

Level(s) – EU approach to sustainable building performance reporting

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Level(s) is:

- A voluntary stand-alone reporting tool
- Using a limited number of indicators
- Based on existing standards
- Targeting the mainstream market
- Possible for certification schemes to use as a module

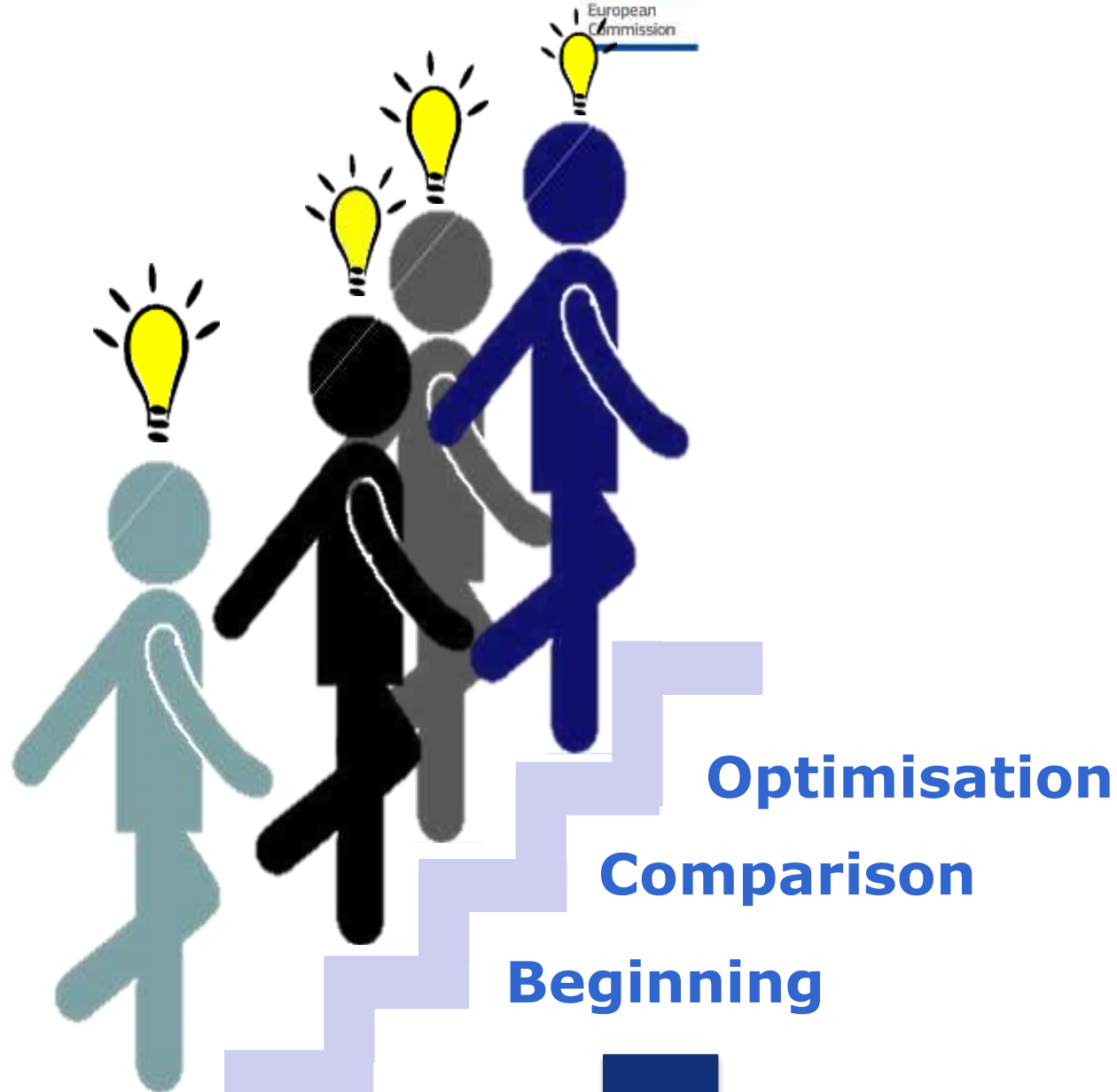
Level(s) is NOT:

- Used for EU benchmarks or EU certification



Level(s) at different levels!

- Tracking the levels of sustainability performance of buildings, taking into account the full life cycle.
- For different building professionals at different stages of a building project.
- Supports different levels of sustainability maturity, from beginners of assessment to LCA professionals.





Benefits with Level(s)

- Common language
- Influence decision making along the life cycle
- Encourage mainstream market towards better practices



MACRO-OBJECTIVES & INDICATORS

1. GHG Emissions

Along the building lifecycle

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

Global Warming Potential
embodied CO₂ eq./m²

2. Resource Efficient Material Life Cycle

Bill of Materials:
Abiotic fossil fuels, minerals and metals, Biotic materials

Waste Flows: kg/m²
Disposed, reused, recycled, recovery

3. Water Use

Circular use of water resources

Use Phase Consumption:
m³/occupant/year

4. IEQ

Healthy & comfortable spaces

Indoor Air Quality: ventilation rate l/s/m²; CO₂ ppm; RH %
Pollutants: TVOC, CVOC, RI VOC, formaldehyde, benzene, PM_{2.5} & 10
Thermal Comfort: % time out of range degree days or hours

