



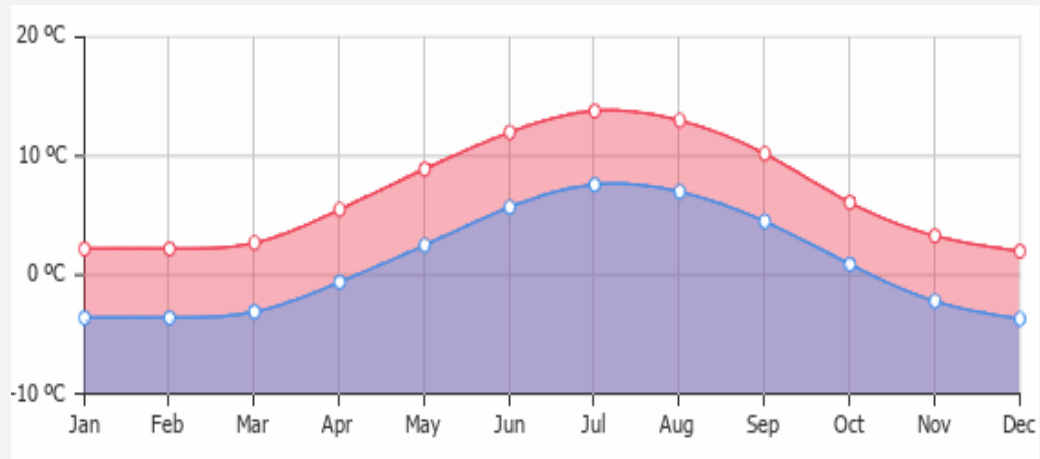
Geothermal use in Iceland

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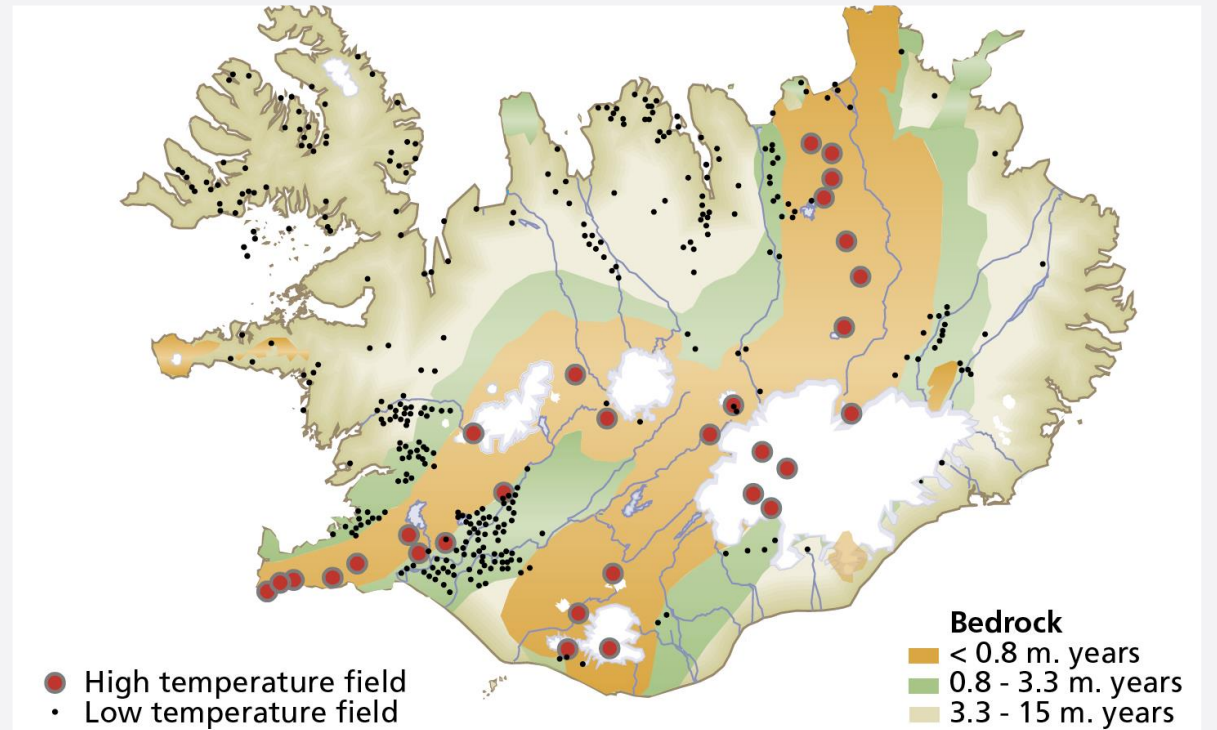


