



# Model result comparison

## Modelling teams

CROSS

17.10.2025

# 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**

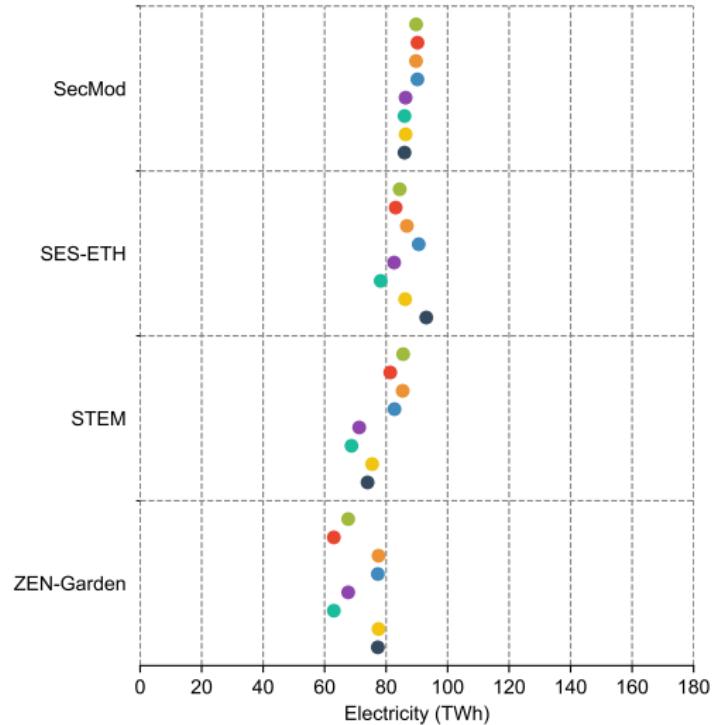
Transport

Space heating and process heat supply

Hydrogen, methane and liquids supply and demand

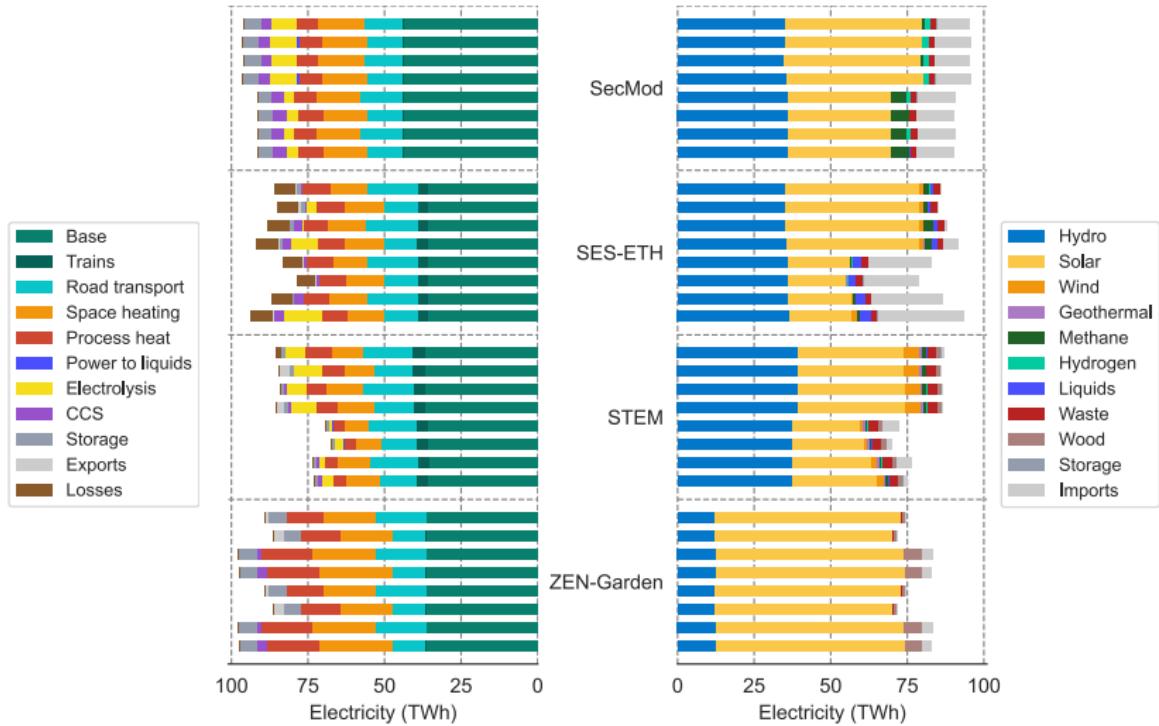
# Electricity demand (2050)

