

The mobility planning

- Use of new technology
- Interaction with the urban planning



Let me introduce myself to you



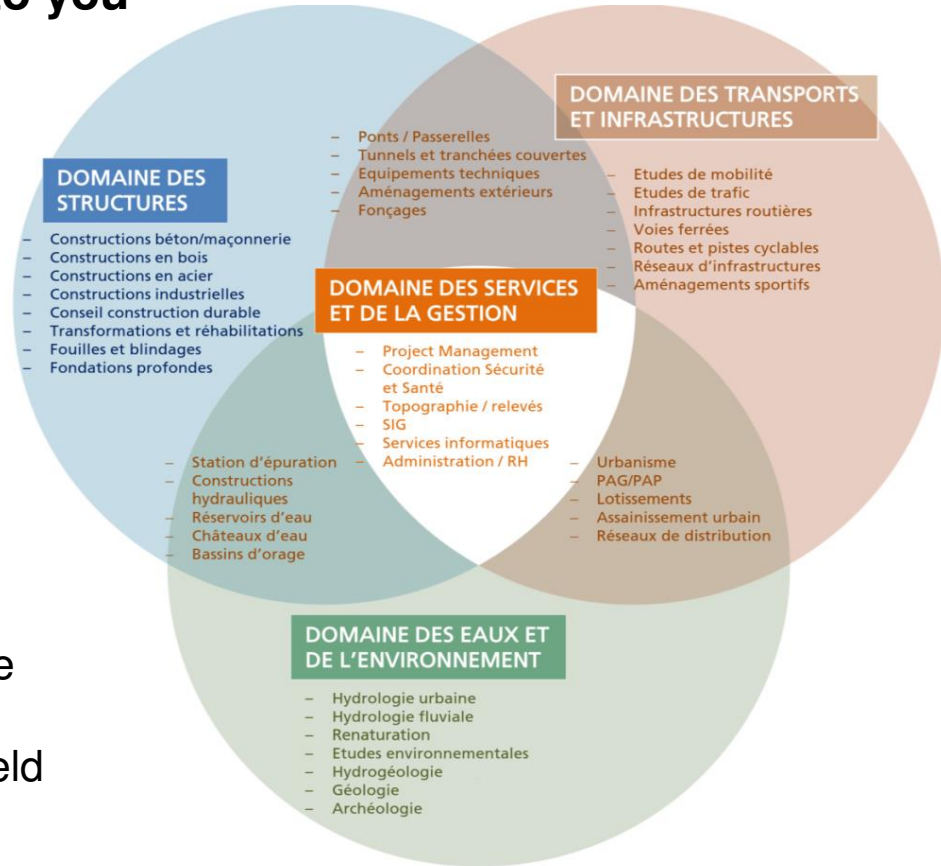
- **Studies at Technical University of Vienna**
 - Spatial and Urban Planning with a specialization in Traffic Planning
 - Master 01/1999
“Behindertengerechter öffentlicher Strassenraum”
- **Schroeder&Associés 03/1999**
 - Mobility Engineer
 - Partner
 - Leading MDI department (Mobility, Urban Development and Infrastructure)

Developing mobility studies for ministries, state and municipal administrations, syndicates, public or private investors.

Let me introduce myself to you

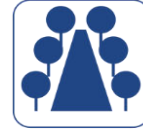


- 330 employees
- Working together in a daily exchange in this multidisciplinary organisation
- Consistently updating our working field

