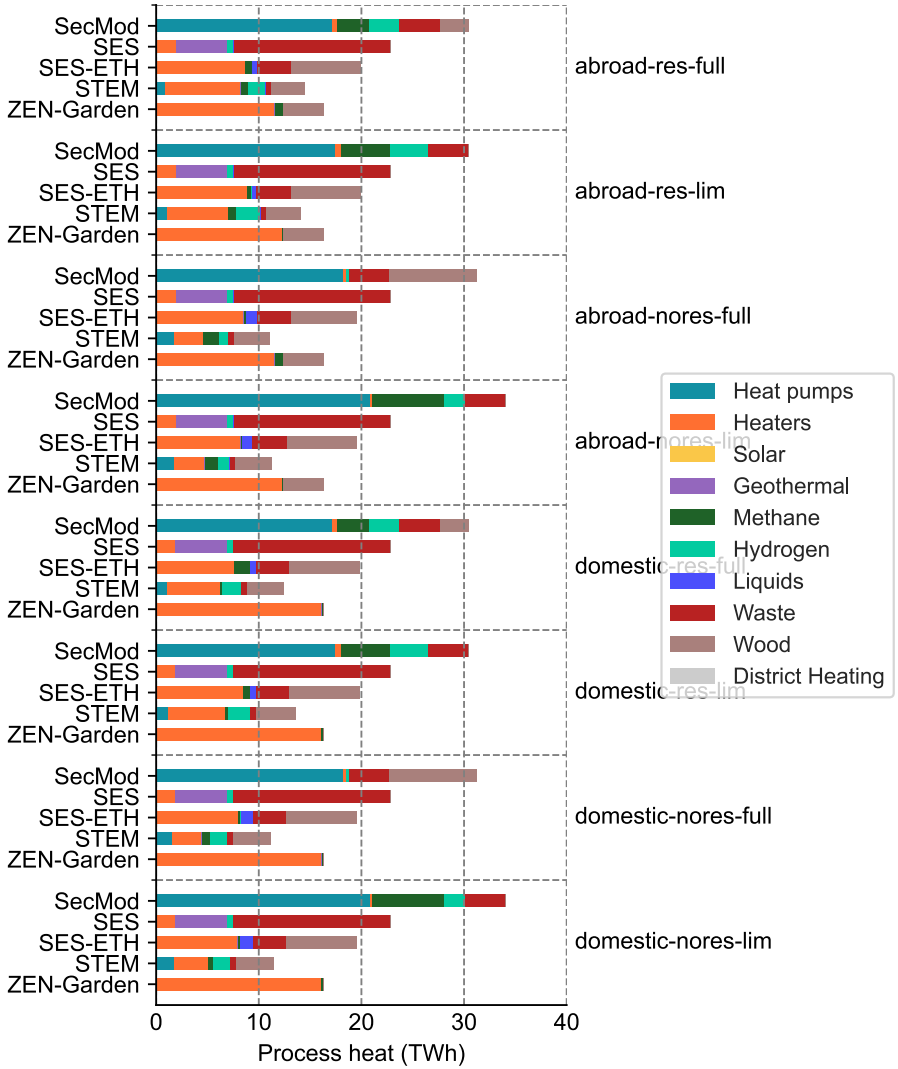
Space heating and hot water (2050)