Icelandic conditions

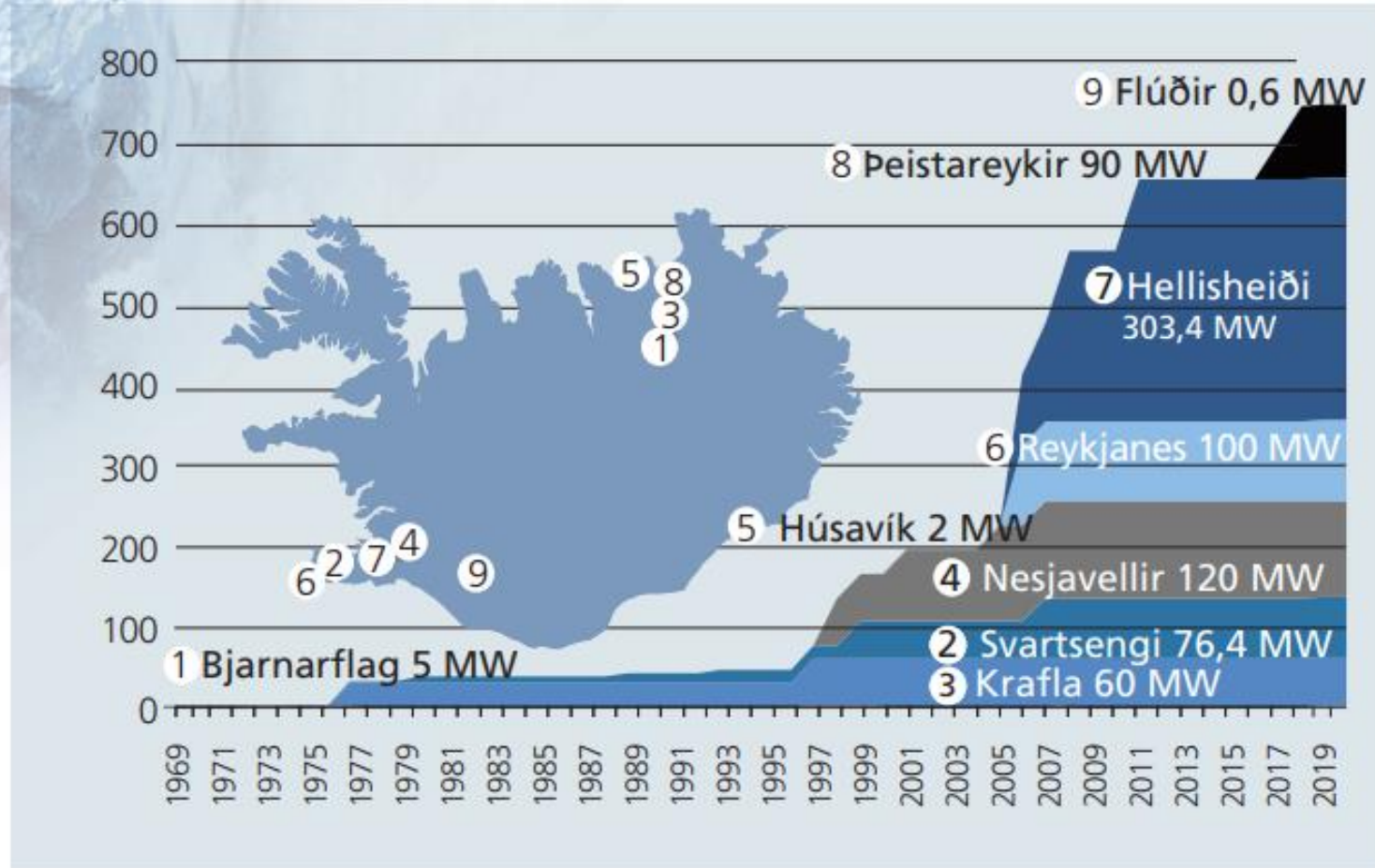
Average temperature in Reykjavík



