



# BetterGardens:

## SOIL QUALITY, BIODIVERSITY AND SOCIAL VALUE OF URBAN GARDENS

**What are the social, ecological and soil sustainability impacts of urban garden cultivation under various management concepts in Swiss cities ?**

### Factors influencing gardeners' behaviour

#### FiBL

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Policy and regulations



Social norms  
Attitudes and beliefs  
Perceived behavioral control

**Gardeners choose management concepts (e.g. organic) to achieve their goals.**



**The management concept that is chosen has consequences for the gardener, the soil and biodiversity in the garden.**

### Outcomes for gardeners



- Restoration
- Psychological well-being
- Physical health
- Social contact and cohesion
- Place attachment
- Fruit, vegetables, flowers etc.

#### WSL

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### Outcomes for biodiversity



- Biodiversity
- Plant-insect interactions
- Functional diversity
- Ecosystem processes
- Ecosystem services
- Interactions with soil

#### WSL

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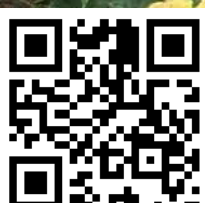
### Outcomes for soil quality



- Soil quality
- Physical soil properties
- Soil fertility
- Litter decomposition
- Relationship with biodiversity

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[www.bettergardens.ch](http://www.bettergardens.ch)  
[www.fibl.org](http://www.fibl.org)  
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