# THE SLOVENIAN APPROACH TO SUSTAINABILITY INDICATORS FOR BUILDINGS

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## Abstract:

Consideration of sustainability in construction of new buildings and in building renovation has been recognized as an important principle in climate and energy strategic documents in Slovenia and in EU. In practice, the increasing of energy efficiency and the integration of RES in new buildings and in renovation often lack of consideration of complementary fields that together influence the core priorities of sustainable building: like GHG emission along the buildings life cycle, resource efficiency and circular materials life cycles (LCA), efficient use of water resources, safety (mitigation of risks due to earthquake), healthy and comfortable spaces, resilience to climate change, optimization of life cycle costs (LCC) and retention of a building value.

Currently, there is no methodology defining sustainable construction available in Slovenia, neither in terms of recommendations, nor guidelines or legislation. Moreover, Slovenian market seems to be too small for the national adaptation of international sustainability certification schemes, while on the other hand a generalized (EU wide or international) assessment method is too rough due to neglecting local context.

The research investigated the compliance of national understanding of building sustainability with EU experiences and trends (LEVEL(s)), where a special focus was put on an overview of the Slovenian regulatory framework and the comparison of national of minimum requirements, available benchmarks, adequate assessment methods and tools, as well as knowledge in the fields that are subject to building sustainability assessment.

As a result, a set of 8 sustainable indicators with a number of sub-indicators is proposed and for each indicator the implementation gap is evaluated as well as the action plan is prepared to facilitate the implementation of Slovenian approach for assessment of building sustainability in practice.

## Keywords:

Sustainable Building; Indicators; assessment system, resource efficiency, LEVEL(s)

## Graphics: