

Stormwater management – A project focus of KURAS

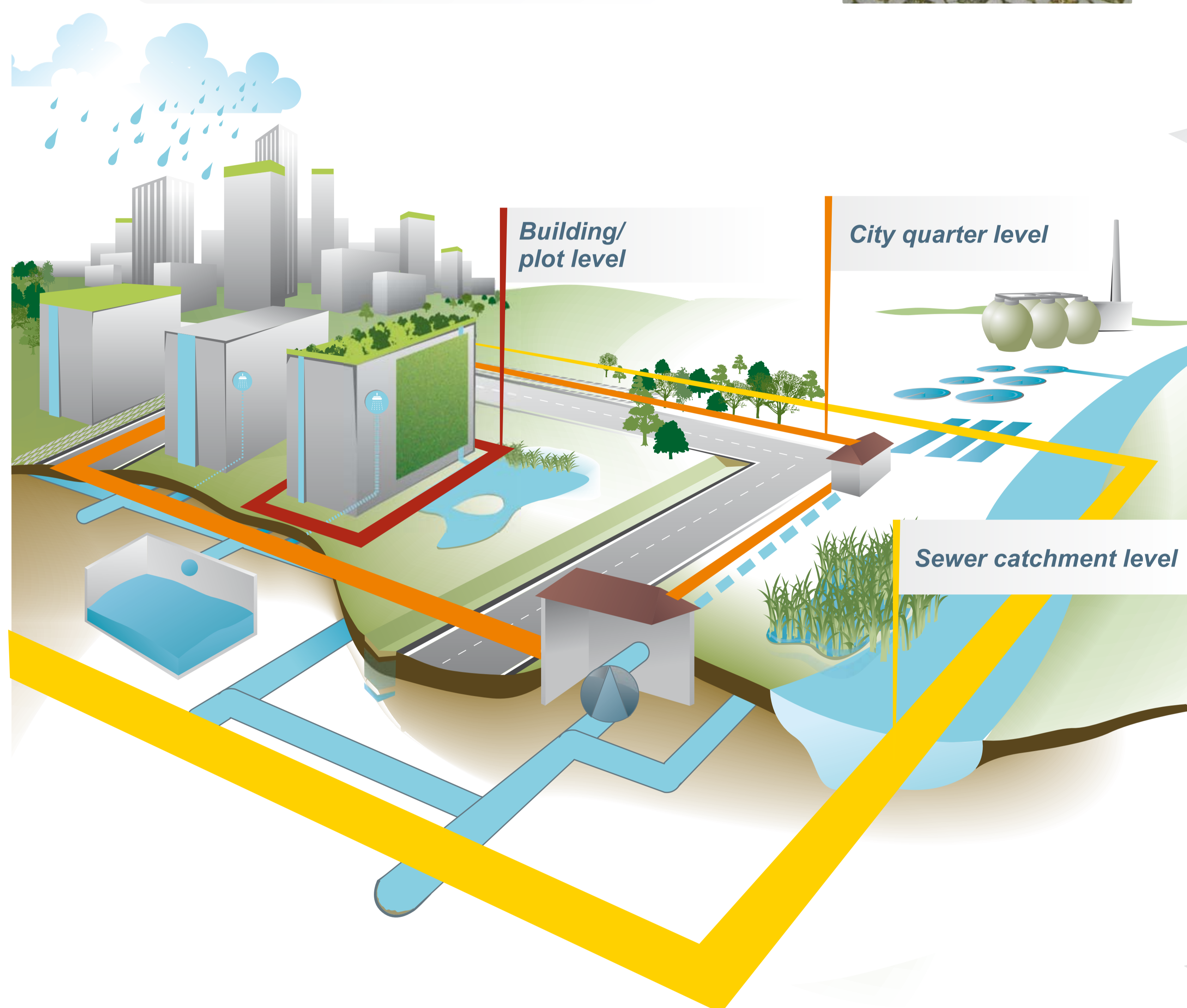
