

# WORLD URBAN FORUM 11, Katowice, Poland

## Networking event „Green future of cities“

# Green Infrastructure is quality of life – Stuttgart Region’s approach for planning and implementation

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[www.region-stuttgart.org](http://www.region-stuttgart.org)

- » Stuttgart Region: overview and challenges
- » Available Instruments
- » Stuttgart Regional Landscape Park – amplification and selection of green-blue infrastructure projects
- » Further development – update of well-tried planning approaches

# Stuttgart Region: overview and challenges

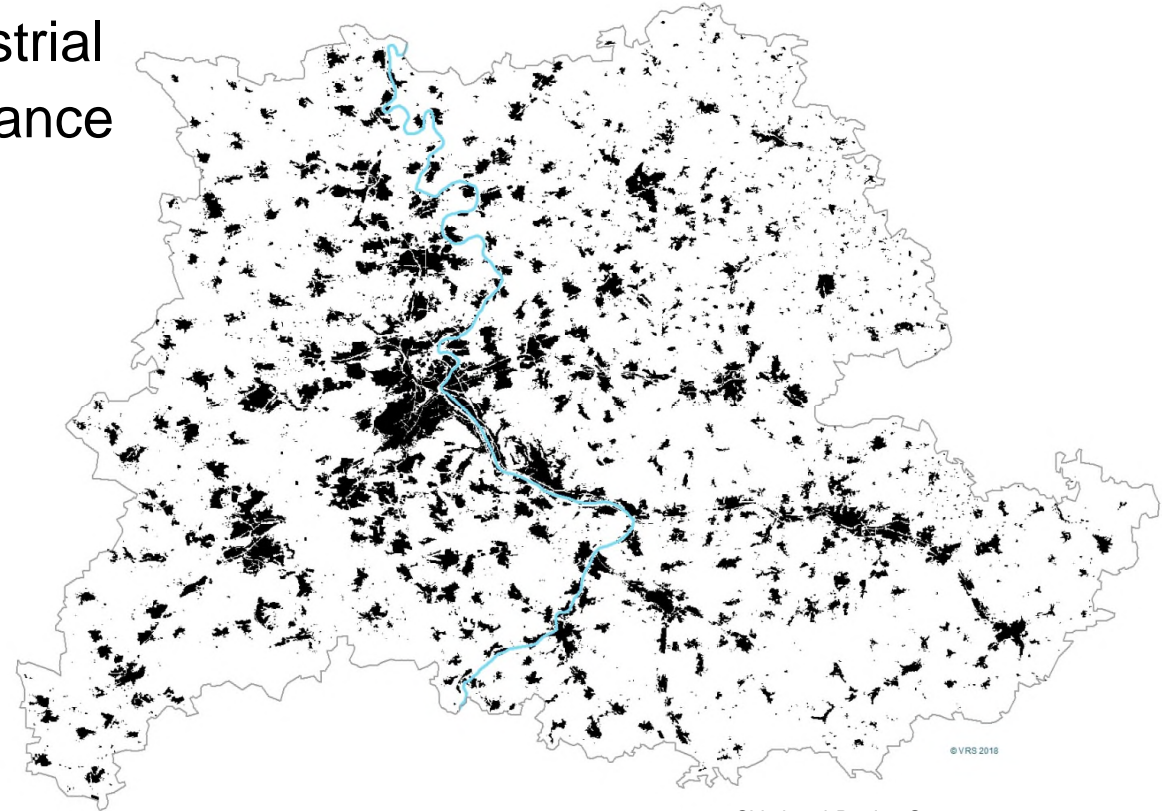
## Stuttgart Region, Germany: Economical Powerhouse – but vulnerable

- » 2.8 Mio inhabitants, 179 municipalities
- » Dense: 755 inhabitants/km<sup>2</sup>
- » Polycentric
- » Industrial, national HQ of Daimler, Porsche, Bosch...
- » High diversity of landscapes
- » Coordination important for sustainable development
- » Verband Region Stuttgart as regional planning / development authority - with directly elected regional assembly



