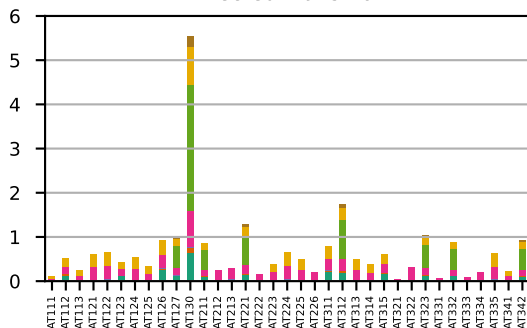


- Technical parameters (e.g., infrastructure requirements of heat generation technology options)
- Population, population density, etc.

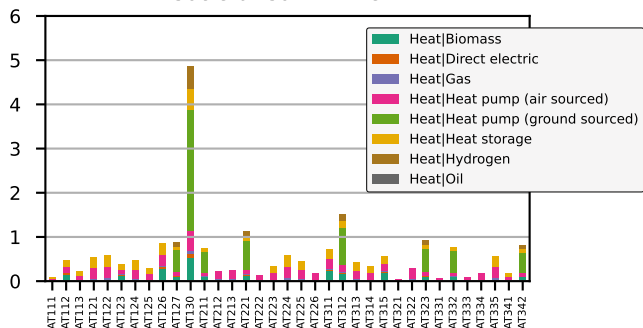
- Quantifying network topology by connectivity and distances