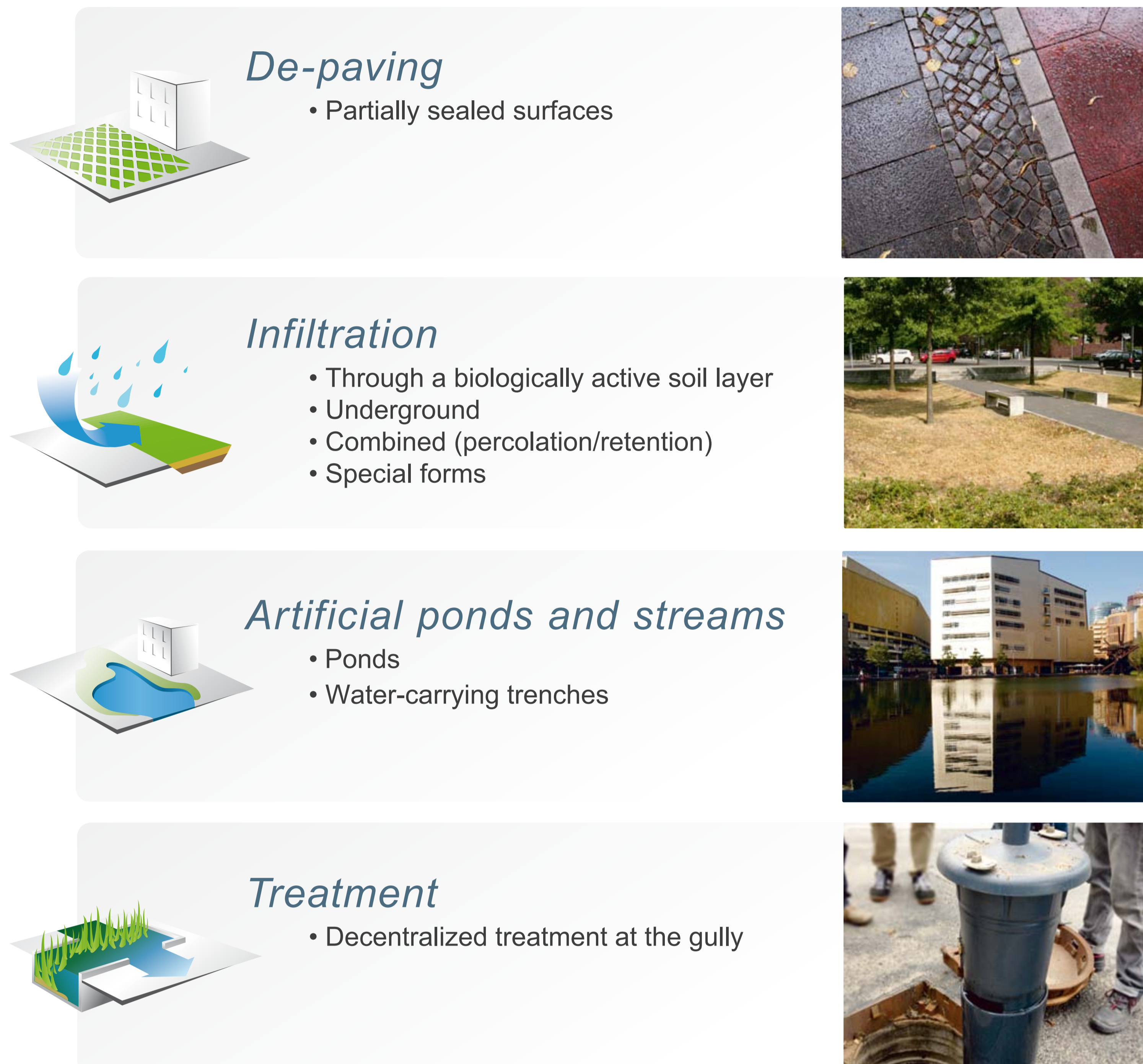
Building/plot level

