

# Building Biology Master Communities

## Building Style

- A wide variety of personalized buildings
- Use of building biology and ecological building materials, preferably locally available
- Cost-effective building (simple structures, do-it-yourself, cooperation with neighbors)
- Implementation of noise protection
- Natural light, lighting and color conditions
- Consideration of harmonic measures, proportions and shapes



Master community „Am Chachhof“, Bamberg



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SOZ village community Holzham, Planung: Prof. König, München

## Infrastructure

- Self-sufficient energy supply (solar, wind, biogas, geothermal, etc.)
- Self-sufficient food supply as much as possible (fruit, vegetables, grains)
- Self-sufficient waste disposal (biogas system, plant wastewater treatment, composting toilets)
- Utilization of rainwater for irrigation and domestic water use
- No through-roads
- Construction of water-permeable trails and walkways (no concrete or asphalt)
- Creation of community spaces and facilities (community house, café, daycare center, water playground)
- Parking lots outside the residential core area



Master community „Am Chachhof“, Bamberg, Design: Theodor Herzler, Barockhausen

## Housing Style

- Housing away from sources of emissions and noise
- Building sites without natural anomalies and disturbances
- With sufficient green spaces and low density
- Protecting fresh air supply zones
- Integrated with the landscape
- Neutralization of air pollutants with vegetation (trees, green facades, etc.)
- A variety of personalized house and apartment styles that promote integrated living of occupants (elderly, youth, singles, couples with and without children)
- Avoiding barriers for disabled people

## Work and Lifestyle

- Creation of workplaces within the community by:
  - growing, processing and marketing food;
  - operating low-noise and low-emission businesses;
  - facilitating educational courses and seminars;
  - accommodating and hosting guests
- As much integrated living as possible including elderly, sick and disabled people

Building Biology Master Community Plan	
1 Access road	8 Reed bed wastewater treatment with pond
2 Entrance	9 Wind generator for energy supply
3 Community house	(additional utilization of solar and water energy as well as biogas)
4 Community parking	
5 No cars beyond here	
6 Vegetable garden	
7 Grain field	