Total



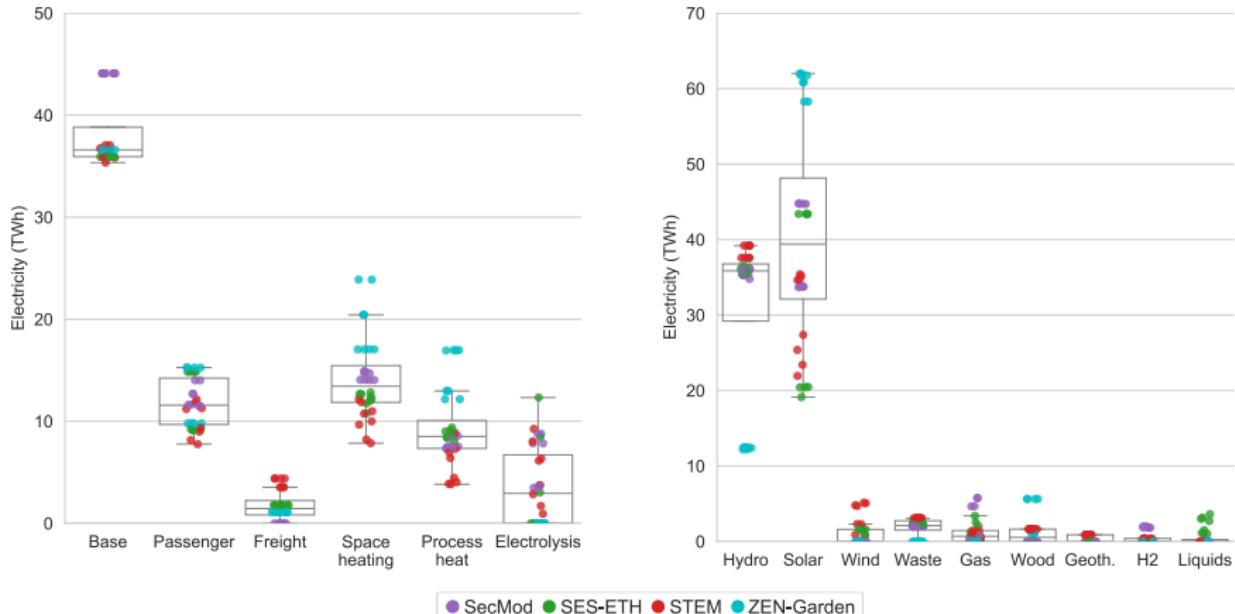
# Electricity use and supply (2050)