Light
Acoustic

5. Climate Change

Resilience and adaptation

Extreme weather events under future climate scenarios:
Thermal Comfort: % time out of range degree days or hours 2030/2050

6. Cost & Value

Optimised over whole life

Life cycle costs: acquisition, utility, maintenance
EUR/m²/year

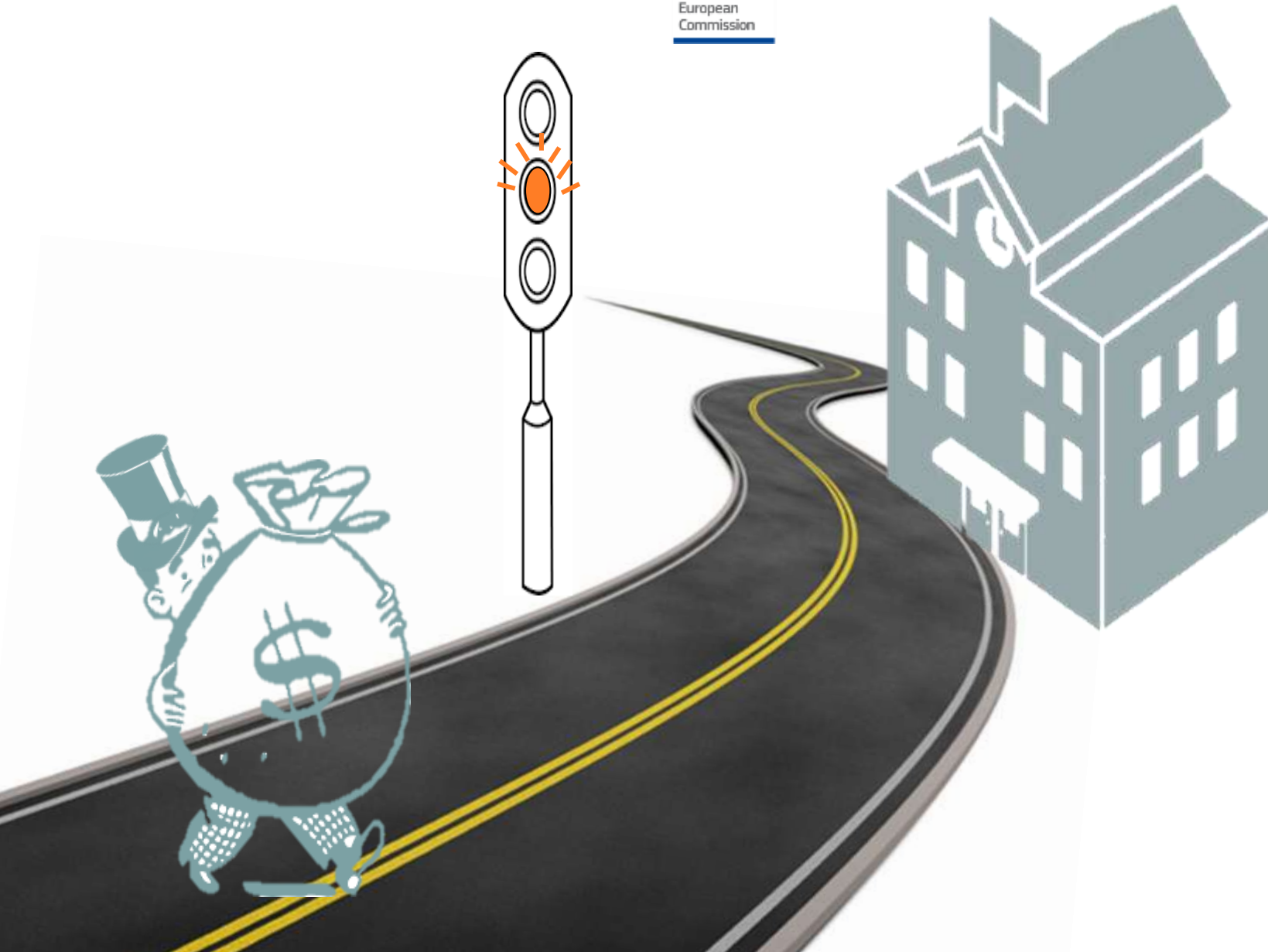
Value Creation & Risk Factors:
Data quality of indicators

Service Life
Adaptability
Deconstruction/Reuse/recyclability

Other LCA Criteria:
ozone depletion, acidification,
eutrophication, Photochemical
ozone creation



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Test phase - objectives

- A ready to market tool in 2 years
- Understand necessary support mechanisms for its implementation



Test phase - scope

- Test robustness of indicators and suitability of guidance
 - parts of indicators or full framework
 - ongoing or finalised projects
- A good range concerning
 - geography
 - building typology (within residential and offices)
 - building professionals (including post-occupancy)



Testing workshop - 4 December

<https://www.euconf.eu/conference-on-sustainable-buildings/index.html>

- How to work with Level(s)
- Opportunities and challenges for testing organisations
- Support to testing organisations
- Market leaders preparing testing
- Certification schemes preparing integration



Level(s)

Building sustainability
performance

#BuildCircular

Visit us at:

<http://ec.europa.eu/environment/eussd/buildings.htm>