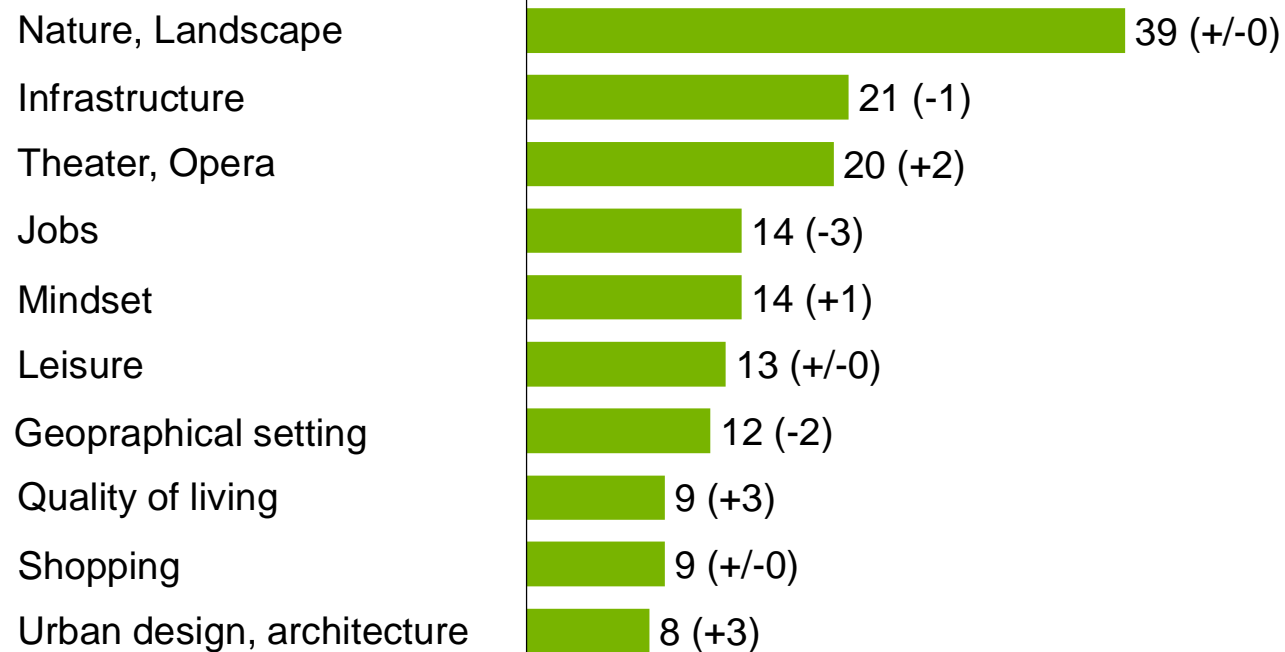
## Stuttgart Region: open space related challenges

- » Ongoing pressure on open space through settlement, infrastructure and industrial development - how to raise acceptance and create a balance?
- » Climate change: mitigation and adaptation
- » Loss of biodiversity
- » Rising need for nearby recreation



## #1 locational factor - nature & open spaces

### What you like most?

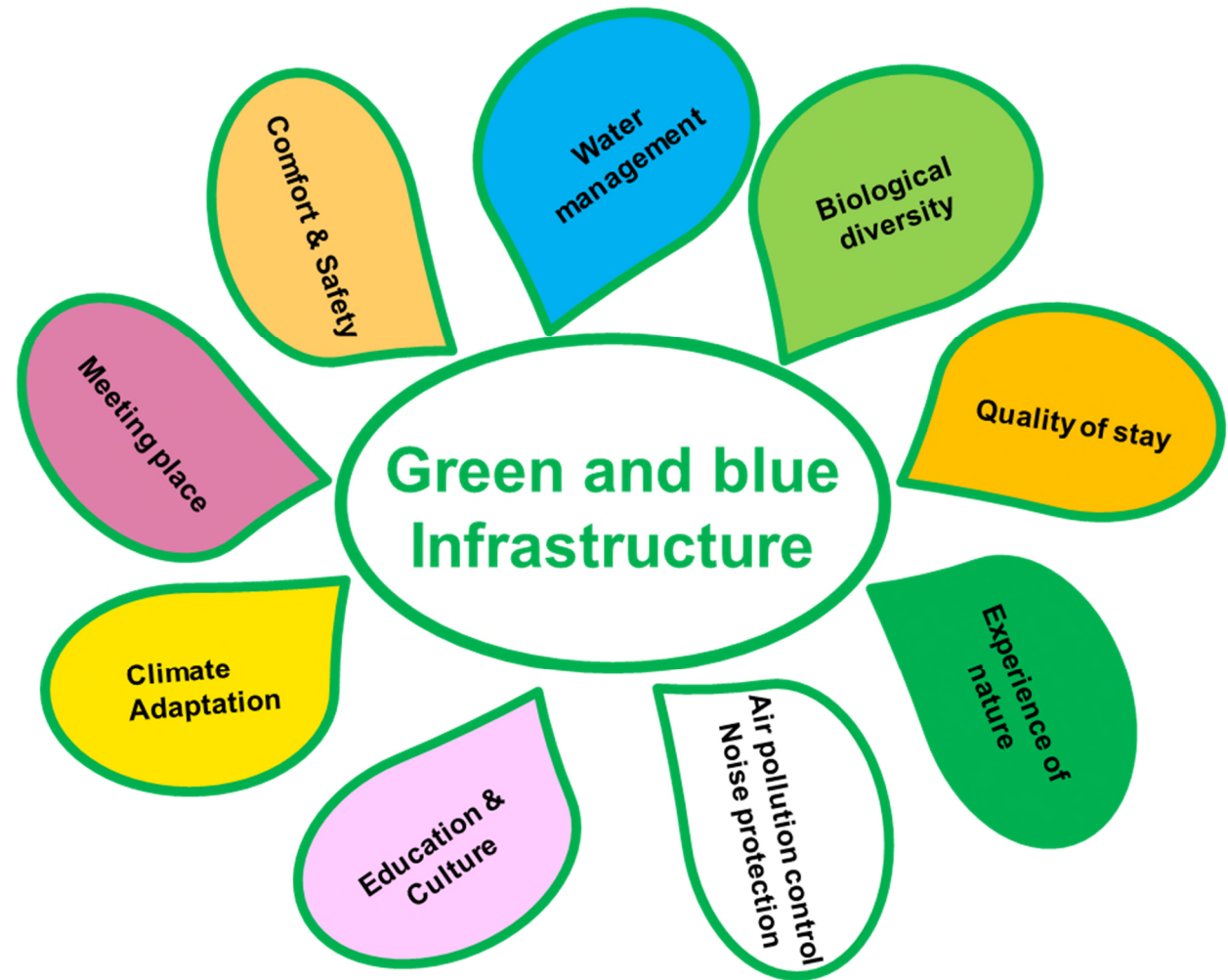


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- » Survey 2013 – 2018
- » Quality of open space is essential for overall quality of life

## 3 planning principles

- Think interlocal
- Dedicate and use space for more than one function
- Generate synergy effects and create added value