Heat technology generation in Austrian NUTS 3 regions 2050 in TWh

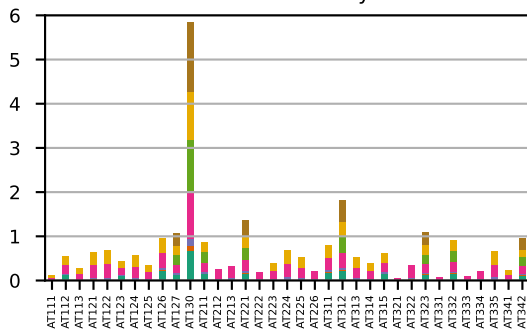
Directed Transition



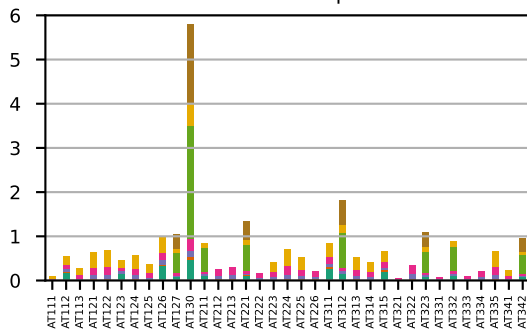
Societal Commitment



Techno-Friendly



Gradual Development



Centralized heat supply in Austrian NUTS 3 regions 2050 in TWh

Directed Transition



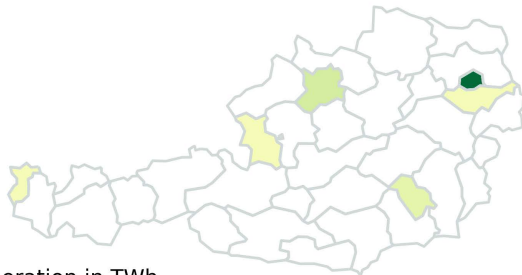
Societal Commitment



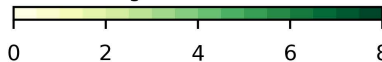
Techno-Friendly



Gradual Development

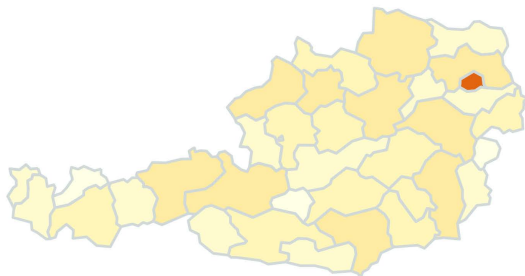


Heat generation in TWh

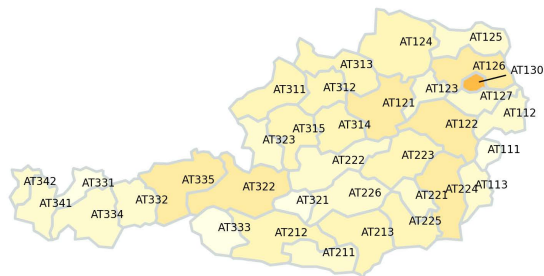