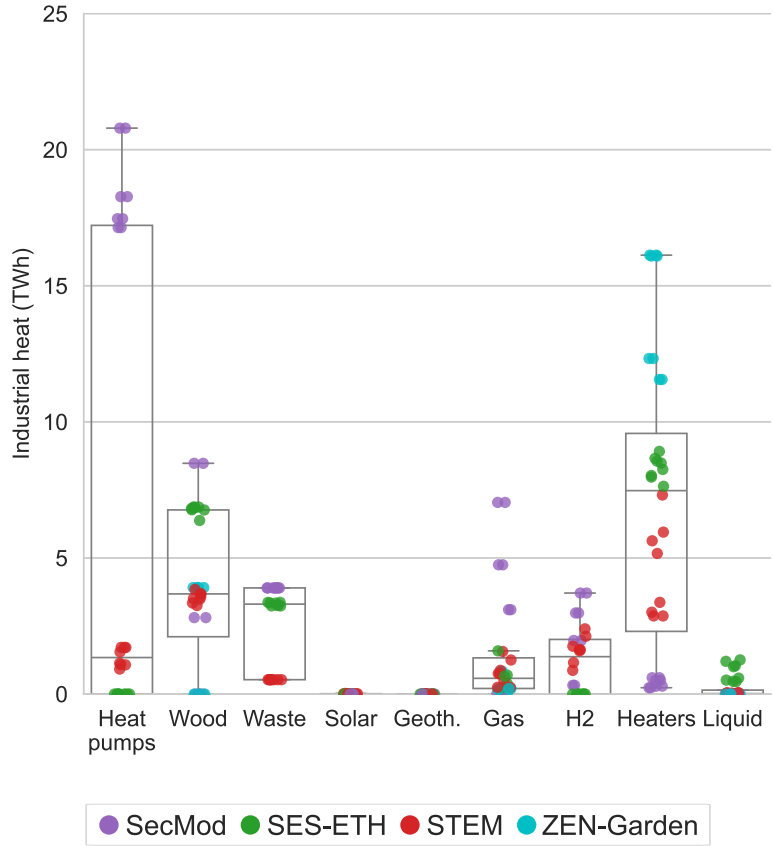
By technology



Industrial heat (2050)