Active volcanic zone

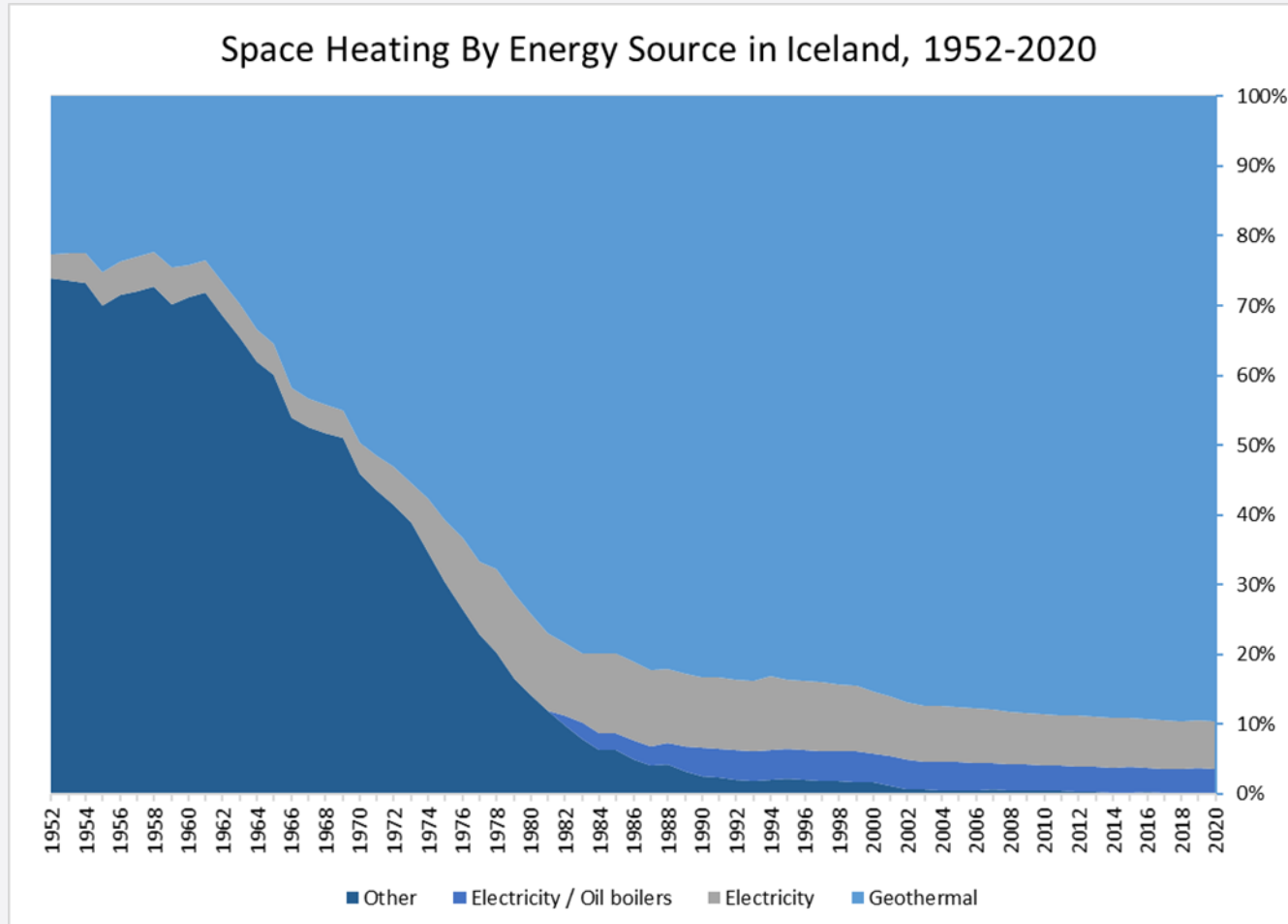


Installed Electrical Capacity of Geothermal