Green City of the Future – climate change-resilient neighbourhoods in a growing city

Working group 4: Economic aspects of green infrastructure

Objectives

City Greenspaces provide diverse ecosystem services to urban society. The aim of working group 4 is to illustrate the economic aspects of climate impacting ecosystem services.

Methods

Working group 4.1 examines the value of green infrastructure and in particular the green belt around Munich, to estimate the recreational value for the urban population of Munich.

It shall address the questions like which possible uses and factors of accessibility are decisive for residents of Munich, whether they spend their leisure time in urban open spaces, the green belt or the surrounding area?

Of particular interest is how recreational value and behaviour change in view of rising temperatures and to what extent various socio-demographic groups are affected differently.

Therefore a representative population survey of 500 participants will be carried out.

Source: High Contrast (Riemer Park - Riemer See (1), CC BY 3.0 DE)

The survey will be conducted citywide, however, the questionnaire will refer in particular to the real laboratory "Klima-Grüngürtel" (climate green belt). A standardized questionnaire will be used, which contains along with the questions about socio-demographic characteristics and use of green infrastructure in the city and its surroundings, a choice experiment. The respondents could select their favourite among different recreational green areas in the green belt. A statistical evaluation of the survey would allow to draw conclusions about the relative appreciation for different characteristics of the recreational areas, about influencing factors on the choice of a nearby or surrounding recreational area and about differences between population groups.

Working group 4.2 examines how to control, promote measures and incentives for private greening in a building environment, such as facades, roofs and courtyards, and can they be developed in a need-oriented manner. For this purpose, available data and literature from Munich and comparable cities will be evaluated in 2019. To deepen the findings, interviews with representatives from the administration and the target group of the promotion measures in the real laboratories of the railway station district and Messestadt Riem will be conducted in the first half of 2020. In addition, a series of workshops will be conducted with homeowners to identify obstacles and factors affecting their willingness to invest. Based on this, suggestions for further development of the instruments will be developed and tested. Based on the results of the working group, recommendations for action will be derived and prepared.