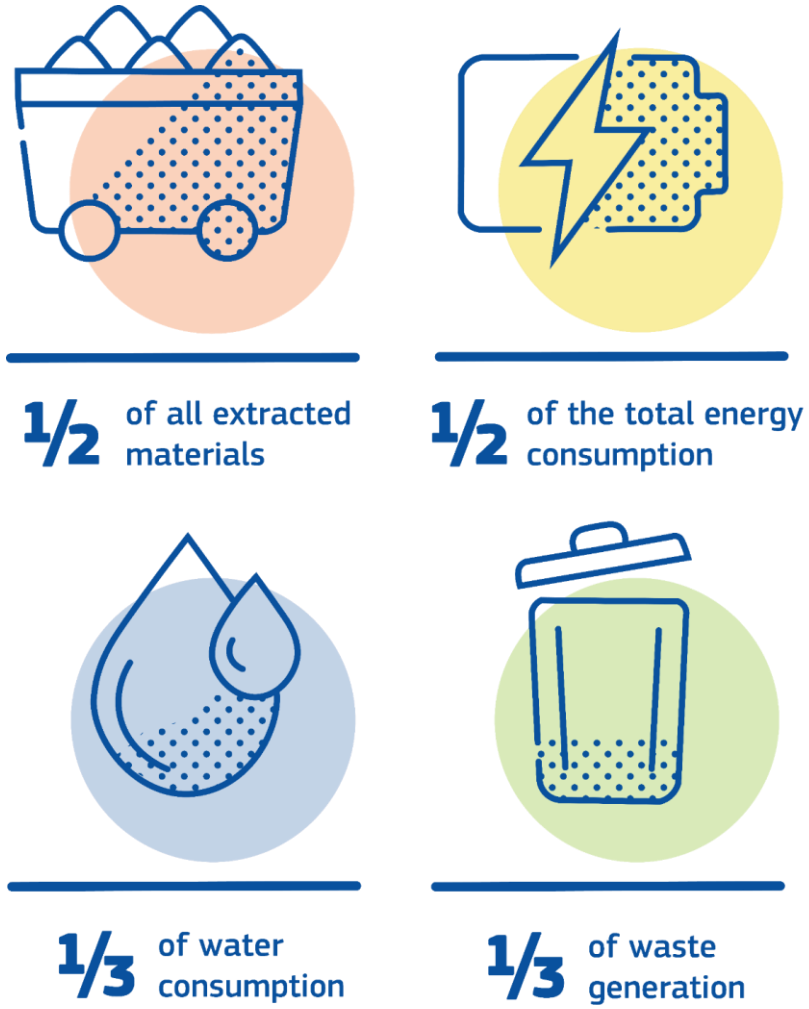
Level(s)

European framework for sustainable buildings

Why Level(s)?

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



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

- Planning and Policy making
- Design and Execution
- Financing

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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

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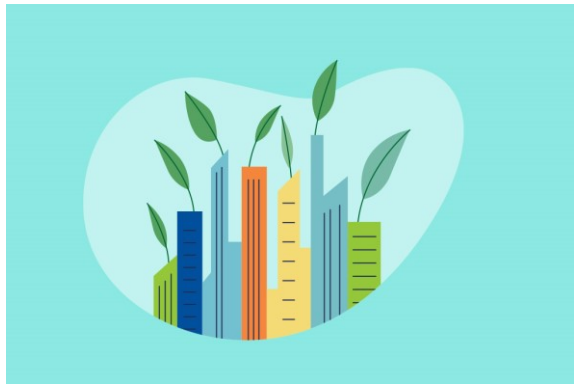
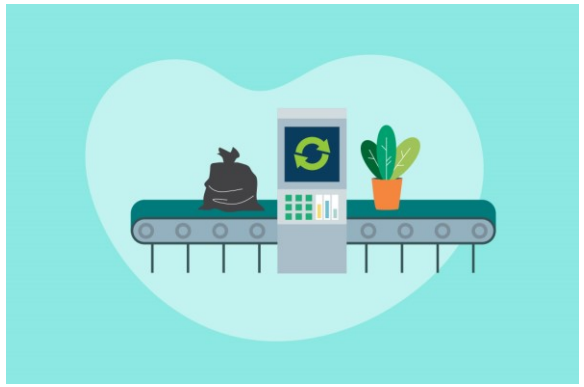
Common language for full life cycle