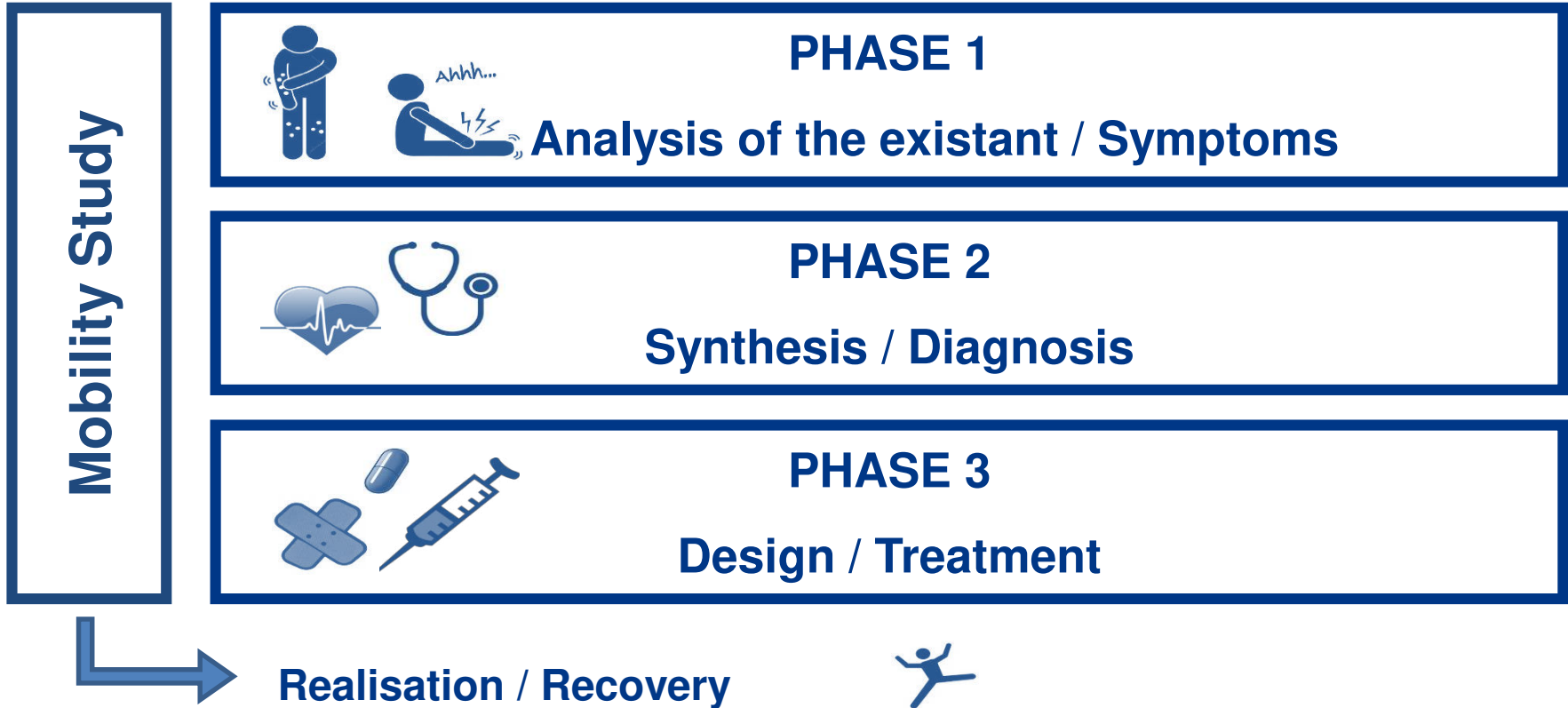


Our daily subjects of studies

Fields of our mobility concepts



Our strategy in mobility studies



Planning for you, together with you



He loves cycling!



She loves driving!



Children love playing!

For all of them this means freedom and quality of life.

All these mobility demands require infrastructure!

But available soil is limited and expensive!
→ Sharing infrastructure

Planning for you, together with you

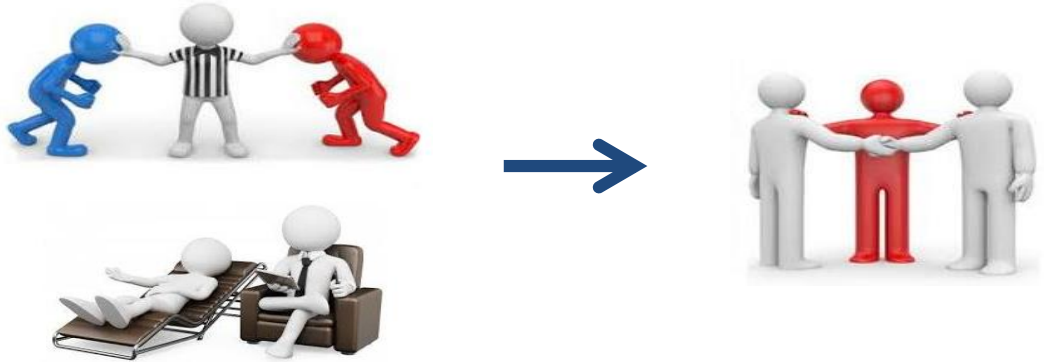


This results in conflicts!
Can we solve them?
How can we solve them?



Planning for you, together with you

Engineers become more and more of a mediator, psychologist...



The challenge is to implement a project, an urban area, a public space, an infrastructure where everyone respects the other's needs.



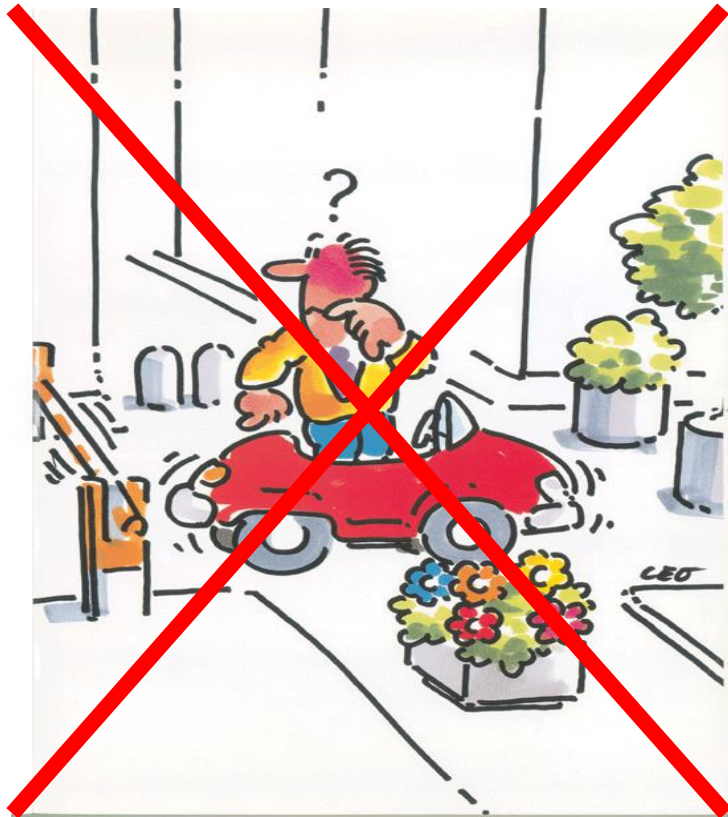
What infrastructure are we confronted with?

