Integrated analysis and Assessment of Green City Oases

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Value of green city oases

- Recreation
- Urban risk mitigation
- Urban Climate
- Urban Ecosystems
- Human Wellbeing
- Quality of Life
- A city’s image
- Residential satisfaction
- Planeing
Aim of the project

- Developing methods to support a sustainable planning and management of parks that can react to changing user needs and new requirements.
Concept

Quantitative information
Earth observation data

Qualitativ Information
In-situ questionnaire surveys

Integrated database
(Re)designing parks
Two study areas in the city of Salzburg

Lehener Park & Preuschen Park with its neighbourhoods
Lehener Park with its district

Aerial photography, 2014
Preuschenpark with its neighbourhood

Aerial photography, 2014
Remote sensing data

Quickbird, 21.06.2005

WV-2, 09.07.2011

Orthofoto, 2012

Orthofoto, 2014

Pleiades, 01.09.2015
Object-based image analysis approach
Spatial distribution and amount of green structure
4 Themes

- Personal assessment
- Attractiveness
- Importance of various elements of the parks in general
- Accessibility

⇒ 164 Answers in 5 days
⇒ Between 7:45 a.m. to 8:30 p.m.
Statistics e.g.:
- preferences for attractiveness
- perceived safety
- perceived greenness
- perceived summer temperature
- perceived significance of various features and services offered by the parks
Spatial hot spots of favourite places according to activities
Expert interviews with 4 stakeholders
User workshop to present initial results
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