

## **Adaptive Design Evaluator – A concept for a co-assessment tool in early planning states**

### **Attachment 1 - AD criteria catalogue**

#### **a) Concepts/Masterplan/Strategic plans/...**

Cat1 - Land Use and Urban Fabric

- Master plan fostering sustainable developments
- Land use plan fostering sustainable developments
- Zoning plan fostering sustainable developments
- Building regulation allows flexible uses
- New Building land dedication (unterstützt nix!!!)
- Zoning plan fostering inward Development
- ...

Cat 2 - Ressources and Environmental Aspects

- Planning of Blue and Green Infrastructure
- Including waste reduction initiatives within building development plan
- ... Cat 3 - Mobility
- Public transportation systems (buses, trams, subways) that are affordable and accessible
- Designing urban areas to minimize the need for car travel and encourage the use of public transit.
- Implementing car-sharing programs and promoting the use of electric vehicles
- ...

#### **b) Project features / Project activities**

Cat1 - Land Use and Urban Fabric

- Mixed-use neighbourhoods
- Sustainable settlement structure
- Social housing
- Redensification
- Creating/maintaining parks, green belts and urban forests
- Green roofs and walls
- Improve/ensure access to public spaces and green areas
- Job recruiting center
- Basic educational institutions
- community center (educational, cultural,..)

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Cat 2 - Ressources and Environmental Aspects

- Renovation of existing structures
- Sustainable materials
- Re-use of building parts/materials
- Recycling of materials
- Energy-efficient buildings
- Energy-efficient refurbishment
- Unsealing soil
- Integrating water management and green spaces
- Reusage of buildings
- Integration of supply infrastructures using ecological energy carriers (solar energy, wind, water)
- Integrating energy-efficient buildings codes & standards
- Integrating smart grid technologies
- Integrating smart energy management systems
- Clean water supply
- Wastewater reusage system (thermal energy recovery system)
- Wastewater reduction plan
- Rainwater harvesting system

- Greywater reuse
- Drainage system for natural hazard management (stormwater,...)
- Recycling or composting area
- Including waste reduction initiatives within building use
- Infrastructure for safe disposal of hazardous waste
- Including circular economy principles
- Design / construct resilient infrastructure and buildings to withstand natural disasters
- Local materials
- Fossil heating systems
- Including circular economy principles by gestalt
- Integration of biodiversity-promoting measures: Design that supports biodiversity through appropriate plant selection and its spatial organisation.
- ...

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##### **Cat 3 - Mobility**

- Improve Bikeability
- Improve Walkability
- Project fulfils parking space obligation
- Alternative mobility concept allows reduction of parking space obligation
- ...

##### **Cat 4 - Quality of Stay**

- Integration of social meeting places: Spaces that strengthen community bonding.
- Improve/ensure accessibility for people with disabilities
- Historic buildings/ensembles are integrated into the project
- Creating identity through design: designing spaces that convey a strong sense of belonging.
- Structures can be used in a variety of ways: Flexible utilisation options for spaces that enable adaptations over time without losing identity
- Promotion of community spaces: Creation of places that support social exchange and interaction.
- Flexibility in the use of spaces: Adaptability of spaces to changing user needs.
- Historic buildings/ensembles remain
- Integration of art and culture as designers to enrich urban life.
- Designing access routes that encourage interaction between different areas and routes
- Preservation of historic buildings/ensembles: Integration of existing historic structures into new plans and vice versa.
- Community sanitation facilities
- ...

##### **Cat 5 - Governance and Participation**

- Project fulfils demand in the community (housing)
- Project fulfils demand in the community (commercial space)
- Local business and innovation hubs
- Support for small and medium sized enterprises
- Project generates demand in the community (commercial space)
- Participation within energy community using/based on ecological energy carriers
- Including early warning systems and emergency response plans within project
- Educational institutions promoting life long learning
- Participatory planning processes

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- Project generates demand in the community (housing)
- Including early warning systems and emergency response plans within community
- High maintenance costs for municipality

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