Cities planned around the car!

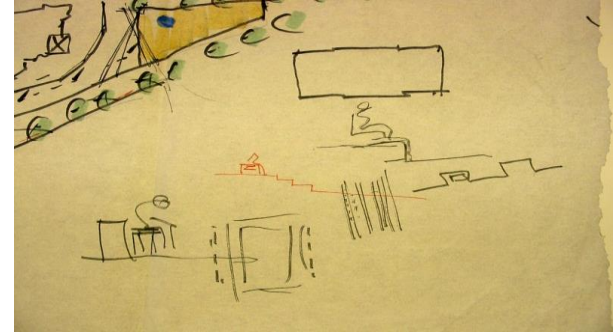
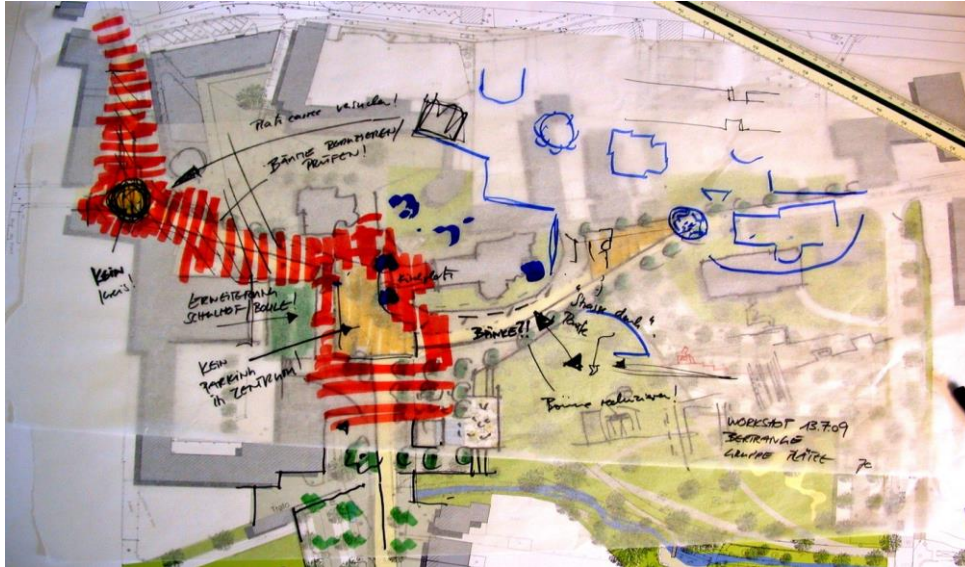


Example: Lorentzweiler

No, we don't want to punish!



We need to communicate and work together!



Shared space – result of a public workshop for a new center



Shared space – result of a public workshop for a new center

Before



Shared space – result of a public workshop for a new center

After

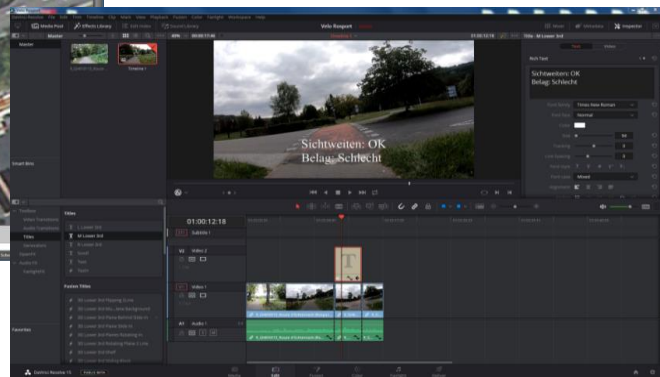
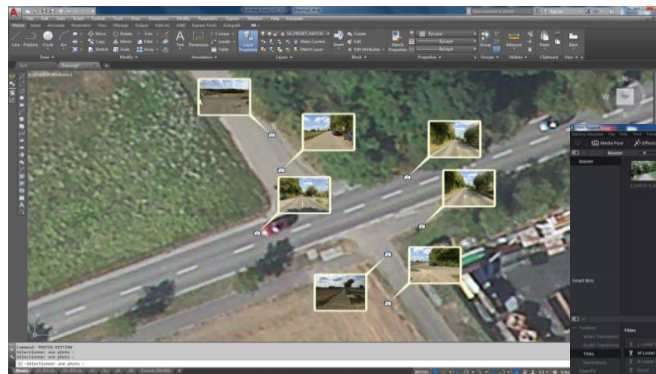
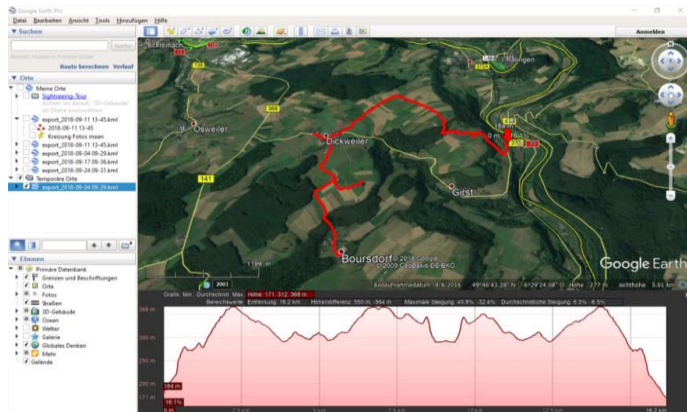