Power Plants



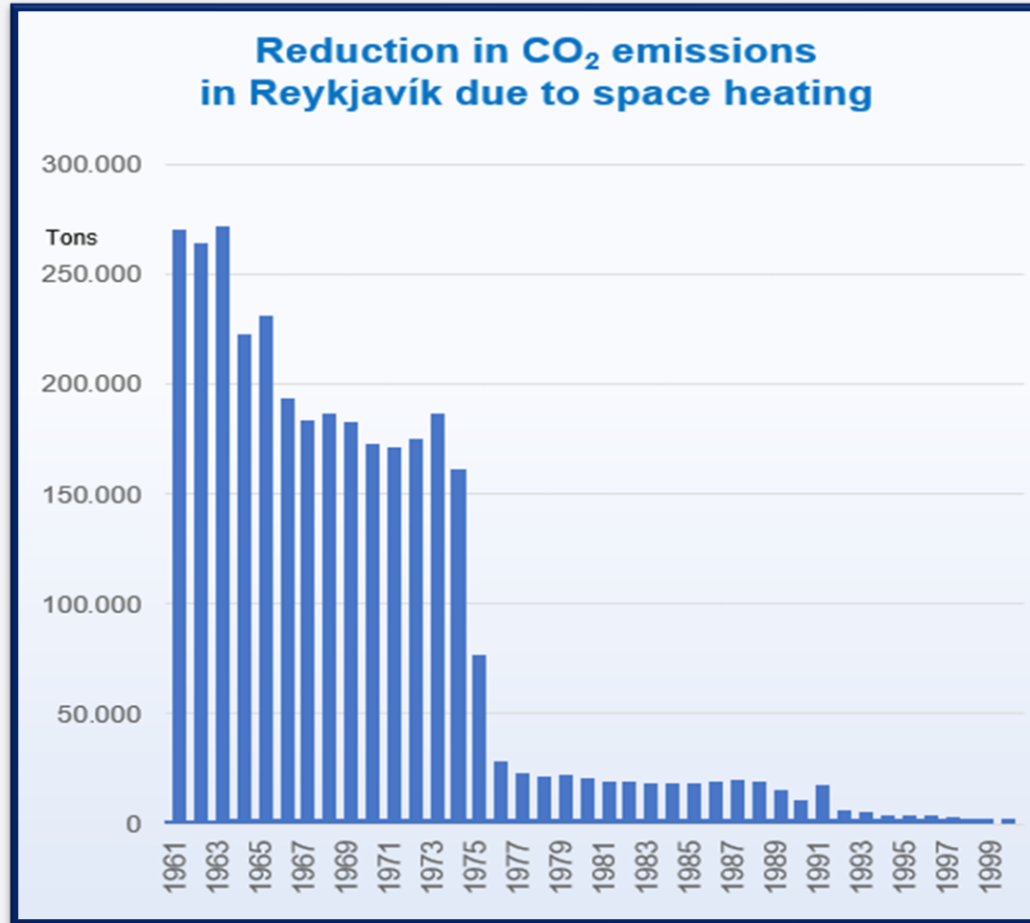
Orkustofnun Data Repository: OS-2021-T004-01