On-site heat supply in Austrian NUTS 3 regions 2050 in TWh

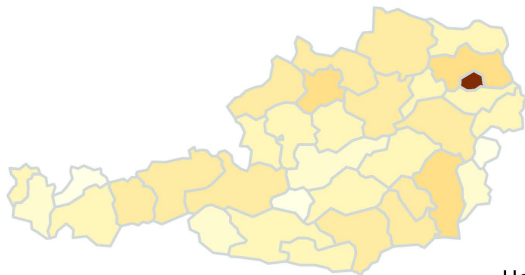
Directed Transition



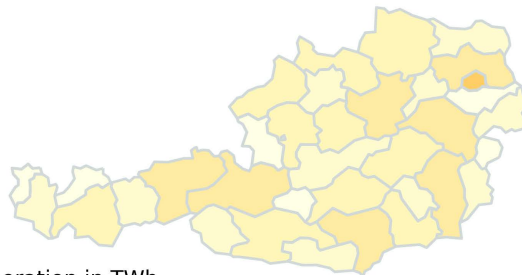
Societal Commitment



Techno-Friendly



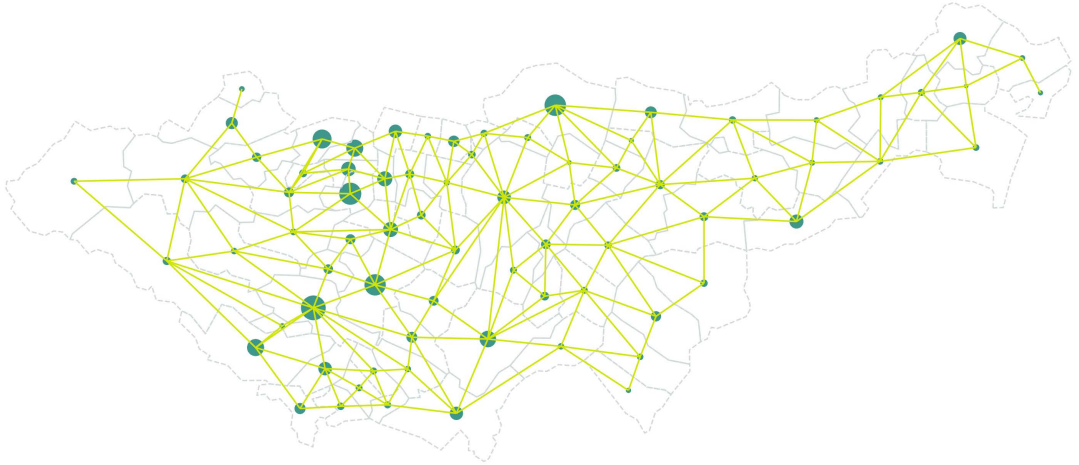
Gradual Development

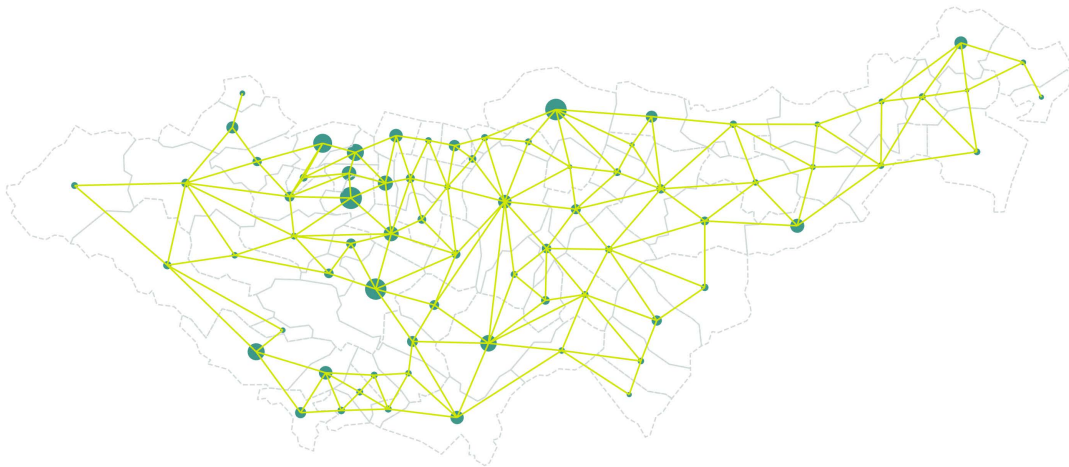


Heat generation in TWh

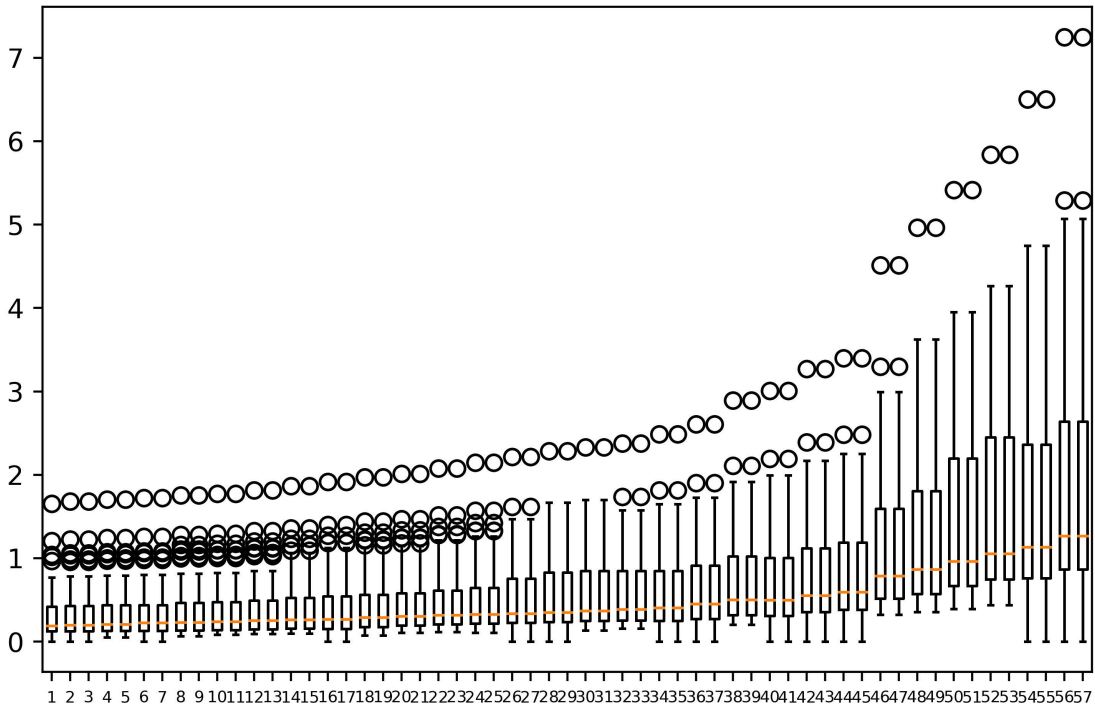


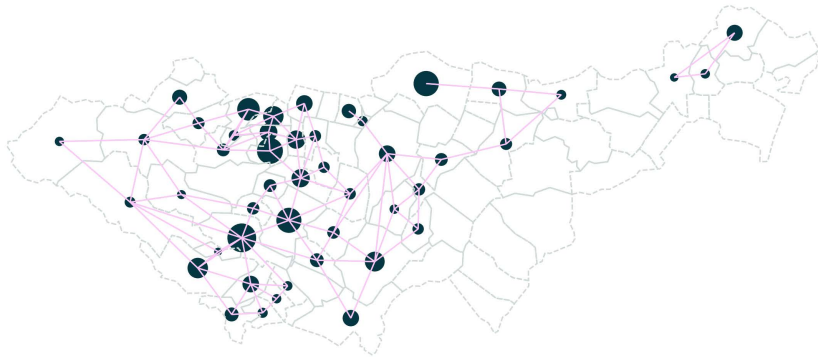
Directed Transition





| Scenario | Sub-region | Max | Min |
|---------------------|------------|------------|-----------|
| Directed Transition | AT127 | 54.439 MWh | 1.317 MWh |