VR-glasses help our projects to be understood and optimized to guarantee the best possible implementation of the project in the existing urban surrounding



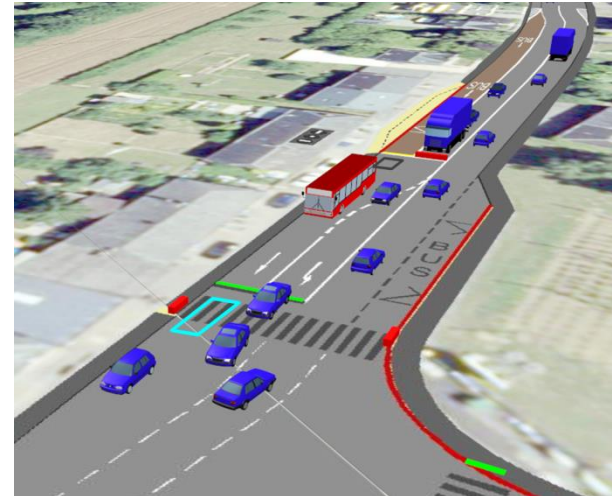
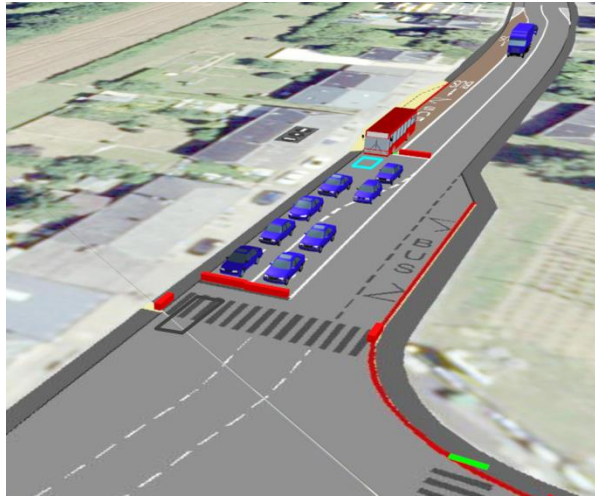
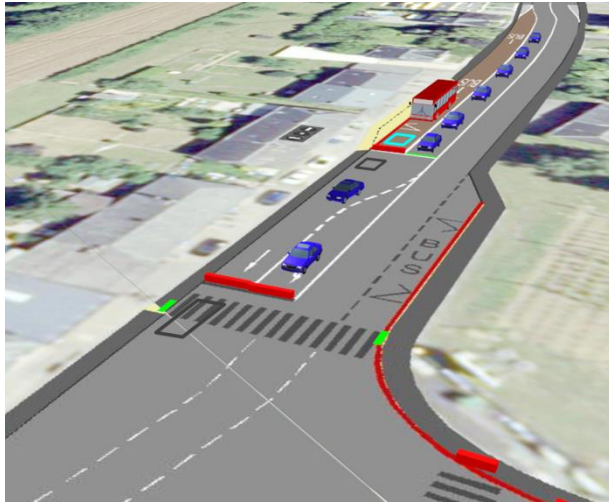
Example: Gemeng Bous

New ways to analyze the existing situation



Micro-simulations and intelligent/interactive help to optimize planning

→ more efficient use of soil, less new infrastructure to be constructed



New forms of mobility also change the urban and spatial organization

- Electric car



- E-bike



- E-bus



- Other innovations



Challenge to integrate new forms of mobility in the urban space!

Example: Diffbus Déifferdeng



Example: Nordstad/Hesper

Challenge to integrate new forms of mobility in the urban space!