Transition from fossil fuels



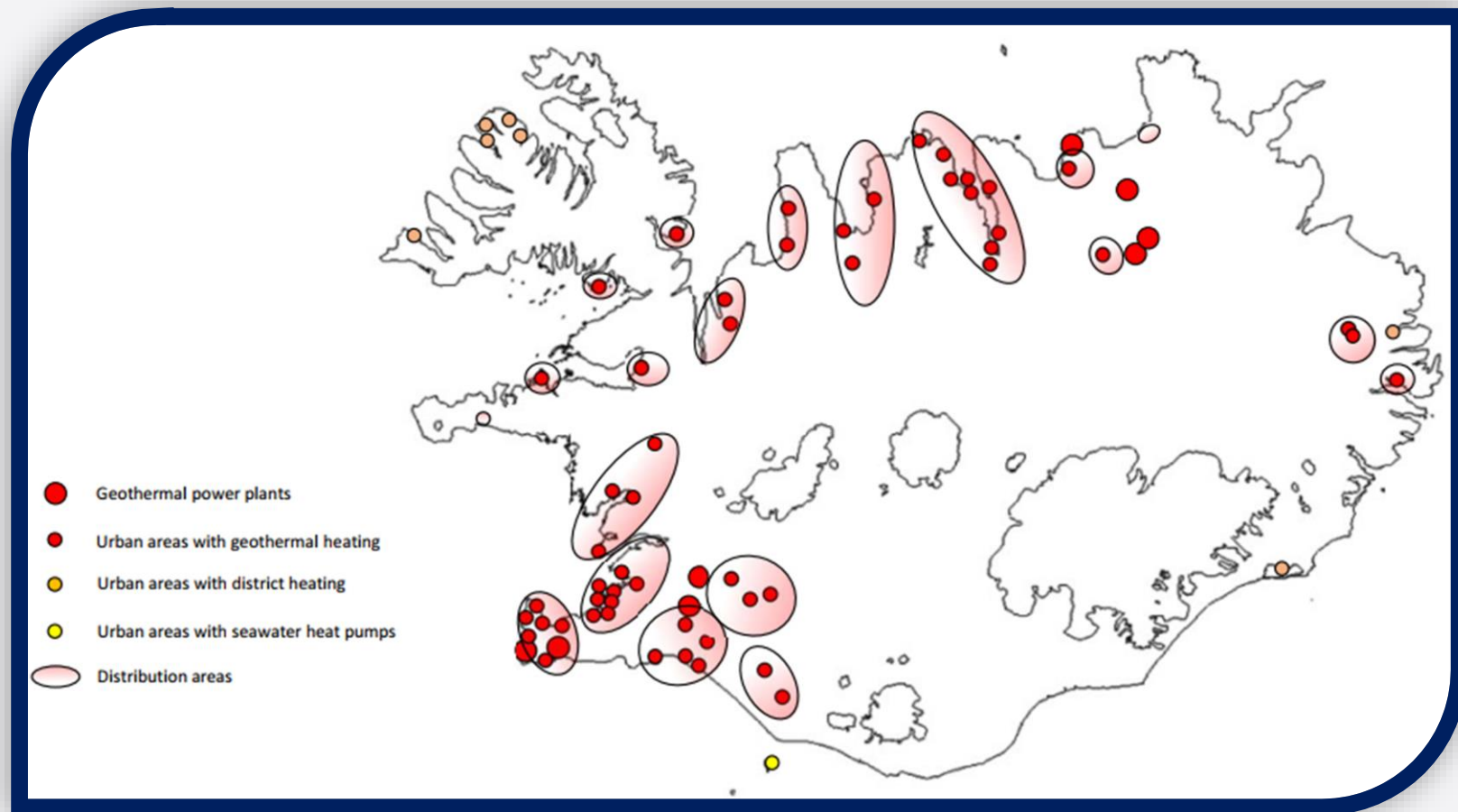
- Utilization of geothermal heating started in 1930's
- Lack of materials and suitable equipment obstructed development
- Driven by rising prices of fuel – first due to war in Europe and then the oil crises in the 70's
- Support scheme by the government – loans / grants