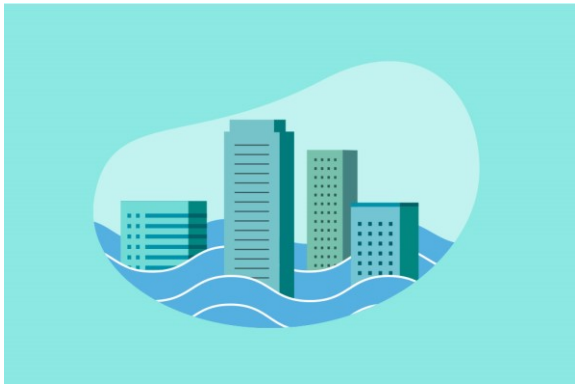
Whole life carbon



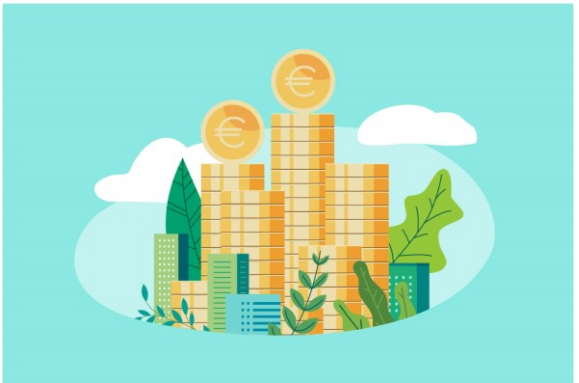
Resource efficient material flows

Efficient use of water

Health and comfort



Adaptation and resilience to climate change



Life cycle cost and value

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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/m2/yr)	1.2 Life cycle Global Warming Potential (CO2 eq./m2/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 (m3/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 (€/m²/yr)	*6.2 Value creation and risk factors*		

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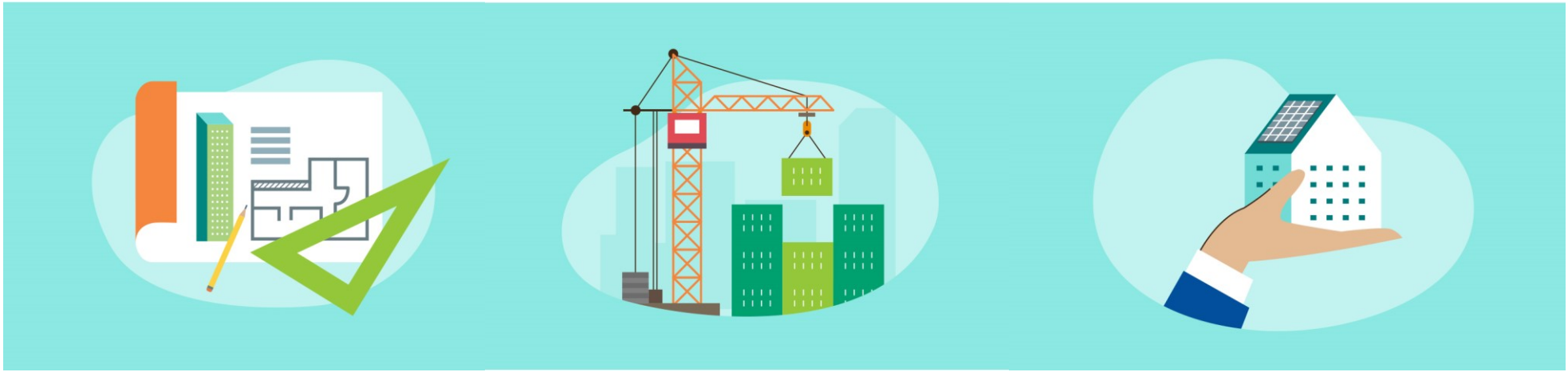
Use Level(s) at 3 different levels



Level 1

Concept stage/qualitative

Level 2

Design and construction/ quantitative

Level 3

Reality/monitoring, including the handover to the client

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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

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Level(s) in the policy context

EU Green Deal, including:

- The EU Circular Economy Action Plan
  Setting out key sectors
- The EU Renovation Wave
  Energy and resource efficiency, lifecycle
- New European Bauhaus
  Sustainability, Aesthetics, Inclusion