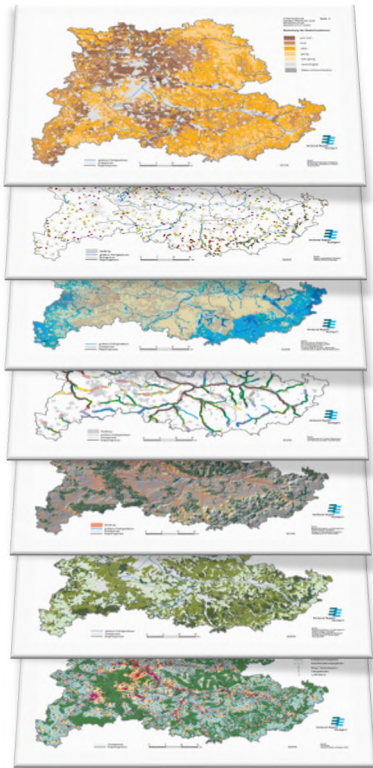


# Available Instruments



- » (Long term) perspective for spatial development
- » Transparent procedure, intensive information and consultation
- » Mandatory framework for Land use planning and building permits
- » Land use planning, development by municipalities
- » Aims at balanced, sustainable development

# Open space approach – knowing the facts, safeguard, consult and develop



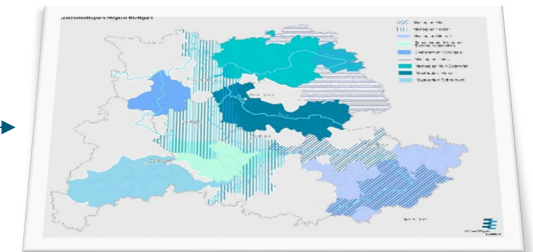
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Soil quality  
Heritage  
Ground water  
Surface water  
Recreation  
Biotopes/Habitats  
Climate



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Mandatory  
Green Belts and  
Corridors



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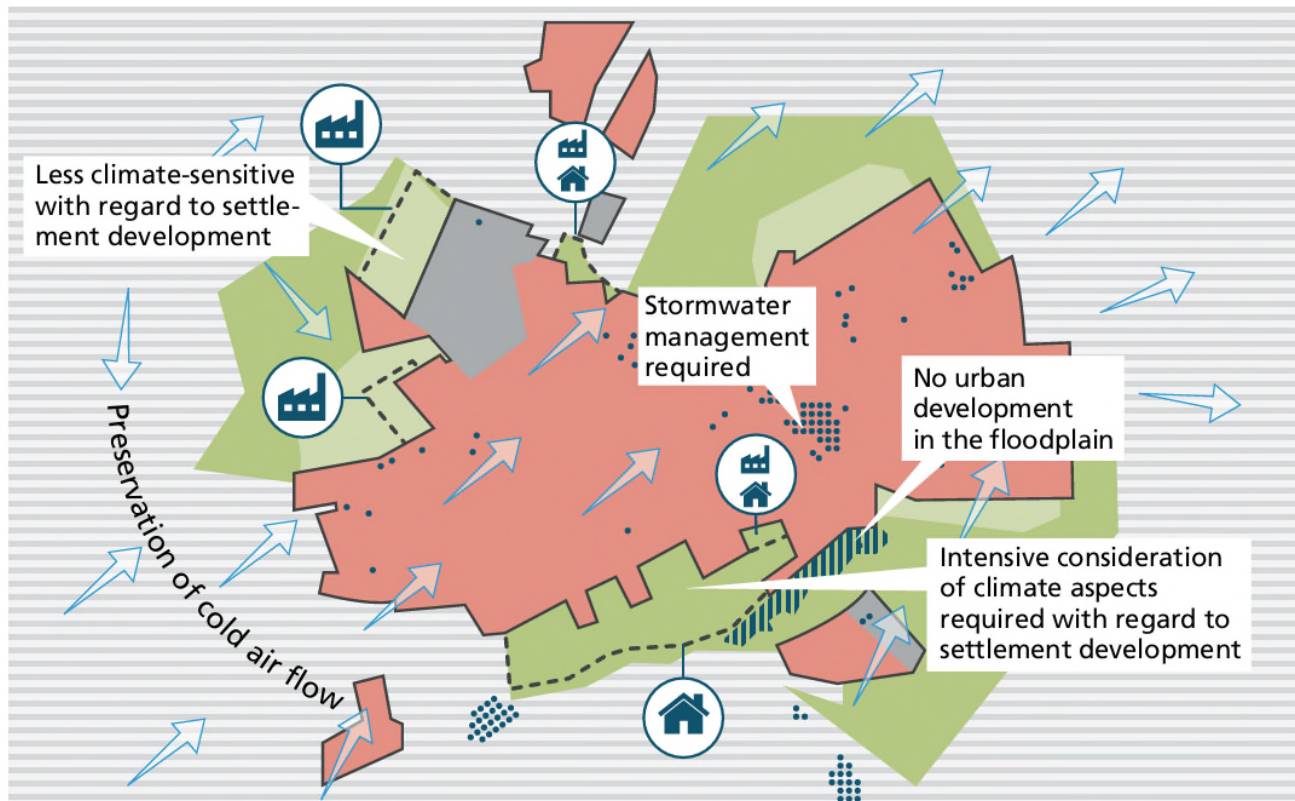
Stuttgart Region  
Landscape Park  
Corridors