Reduced emissions



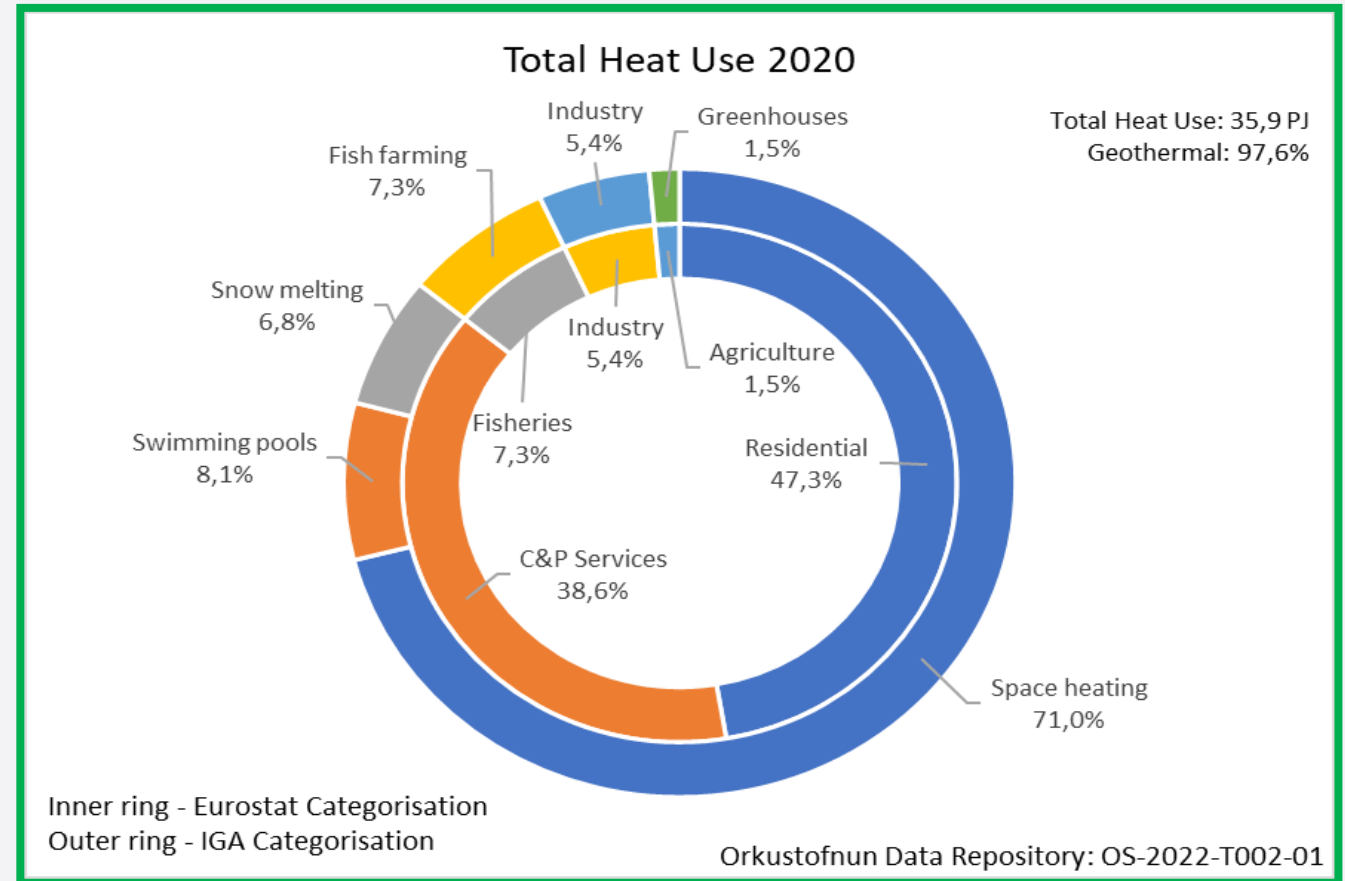
District heating systems in Iceland

- Over 91% of space heating is with geothermal energy
- DH systems in urban areas established by the municipalities
- Many smaller systems in private ownership
- Several electrical DH systems operated in „cold areas“



The use of geothermal heat

- Over 70% of heat use is for space heating
- Rising use in service sector
 - Swimming pools
 - Snow melting
- Use in production is often from own resource – or use of discharge heat from Power Plants





Thank you

Questions?

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