Eine platzsparende Fahrrad-Parklösung

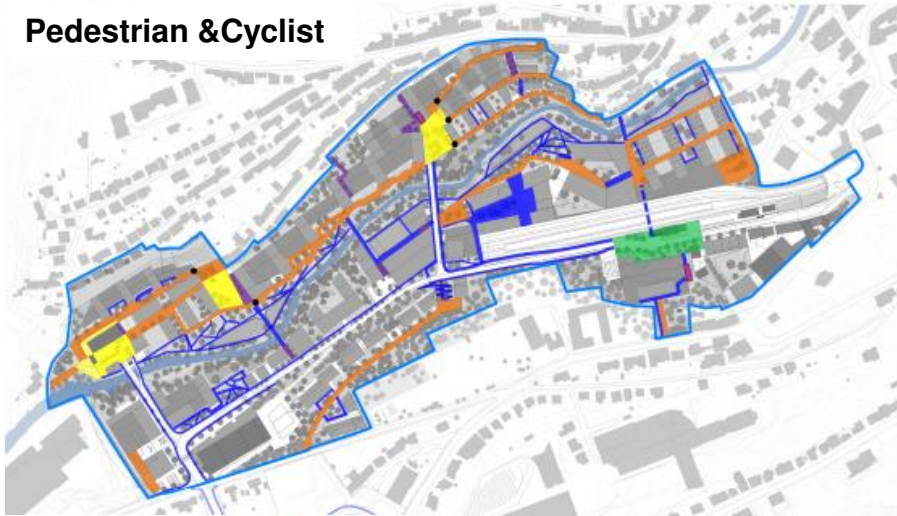


Fahrradständer bieten zugleich Sicherheit und Regenschutz



Together all concepts form the future urban quality

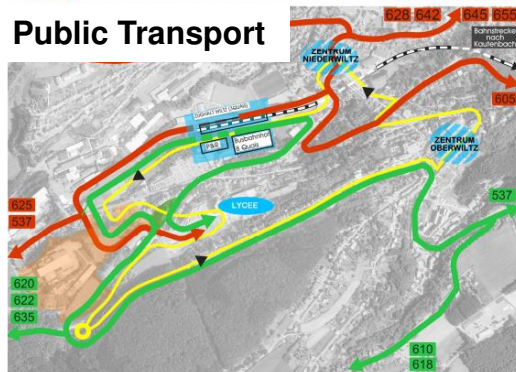
Pedestrian & Cyclist



Landscape planning



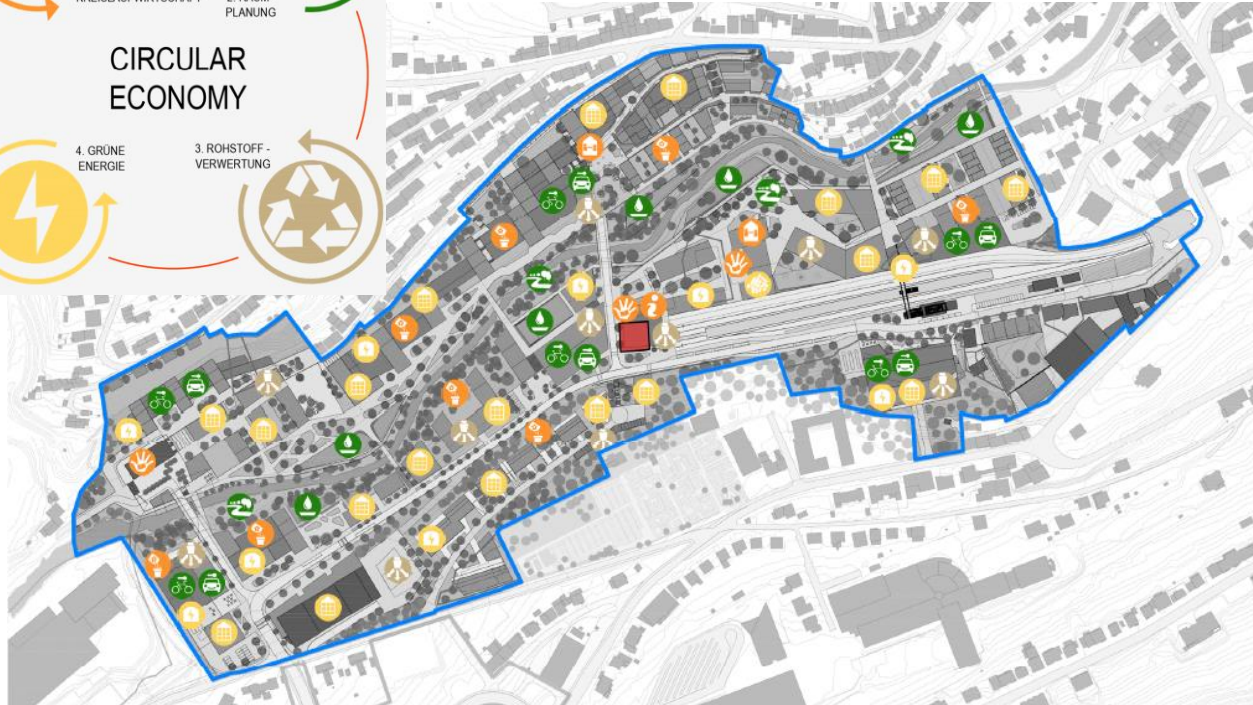
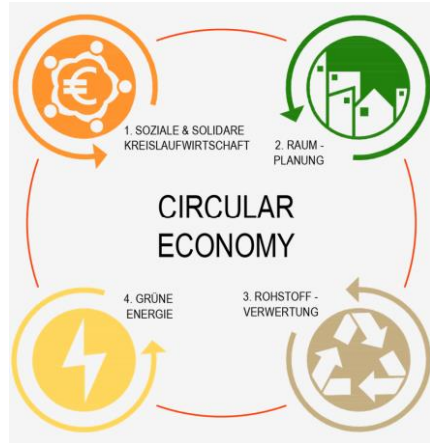
Public Transport