By technology





Electricity supply and demand, annual and hourly

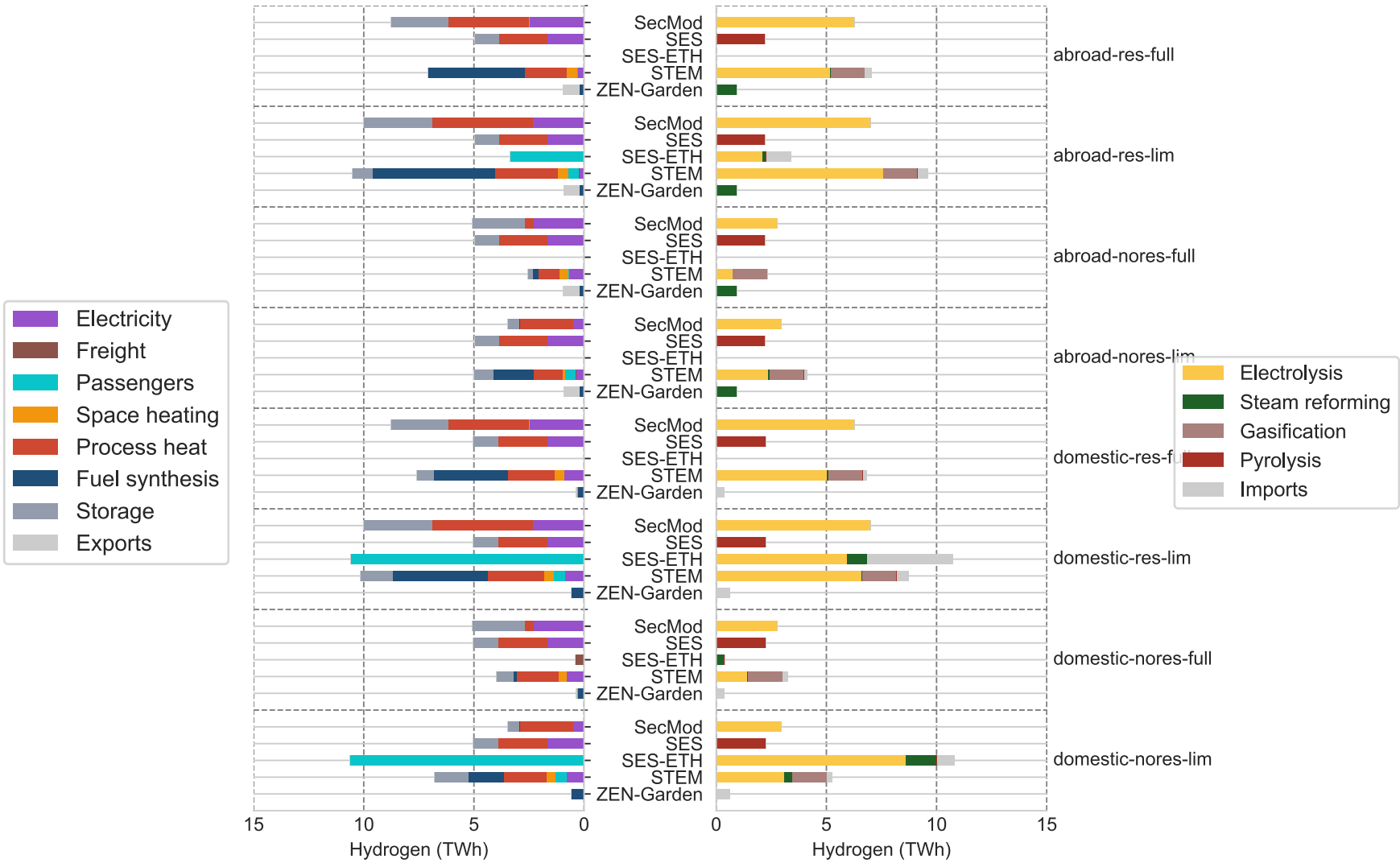
Transport

Space heating and process heat supply

Hydrogen, methane and liquids supply and demand

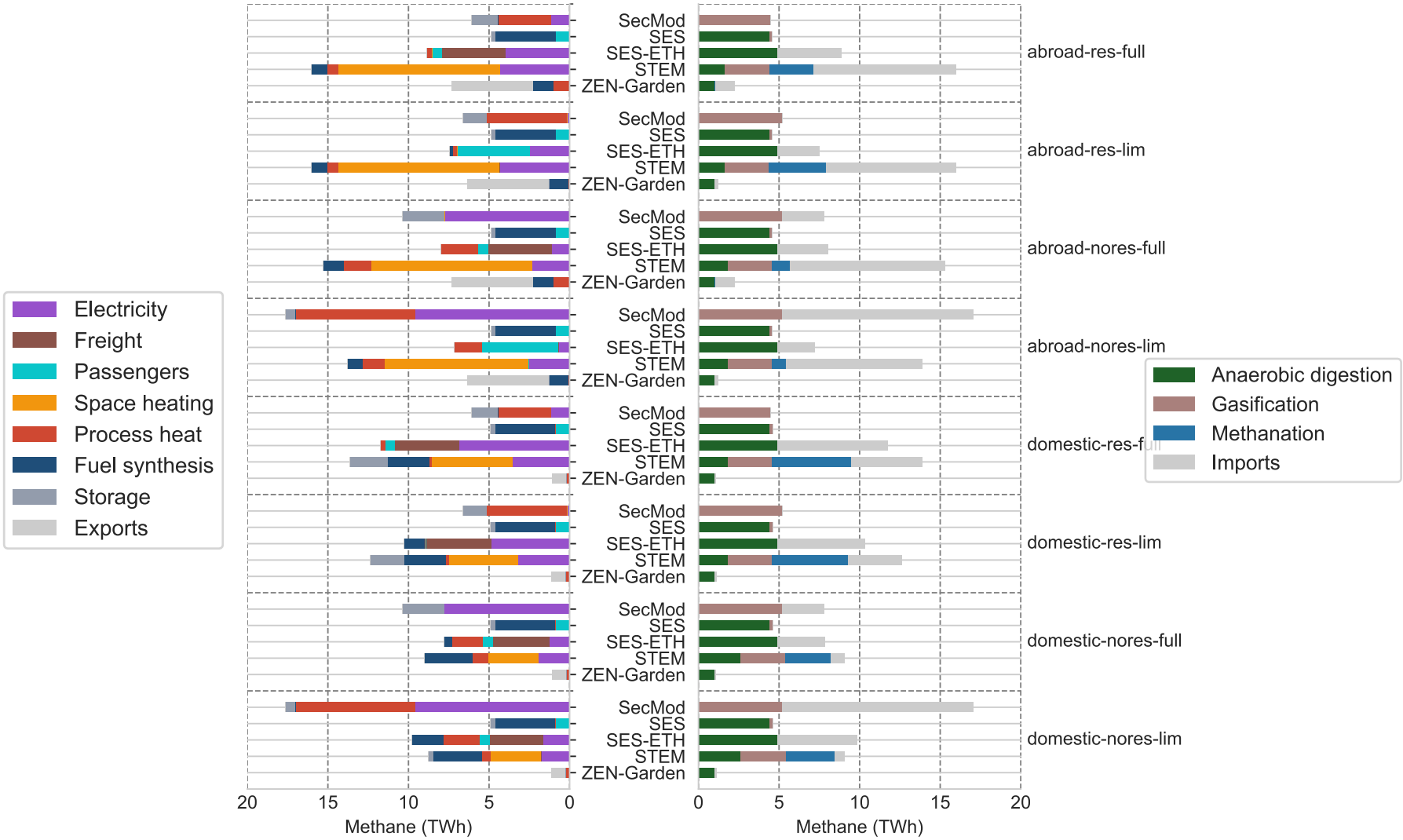
Hydrogen use and supply (2050)