By end-use and technology



# Electricity use and supply (2050)

## By end-use and technology



Electricity supply and demand, annual and hourly

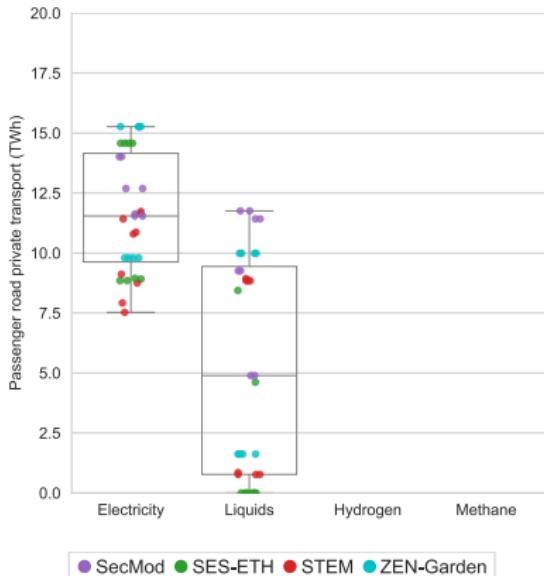
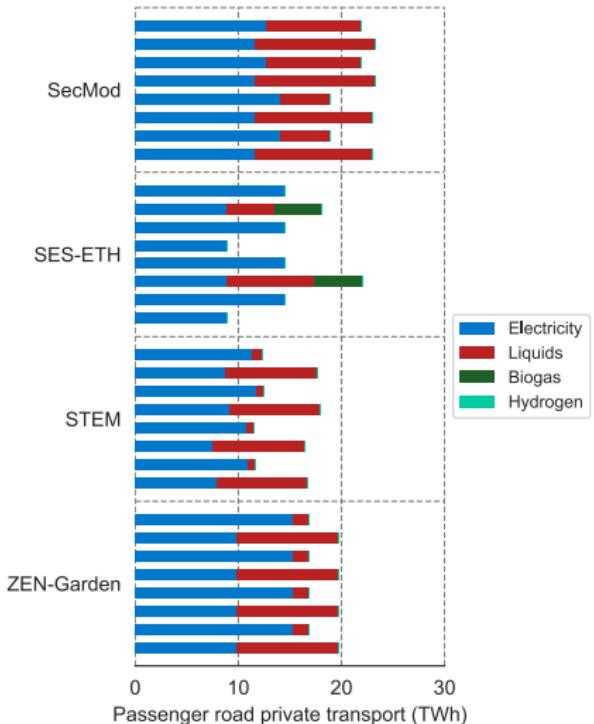
## **Transport**

Space heating and process heat supply

Hydrogen, methane and liquids supply and demand

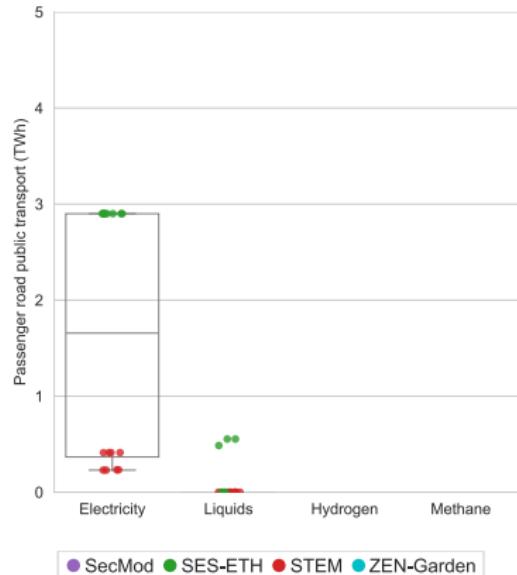
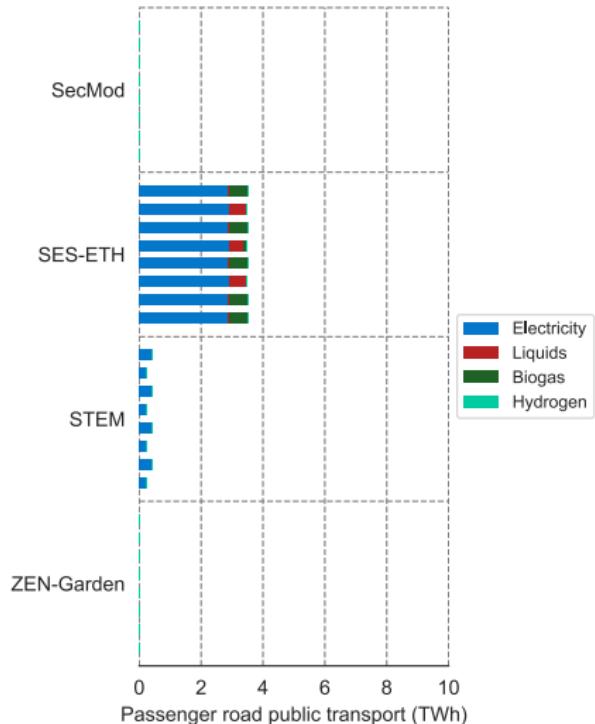
# Road transport passenger private (2050)

