

„UDEM“ Urban Development Evaluation Matrix

What is UDEM?

The Urban Development Evaluation Matrix „UDEM“ was developed to evaluate urban-planning concepts with different uses. Employing this software tool varying interests of potential decision makers can be aligned and the optimal design from superior planning also from city-wide development conception point of view can be identified. In a matrix criteria *Townscape and landscape*, *Building and spatial structures*, *Conflict potentials* and *Potentials appreciation / stabilization* from the rating categories are considered. The Evaluation Matrix has to be applied in three steps:

1. Definition of objectives about function and form on the basis of 20 site-specific criteria in the 4 urban planning rating categories
2. Partial weighting of the 4 categories importance as decisional parameters
3. Evaluation of different urban-planning concepts by decision makers according to the designated points system and identification of the optimal urban-planning design

Possible Applications

- Identification of urban-planning development potentials
- Individual definition of criteria for rating urban-planning concepts
- Weighting of rating categories according to their importance in view of urban development objectives
- Objective alignment of varying interests of decision makers
- Definition of general principles for urban development together with urban development objectives on the basis of rating results
- Perceptibility of the conformity level of urban-planning designs with the objectives of city development
- Implication of evaluation criteria in view of effective regional principles of law for city development