Water & renaturation

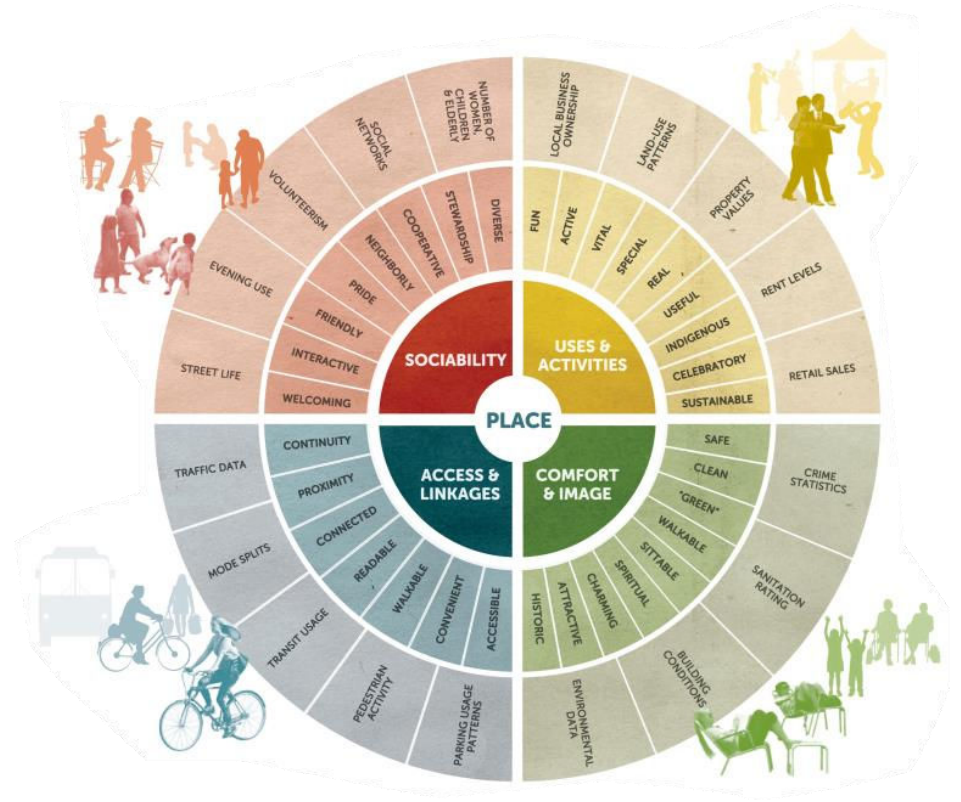
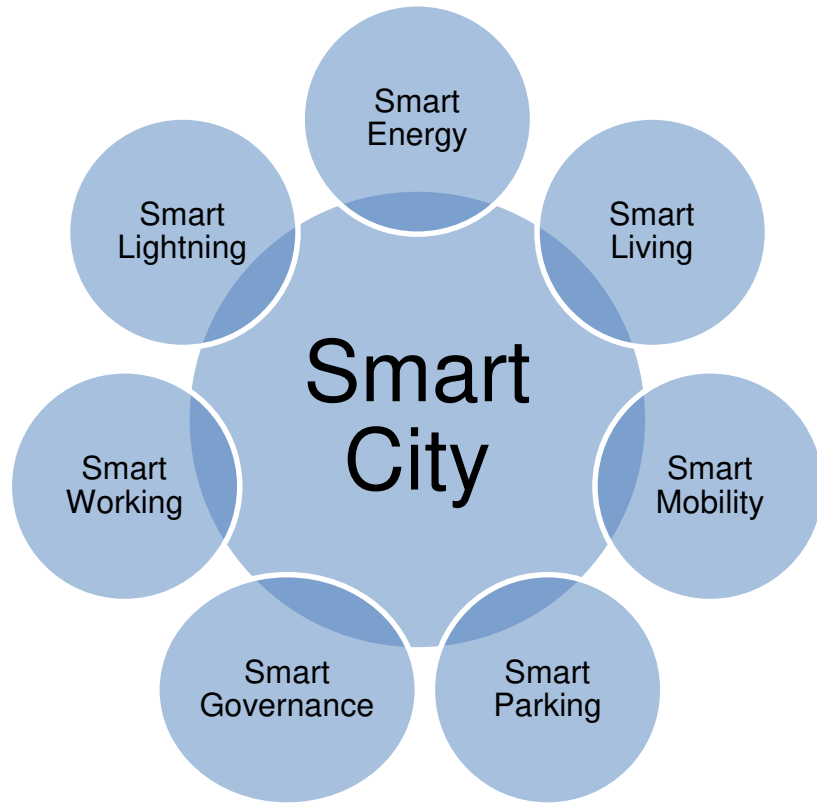