# Safeguard open space with formal instruments












- » around 75 % of the regional area contains building and development restrictions by regional green belts and green corridors

# Consultation for municipalities

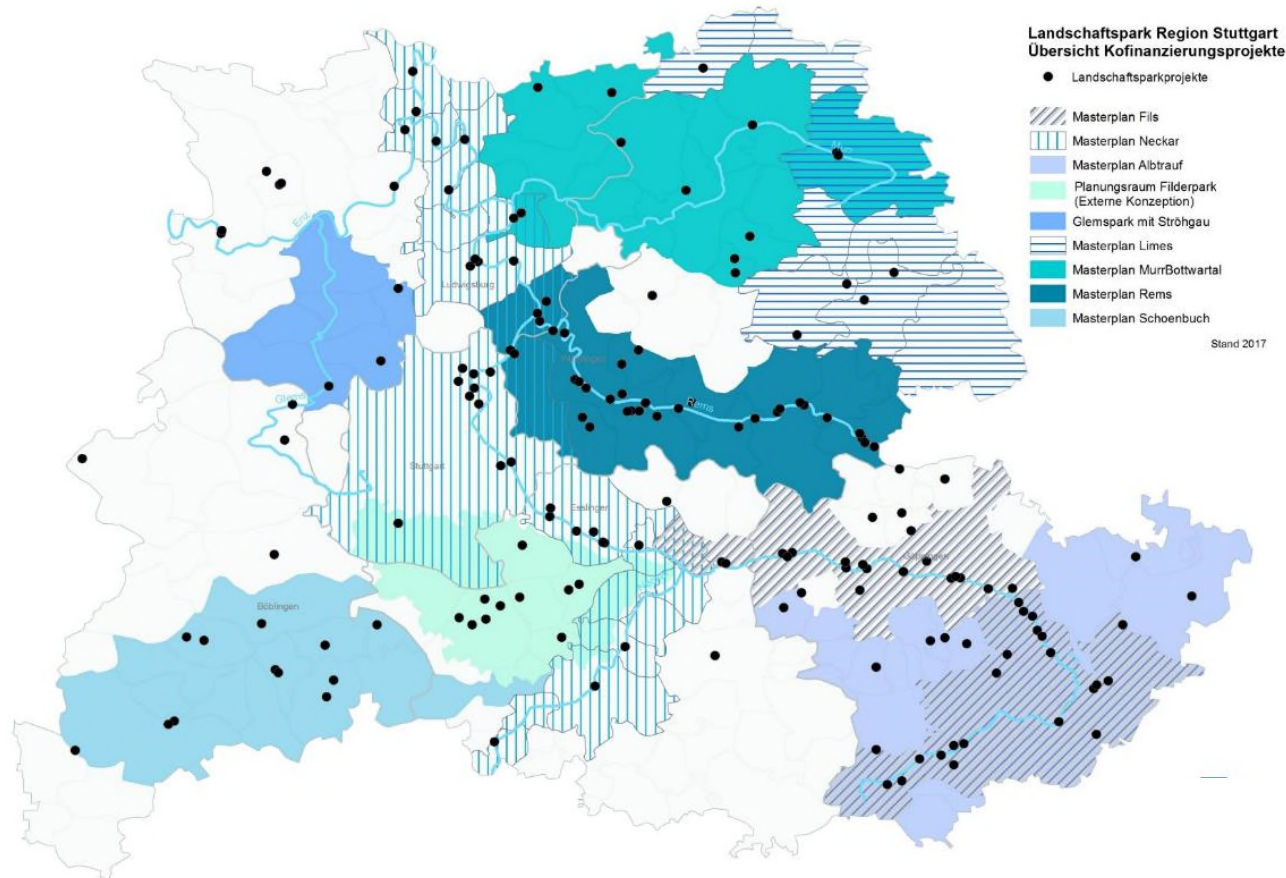


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- |   |   |  |
|---|---|--|
|  Open space with significant thermal climate activity      |  Flood risks during heavy rainfall |  Designated settlement expansion area |
|  Open space with less significant thermal climate activity |  Floodplain                        |  Business / Industrial                |
|  Impediment to further development                         |  Cold air flow                     |  Residential                          |

