



Level(s)

European framework for sustainable buildings

Why Level(s)?

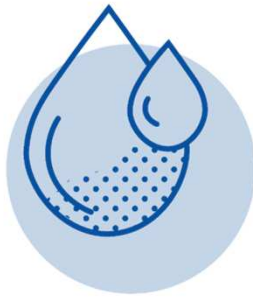
Based on a building's full life cycle, the building sector is responsible for:



1/2 of all extracted materials



1/2 of the total energy consumption



1/3 of water consumption



1/3 of waste generation

Level(s) makes lifecycle performance understandable to professionals in:

Planning and Policy making

Design and Execution

Financing

What is Level(s)?

- EU assessment and reporting sustainability framework
- Whole Lifecycle - a robust approach to measure and improve
- Core indicators tested by the building sector
- Entry-level tool for the mainstream market
- Residential and offices, new construction/ renovation

2015 – Initial development of the Level(s) framework







2017-2019 – Level(s) testing phase involving over 130 projects in 21 EU member states

2019 – Level(s) test survey

2020 – Official Level(s) launch

2021 – Web based material

Level(s): 3 themes, 6 macro objectives

	Macro Objectives	Indicators			
	1. Greenhouse gas emissions throughout building life cycle	1.1 Use stage energy performance (kWh/m ² /yr)	1.2 Life cycle Global Warming Potential (CO ₂ eq./m ² /yr)		
	2. Resource efficient and circular material life cycles	2.1 Bill of quantities, materials and lifespan	2.2 Construction and Demolition waste	2.3 Design for adaptability and renovation	2.4 Design for deconstruction
	3. Efficient use of water resources	3.1 Use stage water consumption (m ³ /occupant/yr)			
	4. Healthy and comfortable spaces	4.1 Indoor air quality	4.2 Time out of thermal comfort range	4.3 Lighting	4.4 Acoustics
	5. Adaption and resilience to climate change	5.1 Life cycle tools: scenarios for projected future climatic conditions	5.2 Increased risk of extreme weather	5.3 Sustainable drainage	
	6. Optimised life cycle cost and value	6.1 Life cycle costs (€/m ² /yr)	6.2 Value creation and risk factors		

Use Level(s) at 3 different levels



Level 1

**Concept
stage/qualitative**

Level 2

**Design and
construction/
quantitative**

Level 3

**Reality/monitoring,
including the handover
to the client**

Key benefits of Level(s)

- Common language using best practice industry standards
- Tracks performance throughout the life cycle
- Underpins future EU and national policies
- Future-proofing buildings for carbon neutrality
- Enhances dialogue between stakeholders
- Supports sustainability skills and understanding
- Targets mainstream sector
- Brings accountability and investor confidence
- Certification schemes looking to align

Level(s) is for you!



Design and Execution



Planning and Policy making

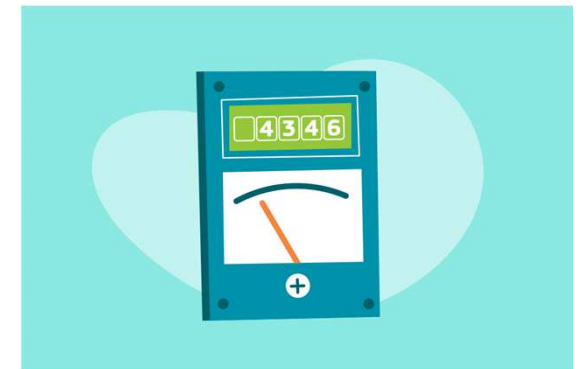


Financing

Level(s) in the policy context

- EU Green Deal, including:
 - The EU Circular Economy Action Plan
 - The EU Renovation Wave
 - New European Bauhaus

Level(s) brings minimum numbers of indicators, with maximum leverage to deliver sustainability.



What's next for Level(s)?