By fuel



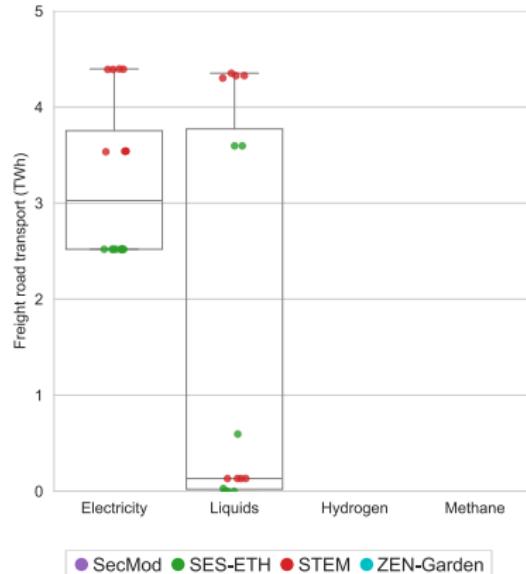
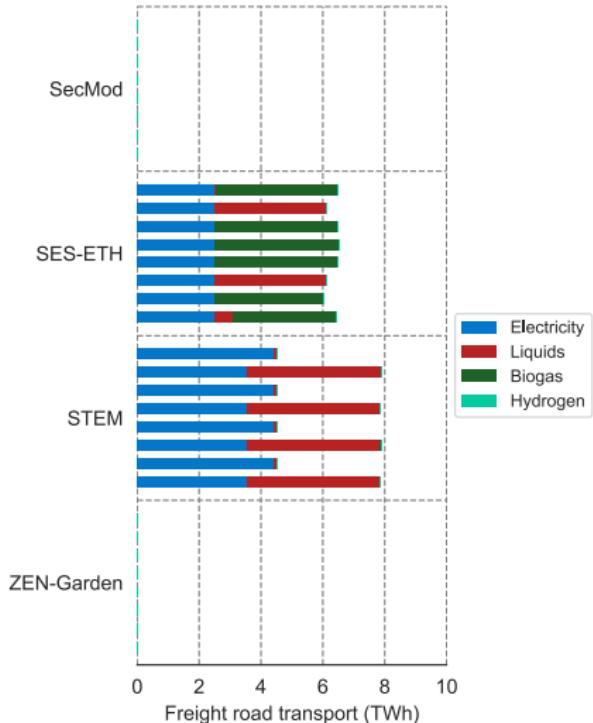
# Road transport passenger public (2050)

By fuel



# Freight transport (2050)

By fuel



Electricity supply and demand, annual and hourly

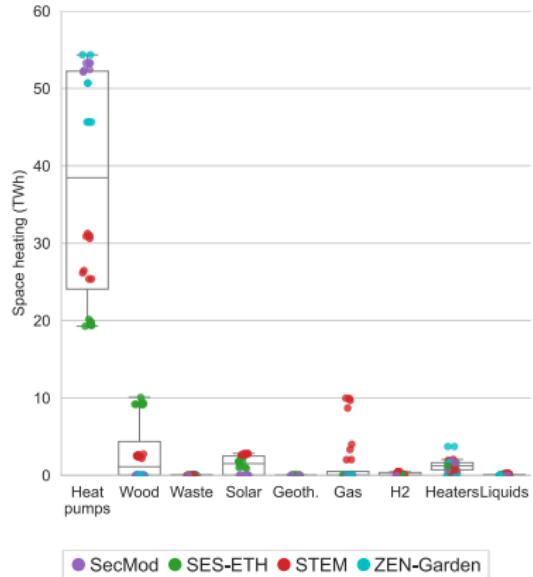
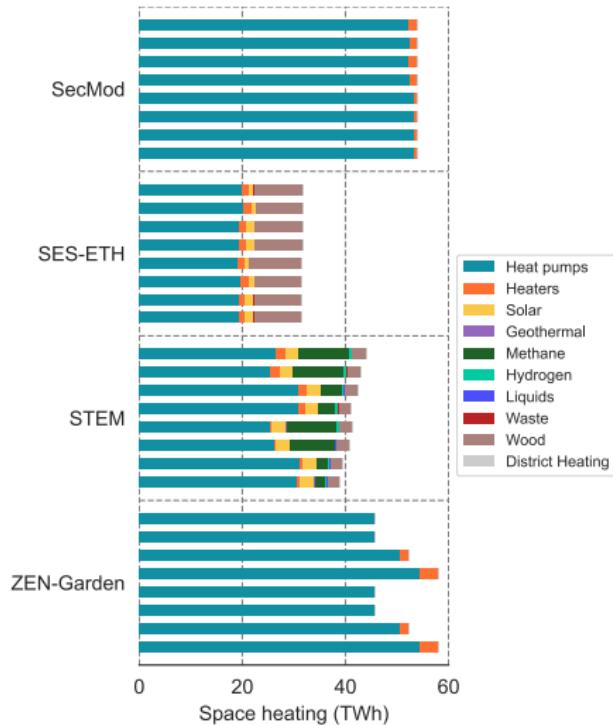
Transport