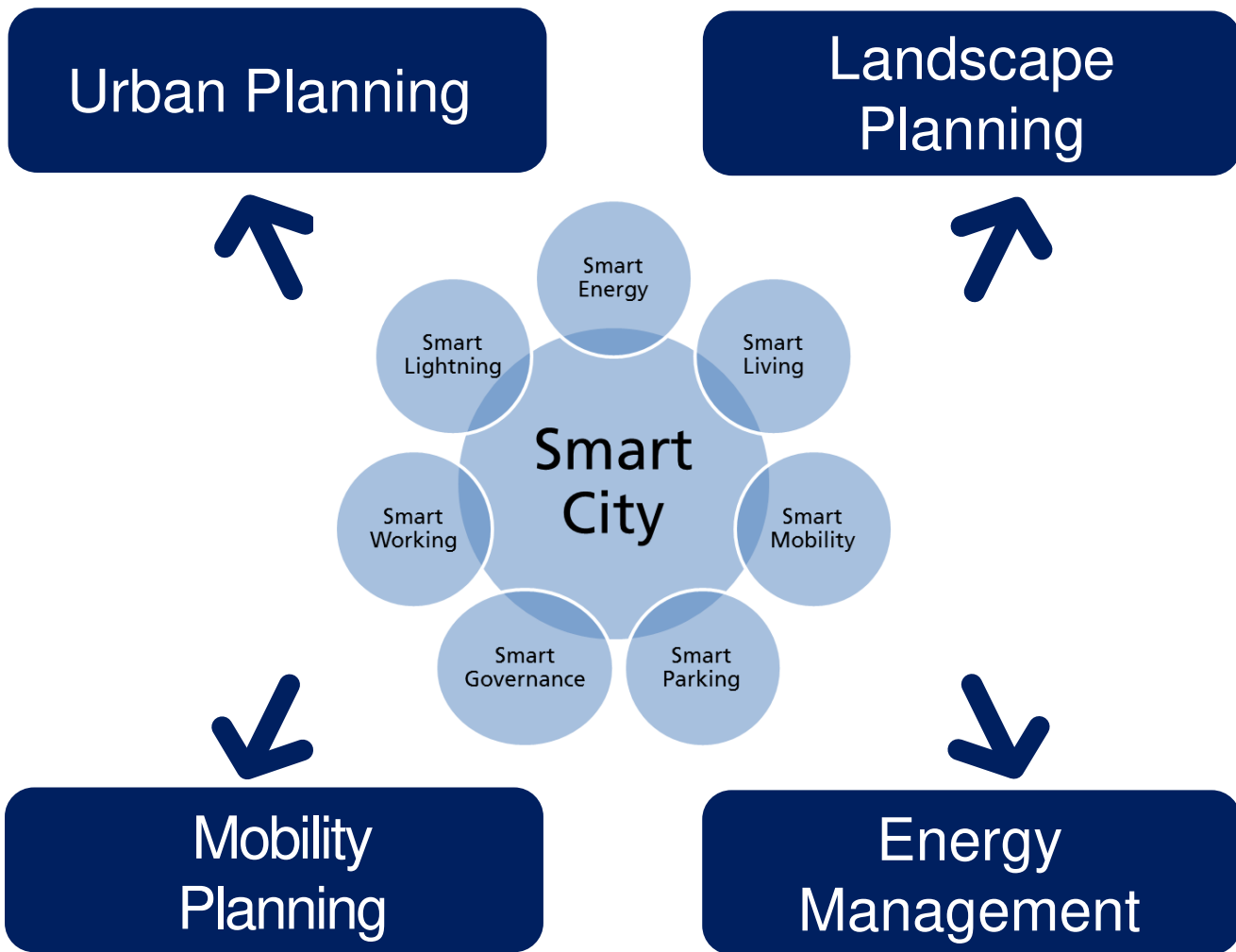
Allround concept integrating all elements of smart and sustainable city



- Sonderfunktion, zentrale Informationsstelle für Kreislaufwirtschaft
- Bürgerinformationszentrum + Sharing Economy
- Partizipative Teilnahme
 - Ausbildung & Wissensvermittlung
 - Workshop
- Gemeinschaftsräume
- Gemeinschaftsgarten
- Freiraumplanung
- Wasserwirtschaft
- Gemeinschaftsparking
- VeloSharing
- Abfallbewirtschaftung (Label Sortierung)
- Solarenegie
- Saisonspeicher

