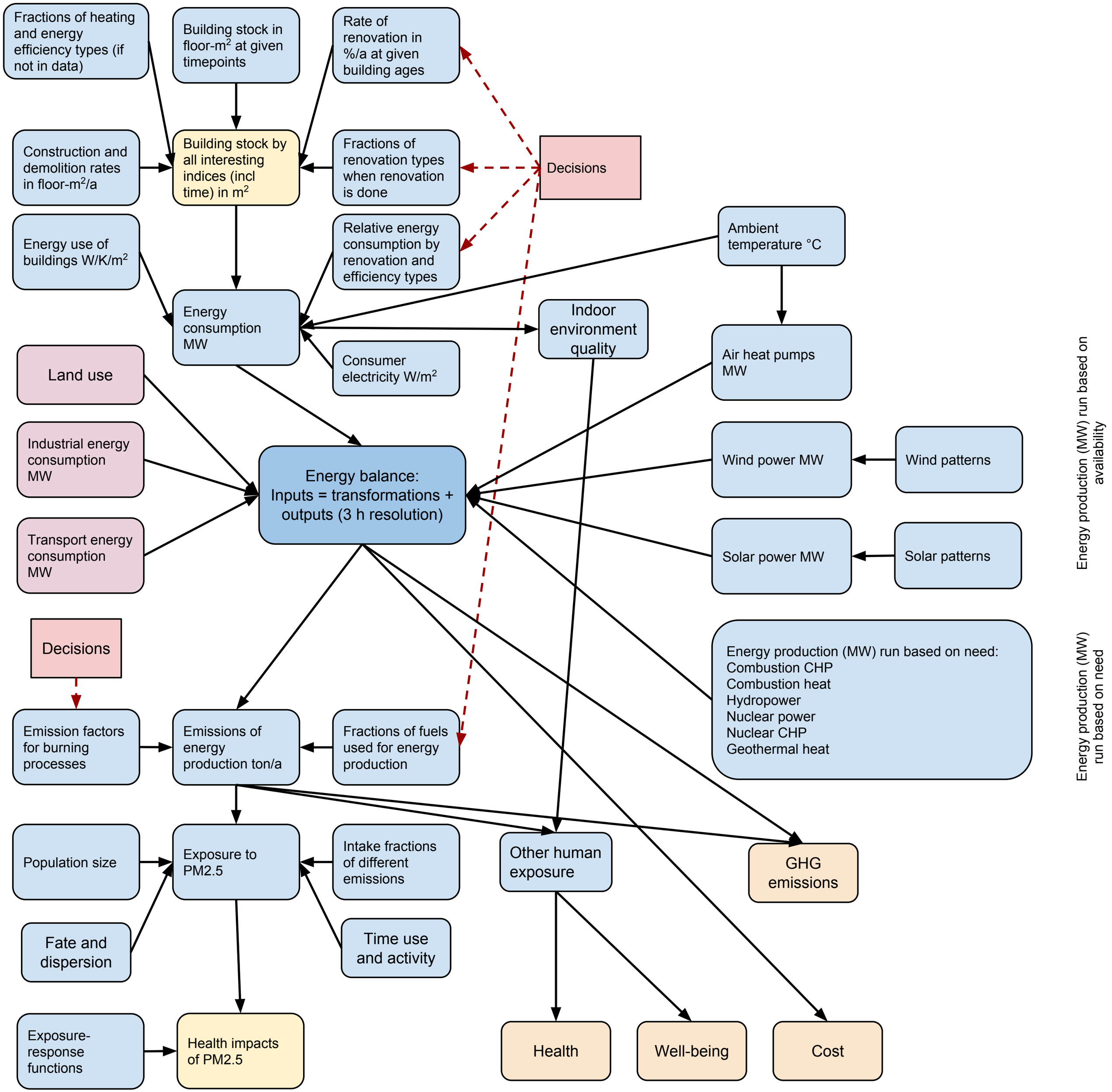
Fractions of heating and energy efficiency types (if not in data)
Building stock in floor-m2 at given timepoints
Rate of renovation in %/a at given building ages
Construction and demolition rates in floor-m2/a
Building stock by all interesting indices (incl time) in m2
Fractions of renovation types when renovation is done
Decisions
Energy use of buildings W/K/m2
Relative energy consumption by renovation and efficiency types
Ambient temperature °C
Energy consumption MW
Indoor environment quality
Consumer electricity W/m2
Air heat pumps MW
Land use
Industrial energy consumption MW
Energy balance: Inputs = transformations + outputs (3 h resolution)
Wind power MW
Wind patterns
Transport energy consumption MW
Solar power MW
Solar patterns
Energy production (MW) run based on availability
Decisions
Energy production (MW) run based on need:
Combustion CHP
Combustion heat
Hydropower
Nuclear power
Nuclear CHP
Geothermal heat
Energy production (MW) run based on need
Emission factors for burning processes
Emissions of energy production ton/a
Fractions of fuels used for energy production
Population size
Exposure to PM2.5
Intake fractions of different emissions
Other human exposure
GHG emissions
Fate and dispersion
Time use and activity
Exposure-response functions
Health impacts of PM2.5
Health
Well-being
Cost