Heat sources and system dimensions

SOURCES:

- **Fossile fuels (coal, oil, gas)**
- **Electicity (fossile, nuclear or renewable)**
- **Renewable fuels (biomass, wooden chips, solar systems, geothermal)**

System dimensions:

- **District heating**
- **Small district heating**
- **Central heating**
- **Decentralysed heating (flatwise)**
- **Roomwise heating**

Heat supply units

DISTRICT HEATING:

- ▶ Heating plants
- ▶ Co-generation plants
- ▶ Geothermal plants

BOILERS:

- ▶ Atmospheric boilers
- ▶ Low-temperature boilers
- ▶ Condensing boilers
- ▶ Wood gasifying boilers, wooden-chip boilers

OTHER HEAT SUPPLY UNITS:

- ▶ Conventinal stoves
- ▶ Electric units
- ▶ Heat pumps
- ▶ Solar collectors (flat follectors, vacuum collectors)

PASSIVE SOLAR SYSTEMS

Heating networks and emitters

HEATING NETWORKS:

- **Single-pipe systems**
- **Double-pipe systems**
- **Flatwise systems**

HEAT EMITTERS

- **Radiators**
- **Convectors**
- **Radiating heating systems**
- **Air heating (with heat recovery)**
- **Low-temperature heat emitters (Floor heating, wall heating, thermal active buildings)**

CONTROL AND METERING:

- **Heat cost allocation**
- **Flatwise metering, metering of the consumption of a building**
- **Central and roomwise control, thermostatic valves,**
- **Programmed (intermittent) heating**