**Space heating and process heat supply**

Hydrogen, methane and liquids supply and demand

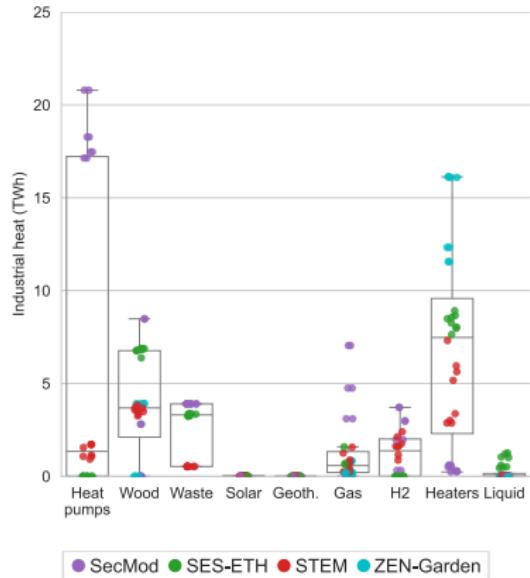
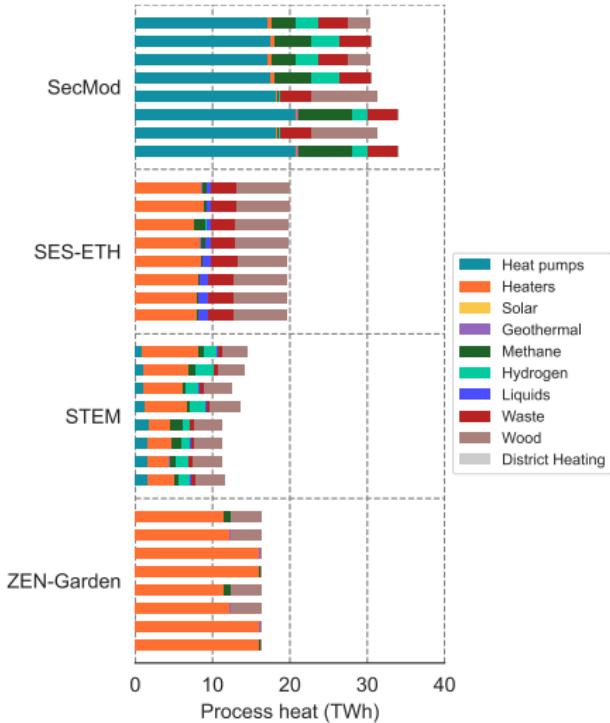
# Space heating and hot water (2050)