Planning of measures on buildings generally focuses on residents. Responsibility lies with the private or public owner.



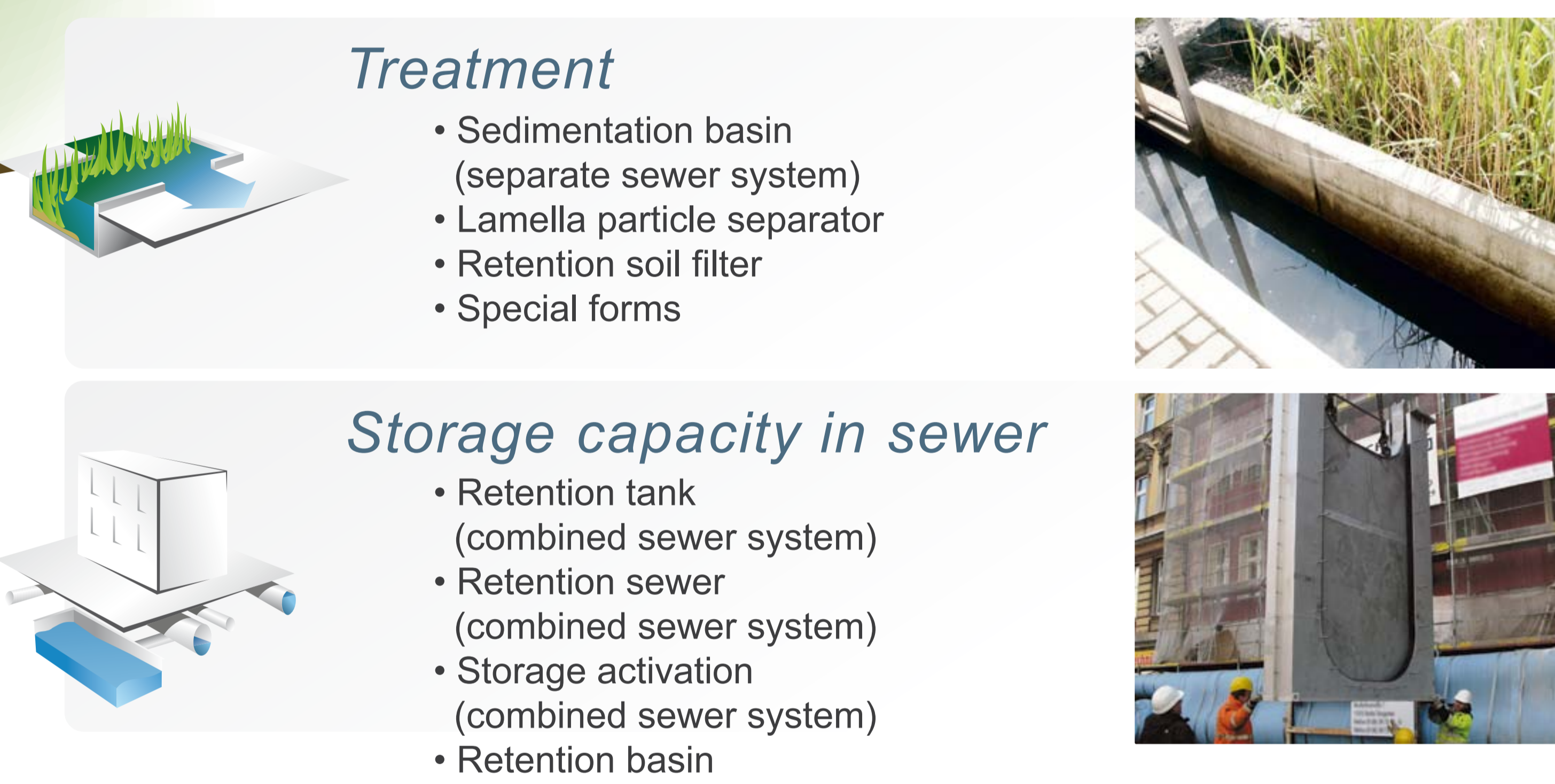
City quarter level

Measures in city quarters are planned with a focus on residents and on water-management requirements. Responsibility generally lies with the public sector.



Sewer catchment level

Measures at the level of the sewer catchment area generally built to fulfil water-management requirements. Responsibility generally lies with the operator of the sewer network and the public sector.



KURAS has considered the potential of stormwater management at three spatial scales: at the building/plot, the city quarter and the sewer level. Both the measures and the responsibilities differ among these levels. The initial aim of KURAS was to evaluate the impacts on residents, the environment and economic aspects in a uniform manner. Based on this evaluation, a method was developed that can support the integrated planning of measures for stormwater management for specific urban neighbourhoods. The results show that the combinations of measures – from building and quarter levels through to sewer catchment area – that were developed using the KURAS method for two Berlin neighbourhoods (in Schöneberg and Pankow) significantly improved the targeted effects for the environment and for residents.

The following effects were evaluated as part of KURAS:

Residents

- Building physics and services
- Landscape quality
- Urban climate

Environment

- Biodiversity
- Groundwater/soil passage
- Surface waters

Economic aspects

- Costs of measures
- Use of resources



All results available at:
www.kuras-projekt.de

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