

## MACRO-OBJECTIVES & INDICATORS

1. GHG Emissions
Along the building lifecycle

Primary & Delivered Energy consumption in use: kWh/m²/ yr

Global Warming Potential embodied CO<sub>2</sub> eq./m<sup>2</sup>

Service Life Adaptability Deconstruction/Reuse/ recyclability

2. Material Impacts

Low impact material life cycles

Bill of Materials: Abiotic fossil fuels, minerals and metals, Biotic materials Waste Flows: kg/m<sup>2</sup> Disposed, reused, recycled, E recovery

3. Water Use
Circular use of water resources

**Use Phase Consumption:** m³/occupant/yr

4. IEQ
Healthy & comfortable spaces

Indoor Air Quality: ventilation rate I/s/m2; CO2 ppm; RH %
Pollutants: TVOC, CVOC, RI VOC, formaldehyde, benzene, PM2.5 & 10
Thermal Comfort: % time out of range degree days or hours

Light Acoustic Visual

ozone depletion, acidification, eutrophication, Photochemical ozone creation

Criteria

5. Climate Change
Adaptation, resilience & impac

Extreme weather events under future climate scenarios:
Thermal Comfort: % time out of range degree days or hours 2030/2050
Flood Risk: surface water runoff: flood risk area

Sun Rain Wind Snow Sea level

6. Cost & Value
Optimised over whole life

Life cycle costs EUR/m2/yr

Value Creation & Risk Factors: Data quality of indicators