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

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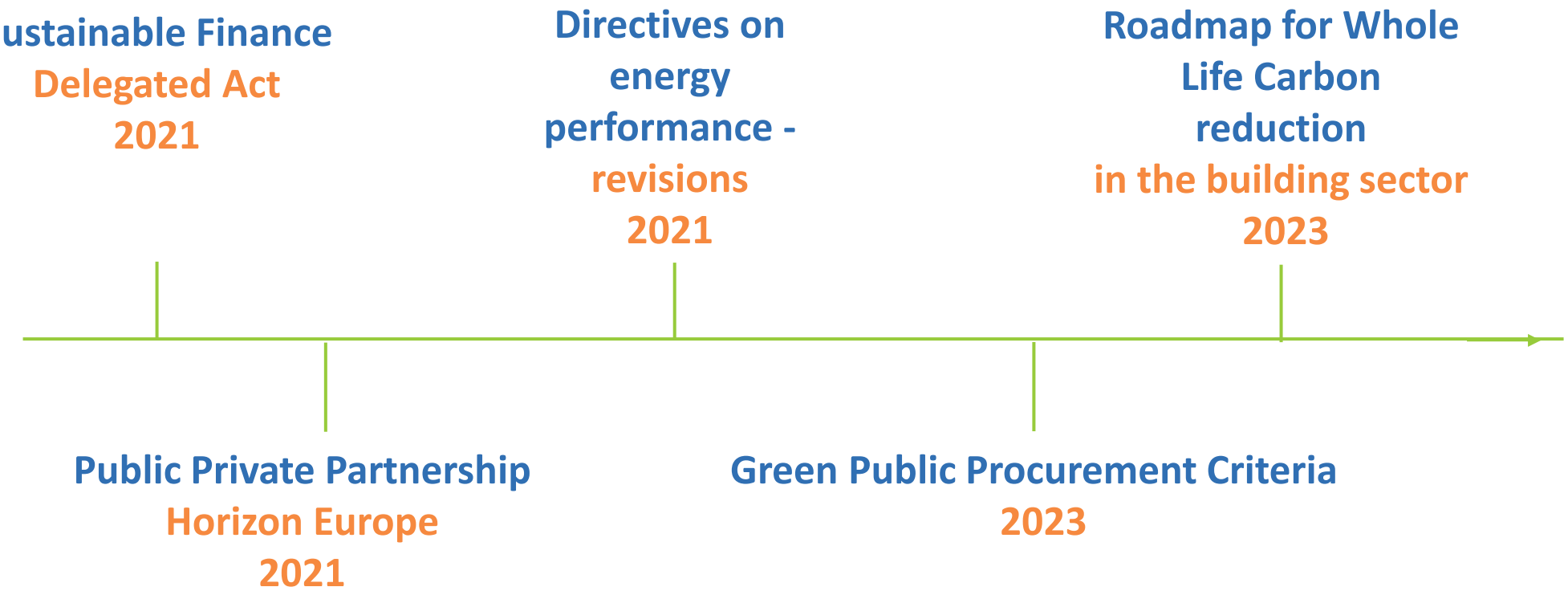
What's next for Level(s)?



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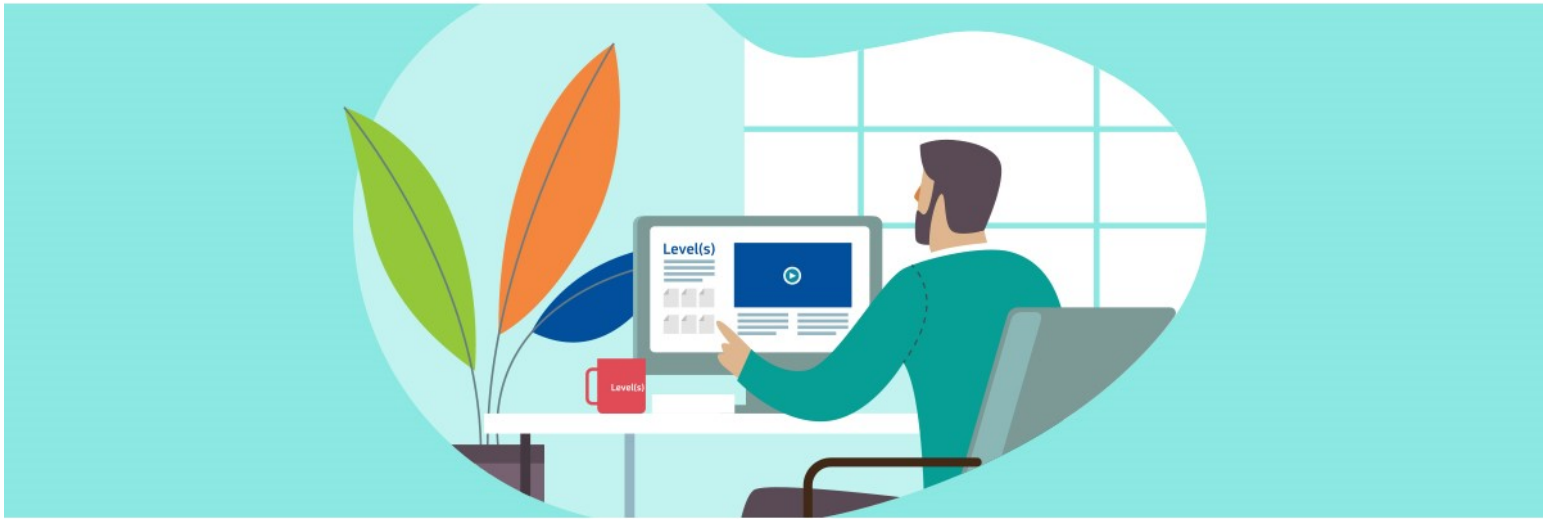
Web based learning and calculator



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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)

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