Smart cities – “La ville de demain”





The smart city needs

- Large **offer** of mobility solutions in order to seduce a maximum of people
 - Sharing Mobility
 - Autonomous vehicles
 - Modern public transport
 - Modern parking management

- Adequate mobility **infrastructure**
 - Restricted parking availability
 - Automatic parking systems in park houses
(in order to remove them easily when needed or give them another use)
 - High quality public areas
 - Mobility Hubs

Smart cities – “La ville de demain”

The smart city needs

→ User-oriented solutions

- Apps
- Digital platform for networking
(contacts with providers)
- Mobility manager

→ Climate friendly solutions

- E-mobility
- Solarelectricity
- ...

*Mobility
Planning*

Selection of the appropriate smart solution

Mobility Planning

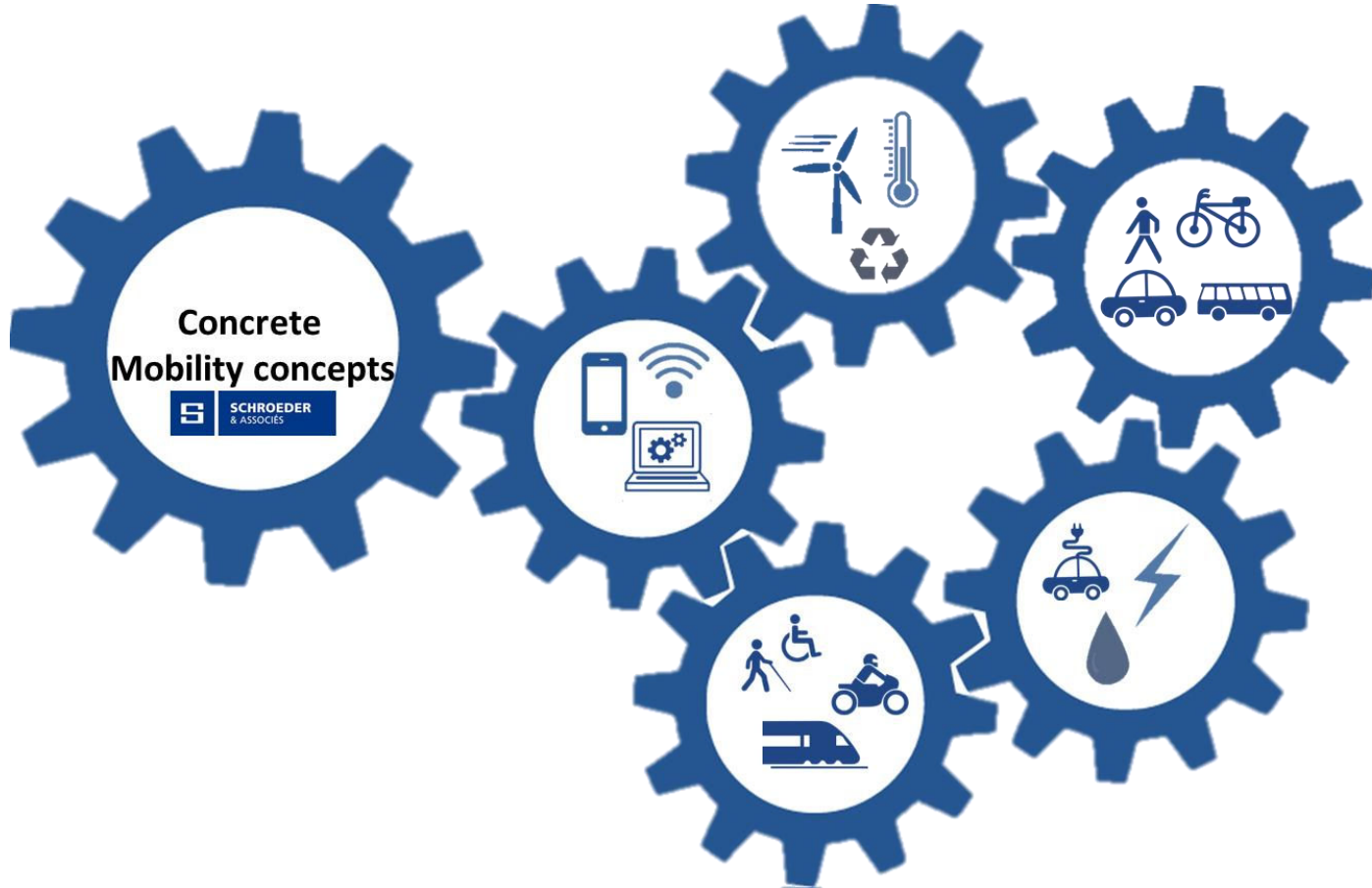


Smart City

→ Smart mobility



All these smart and less smart elements form our future!



The new technology in mobility planning and the interaction between the urban planning



SCHROEDER & ASSOCIÉS

Jean-Luc Weidert

05/03/2019