## By technology



# Industrial heat (2050)

## By technology



Electricity supply and demand, annual and hourly

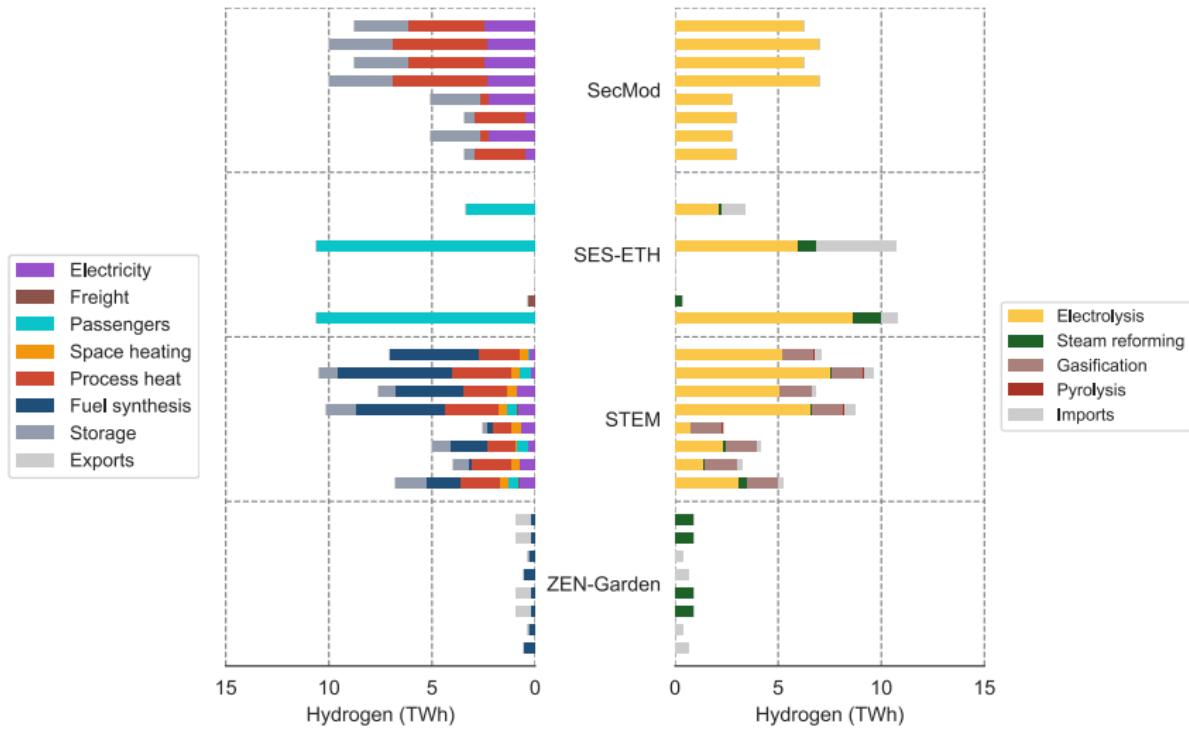
Transport

Space heating and process heat supply

Hydrogen, methane and liquids supply and demand

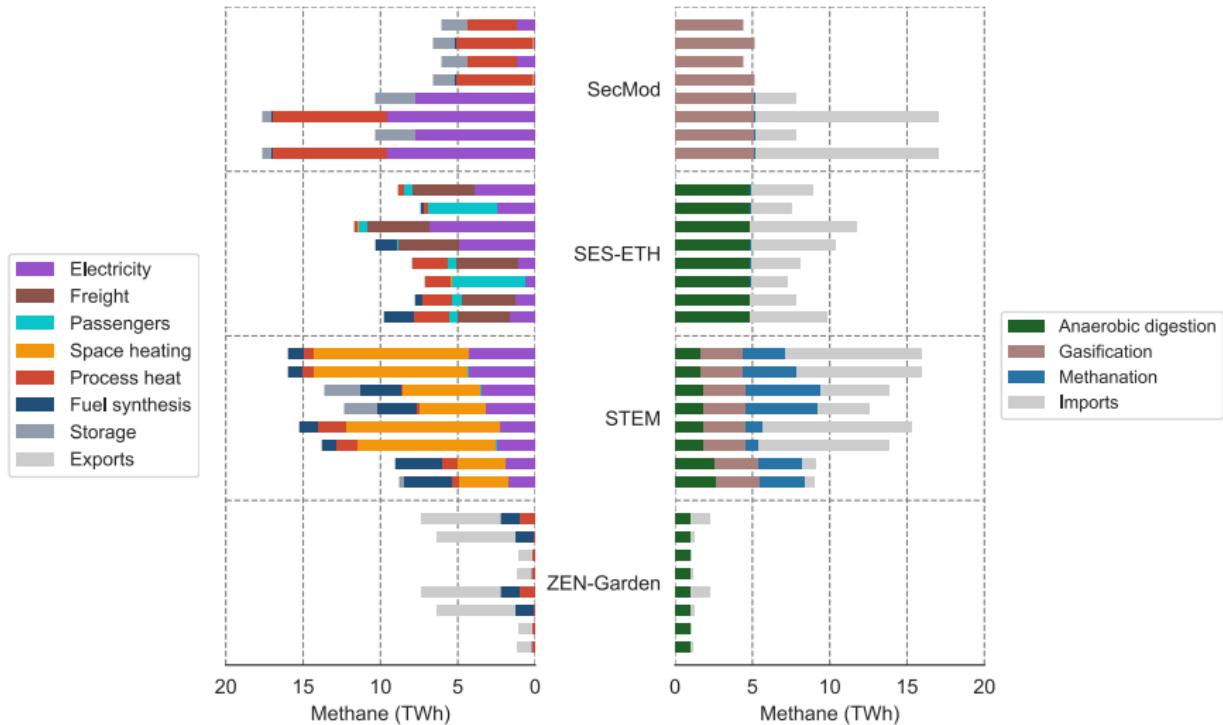
# Hydrogen use and supply (2050)

