

REHVA course

Building Sustainability and HVAC

1. Building sustainability

- a. Definition and assessment according to EN 15643-1:2020

2. Building Life Cycle

- a. Definition and examples of stages

3. Sustainability and Life Cycle Assessment:

- a. CEN Framework
 - i. N 15978 – Assessment of environmental performance of buildings
 - ii. EN 16309 - Assessment of social performance of buildings
 - iii. EN 16627 - Assessment of economic performance of buildings
 - iv. EN ISO Framework
- b. EN ISO 14044:2018
 - i. Assessment of environmental performance of buildings

4. E-LCA study four phases

- a. The goal and scope definition phase;
- b. The life cycle inventory analysis (LCI) phase;
- c. The life cycle impact assessment (LCIA) phase;
- d. The life cycle interpretation phase.

5. EPBD recast requirements

- a. Building life-cycle global warming potential (GWP)

6. LEVEL(s) framework

- a. Building life-cycle global warming potential (GWP) indicator
methodological rules and cut-off criteria
 - i. ISO 14067:2018 Carbon footprint of products