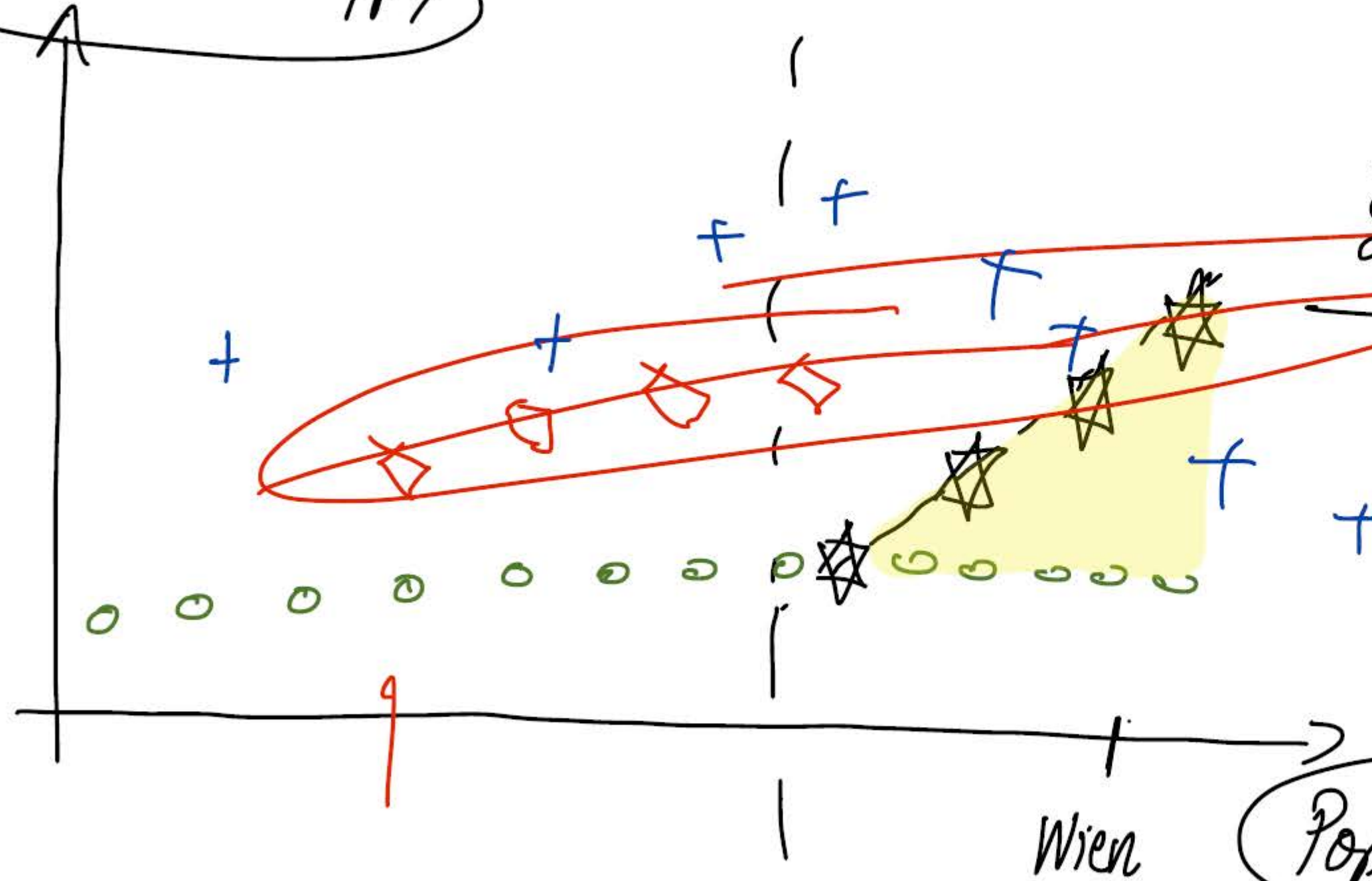




Centralized Heat supply

d_n

2050 - Population
2050 - Algorithm 1
2050 - Algorithm 2+2
~~2020 - Existing networks~~



Population density