By end-use and technology



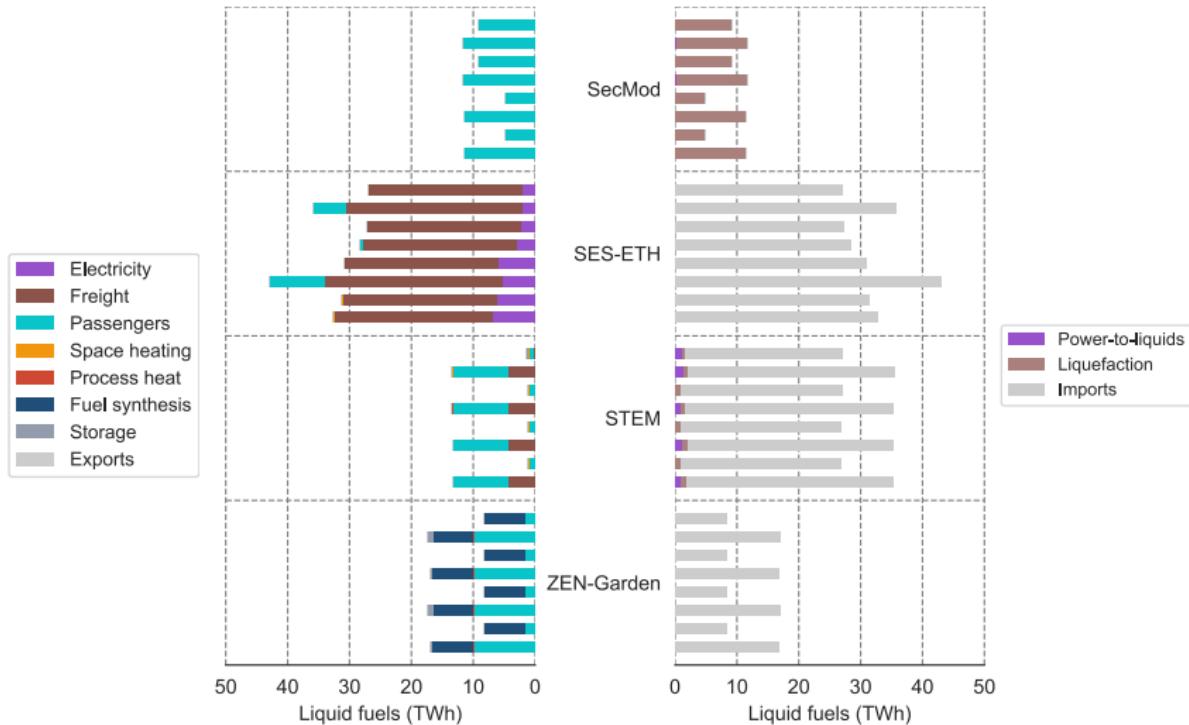
# Methane use and supply (2050)

By end-use and technology



# Liquids use and supply (2050)

By end-use and technology





## 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