» Planning references for climate conscious settlement development

# Stuttgart Regional Landscape Park



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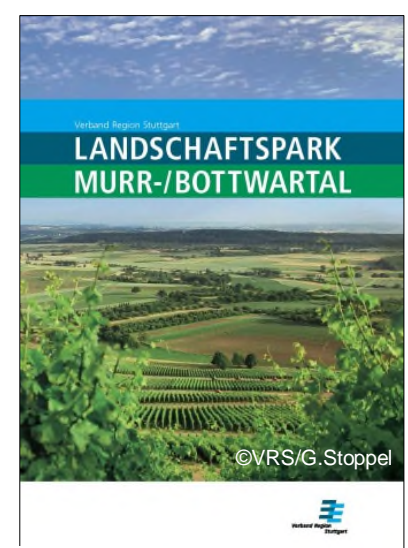
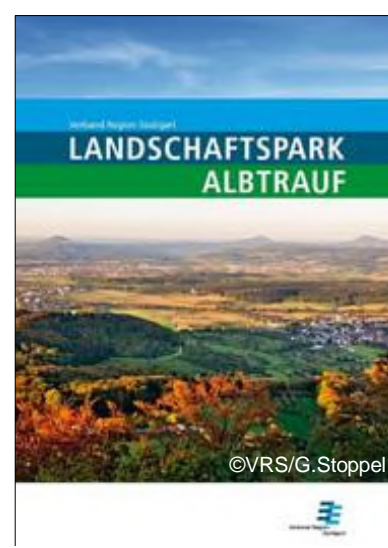
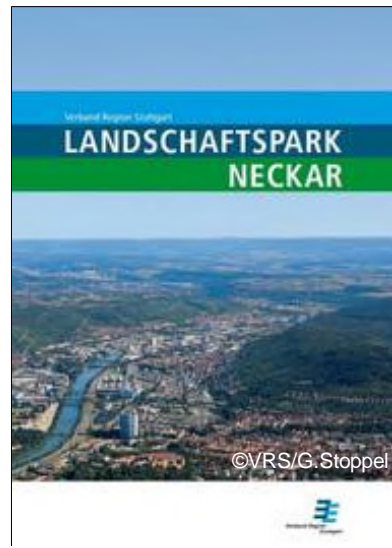
Master plans for multifunctional green infrastructure development – together with municipalities

Co-financing of multifunctional green infrastructure projects

(up to 50% of costs, ca. 280 projects since 2006)

## Landscape park master plans

- » custom-made and implementation-oriented plans for different landscapes
- » participation of relevant stakeholders
- » include guidelines for the development and up-grading of open spaces
- » different priorities, depending on different landscapes