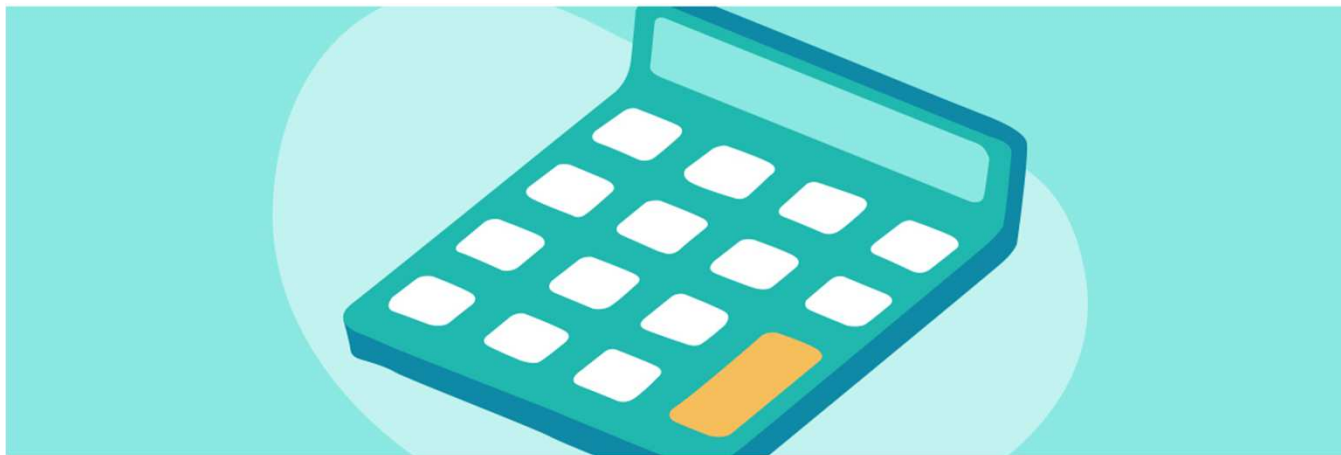
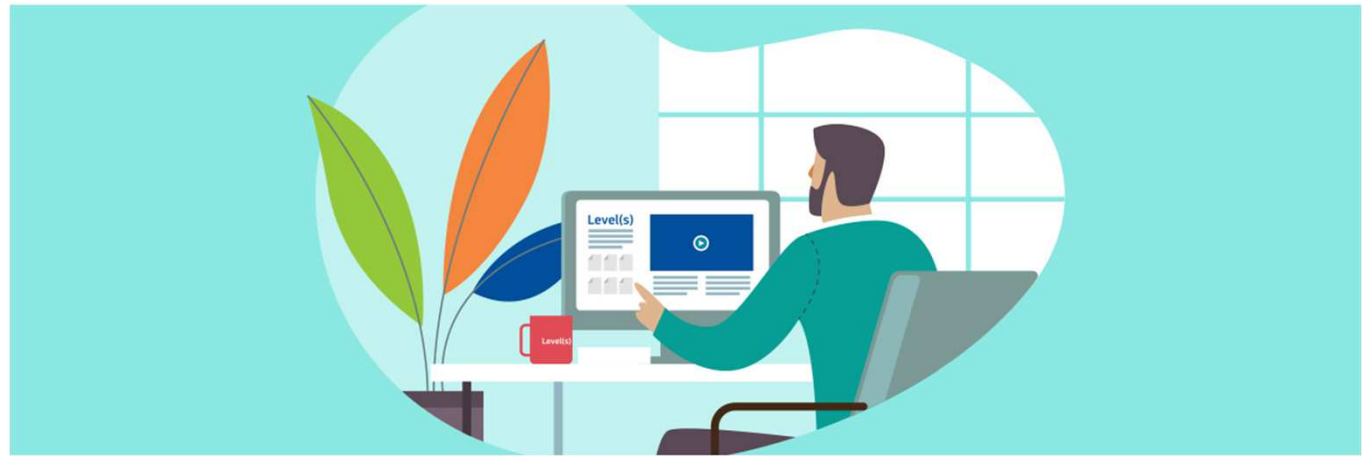
Sustainable Finance
Delegated Act
2021

Directives on
energy
performance -
revisions
2021

Roadmap for Whole
Life Carbon
reduction
in the building sector
2023



Web based learning and calculator





Thank you

Visit https://ec.europa.eu/environment/topics/circular-economy/levels_en

To join the new Level(s) group on LinkedIn, visit <https://www.linkedin.com/groups/12501037/>

Follow and share developments under #BuildCircular on social media (Twitter, Facebook)

