

# Guide for rooftop greenhouses

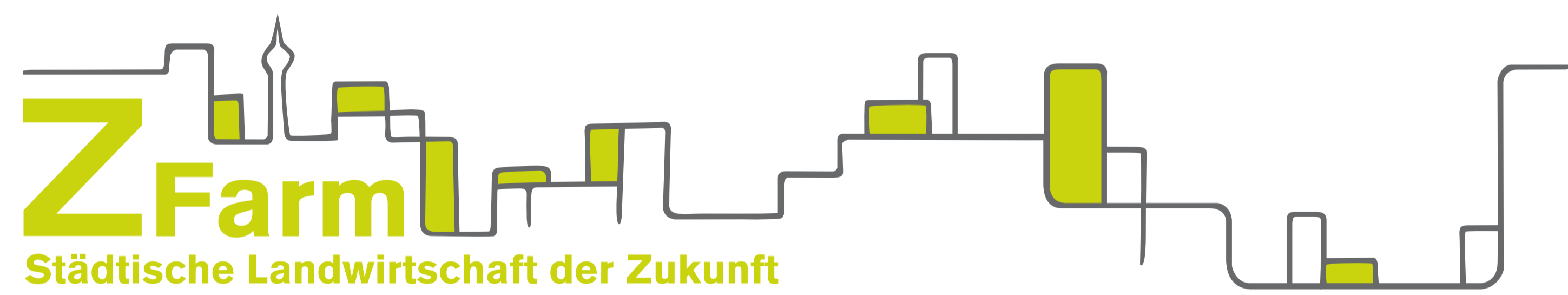
Building-integrated farming (so-called “ZFarming” or zero-acreage farming) represents an opportunity for climate protection and also increases the amenity value of the city for residents. However, it also poses new challenges for specialists. Solutions for productive “gardening” in and on buildings need to consider the viewpoints of engineering, building design and also aesthetics. The Leibniz Centre for Agricultural Landscape Research (ZALF) in Müncheberg – in cooperation with the Institute of Urban and Regional Planning at the Technical University of Berlin (ISR) and the inter3 Institute for Resource Management – has published a helpful guide with practical tips and recommendations for action.

## What does the guide contain?

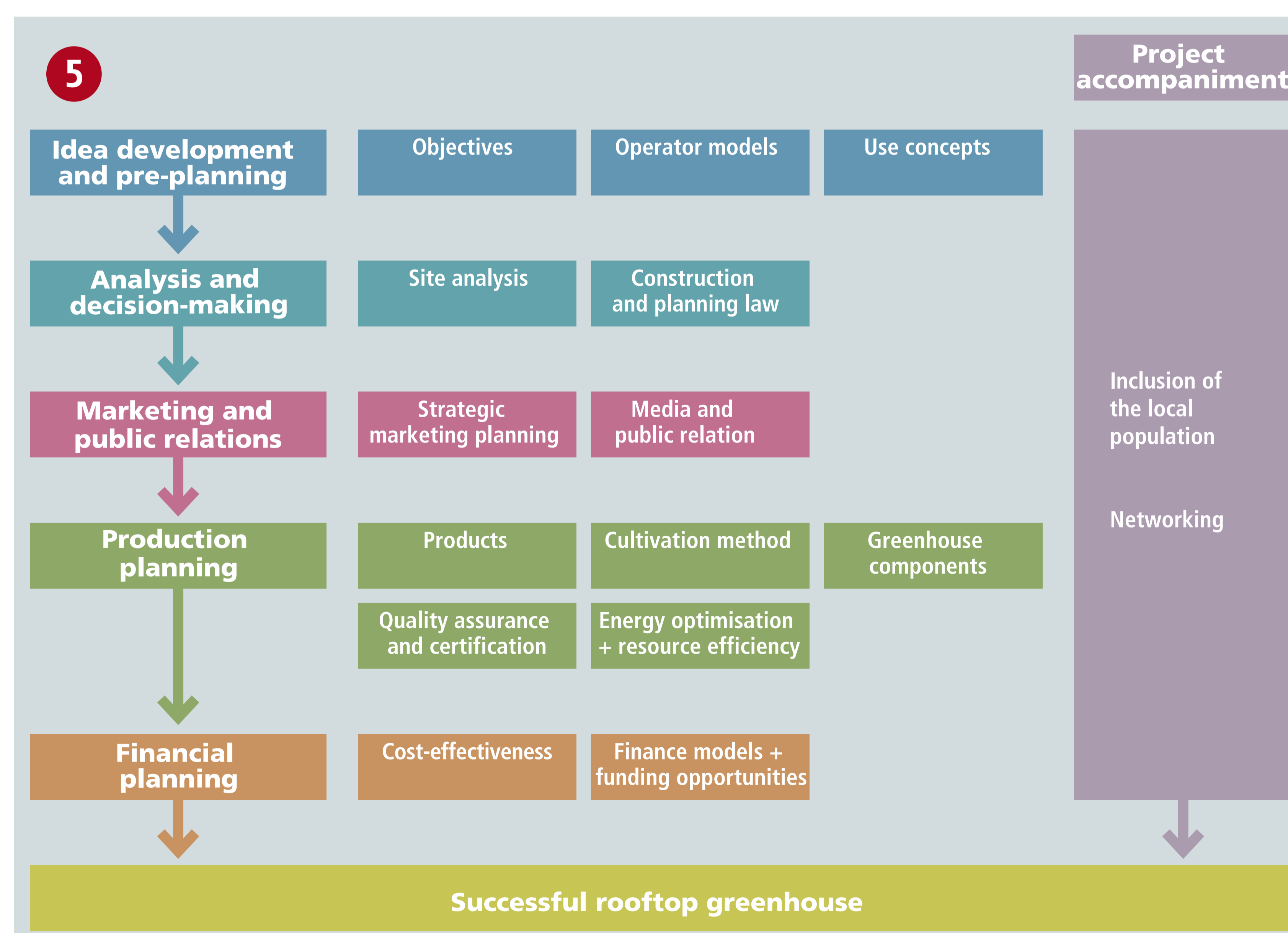
Building-integrated agriculture in cities is not dependent on natural soil, offers advantages in terms of competition for land in cities and reduces transport distances for foodstuffs. The most important issues in the planning and operation of rooftop greenhouses are summarised in 16 sections. The first part provides an overview of the potential of rooftop greenhouses in Berlin as well as recommendations for action. The second part is a guide for the planning, construction and operation of rooftop greenhouses.



ROOFTOP GREENHOUSES ▲ Idea ▲ Planning ▲ Implementation



- 1 Collage of Potsdamer Platz in Berlin and a strawberry greenhouse
- 2 Harvesting
- 3 “Tomato fish (Tomatenfisch)” aquaponic rig of the Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB) at FEZ Berlin
- 4 Cover page of the guide for rooftop greenhouses
- 5 Planning process



**Further information:**  
[www.zalf.de](http://www.zalf.de)  
[www.zfarm.de](http://www.zfarm.de)

The guide can be downloaded for free from the website  
[www.zfarm.de](http://www.zfarm.de)

**Contact:**  
 Dr. Rosemarie Siebert  
[rsiebert@zalf.de](mailto:rsiebert@zalf.de)

> **Building-integrated agriculture**