By end-use and technology



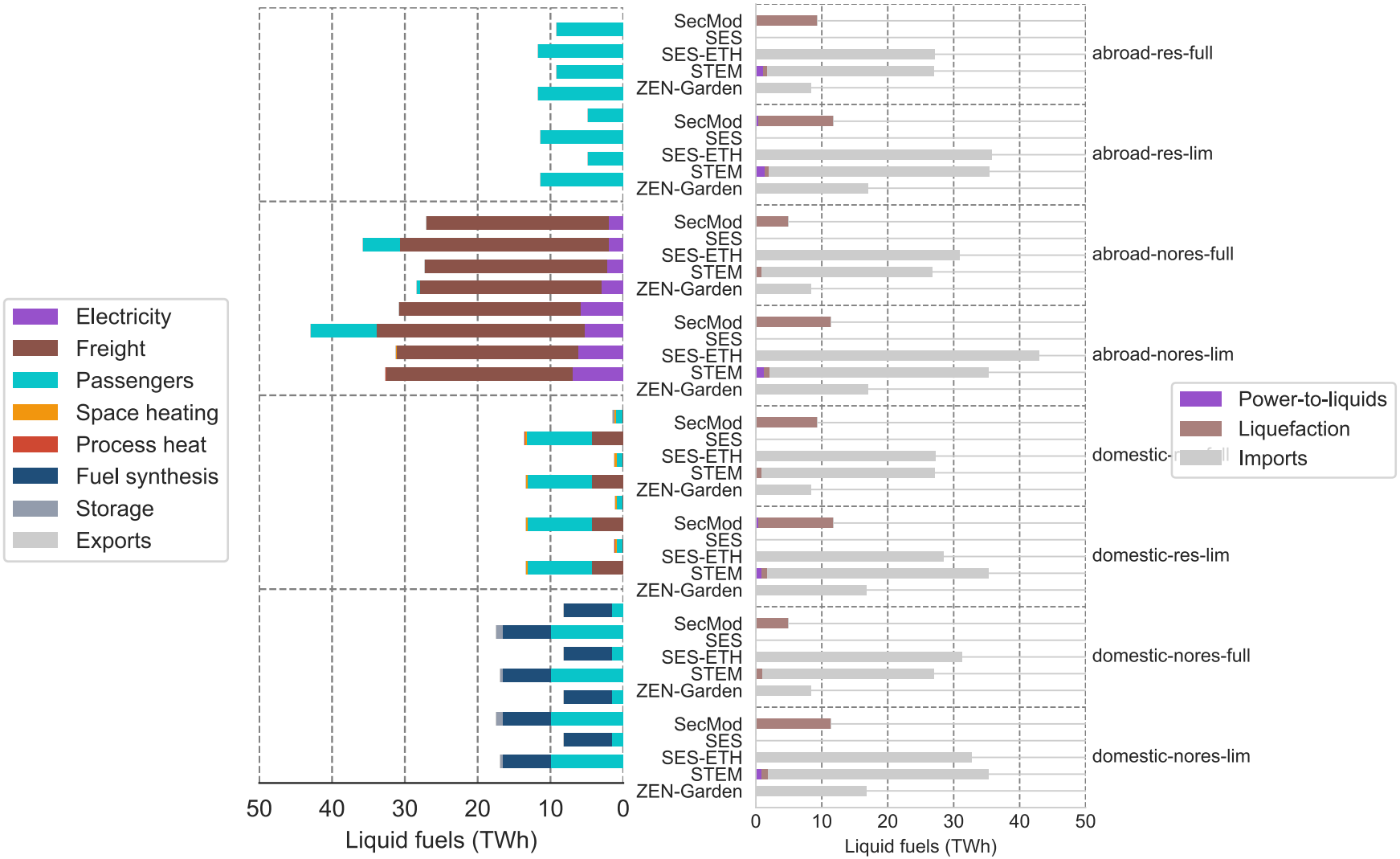
Methane use and supply (2050)

By end-use and technology



Liquids use and supply (2050)

By end-use and technology



sweet swiss energy research for the energy transition
CoSi

sweet swiss energy research for the energy transition

CoSi

Thank you for your attention

Acknowledgment:

This presentation was designed by the SWEET CoSi consortium, which is sponsored by the Swiss Federal Office of Energy's SWEET programme