# Green-blue infrastructure: retention, recreation, education, climate comfort





# Retention, recreation, climate comfort



VRS/Gottfried Stoppel



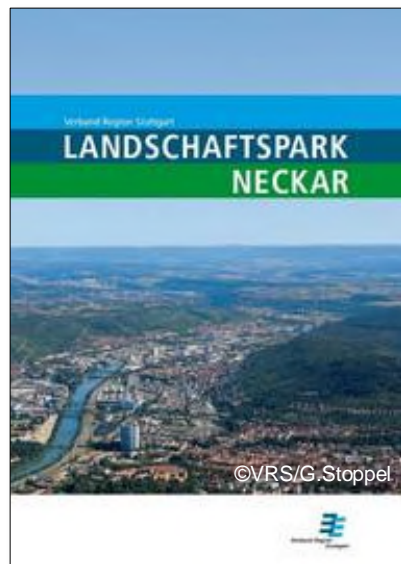
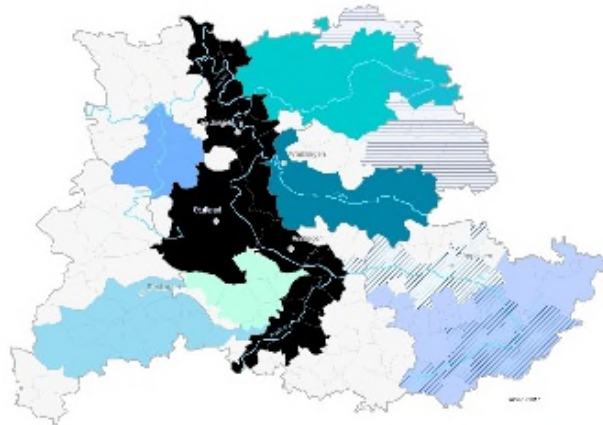
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# Retention, recreation, ecological enhancement, education



# Further development

# Looking ahead - Update Masterplan Neckar



Develop  
addresses on the Neckar

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## Already done -for example staging special locations



» art project and observation deck “landing stage” in Fellbach



## Already done -for example highlighting heritage



- » Old railway station building as gateway to the Stuttgart Region in Kirchheim/Neckar

# What else? - updated participation process to co-create new ideas

**Adressen am Fluss**  
Ihre Ideen für mehr Aufenthaltsqualität am Neckar  
bei einer Portion Freibad-Pommes rot/weiss







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- » What are your suggestions for more liveability along the river Neckar?

# Multifunctional green infrastructure: design basis for new industrial area







-  Stärkung Rad- / Wanderwegenetz
-  Herstellung neuer Verbindungen
-  Anbindung an Ortslage Mundelsheim, Neckartal und angrenzende Freiräume
-  Qualifizierung / Aufwertung der Einstiegspunkte Haltebereich für Wanderbus



-  Neupflanzung Waldstreifen
-  Straßen- wegbegleitende Baumpflanzungen
-  Saumstrukturen, Teil des Windkatzenkorridors
-  PIK
-  Produktionsintegrierte Maßnahmen
-  Stärkung Biotopverbund
-  Erhalt der Streuobstwiese



-  Aufenthaltsqualität im Bereich Mithras-Tempel / Römischer Keller
-  Akzentuierung Ausblicke
-  Qualifizierung Panoramaweg, Übergänge zwischen Waldrand und Offenland inszenieren
-  Gestaltung besonderer Verweilorte

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## In a nutshell

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- » To keep a region attractive and liveable it is necessary to actively protect and develop open space.
- » An intact multifunctional green environment increases the positive identification with a region and supports health and wellbeing of nature and inhabitants.
- » Stuttgart's regional landscape park with its close linking of planning and financing has proved as a highly effective tool that leads to step by step implementation of projects.
- » The landscape park supports the creation of an integrated network of recreation offers as well as natural spaces of high environmental value.
- » The landscape park is an ongoing project with a generation's timeframe – future projects will focus even more on adaptation to climate change and multifunctionality to provide different eco system and social services

Thank you for your attention

