

Digitalisation as a tool for sustainable architecture?

# LexiKON: Smart Wachsen!

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LexiKON: Smart Wachsen! is an ongoing research project of the City of Konstanz in cooperation with the HGWT Konstanz, the Fraunhofer Institute for Industrial Engineering IAO and other project partners as part of the National Urban Development Projects funding programme. [www.lexikon-smartwachsen.de](http://www.lexikon-smartwachsen.de)

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# Background

LexiKON: Smart Wachsen! is an open source tool. As a "living" document, it is based on the results of 19 seminars held at the University of Applied Sciences and the University of Constance, various citizen participation formats and extensive interviews with administrative staff of the City of Constance and external experts. Answers were given to the questions of how cities should develop in the future and what challenges stand in the way of sustainable planning and development. The aim of LexiKON:

Smart Wachsen! is to anchor and increase sustainability in municipal planning processes. To this end, ten fields of action for sustainability were developed: effective land use; urban development & building culture; energy; mobility; resources, building materials & recyclables; climate protection & climate resilience; environmental protection & biodiversity; neighbourhood living space; economy; planning process. The fields of action contain 150 recommendations and 750 measures as well as further planning aids and checklists. In addition, LexiKON: Smart Wachsen! illustrates these recommendations and measures using regional, national and international best practice examples. This means that each individual can grasp the complexity of sustainable urban development using concrete examples and actively help shape it thanks to systemic networking.

## What?

- Networking urban levels (urban development, mobility, social affairs, etc.)
- Shaping sustainable urban development through targeted information transfer
- Systemic action through practical relevance and comprehensive participation

## Who?

- Citizens
- Administrative staff
- Building owners and planners
- Public authorities

## When?

- At the very beginning of municipal planning processes
- Ongoing in the planning process

## How?

- Intuitive and free to use; in future, paid training courses for municipal employees
- Concrete reference to best practice examples
- Orientation towards ten fields of action for sustainability
- Further examples of best practice can be submitted
- Comments / suggestions for improvement / references to planning tools and links can be submitted