

TAKING  
**COOPERATION**  
FORWARD



Brdo pri Kranju, 25. September 2018

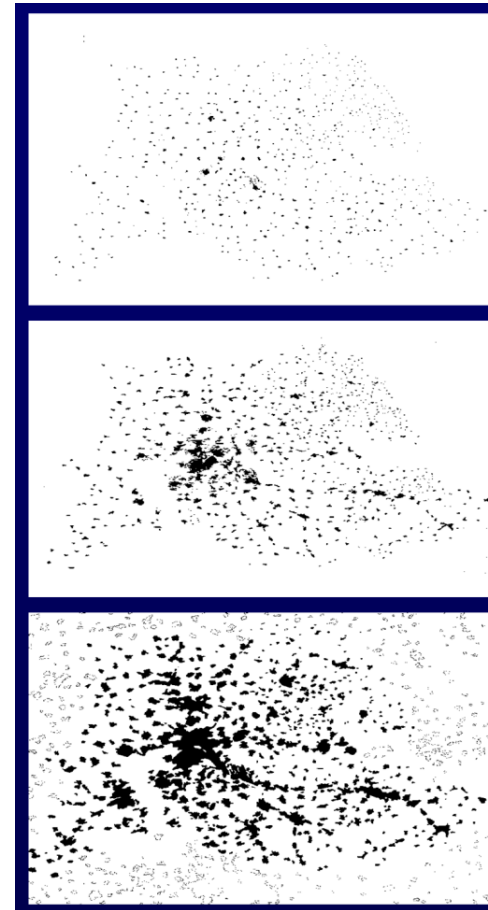


## **Tackling land take by introducing compensation measures**



Dr. Uwe Ferber // // StadtLand GmbH in co-operation with Bernd Siemer, Karl Eckert, LfULG

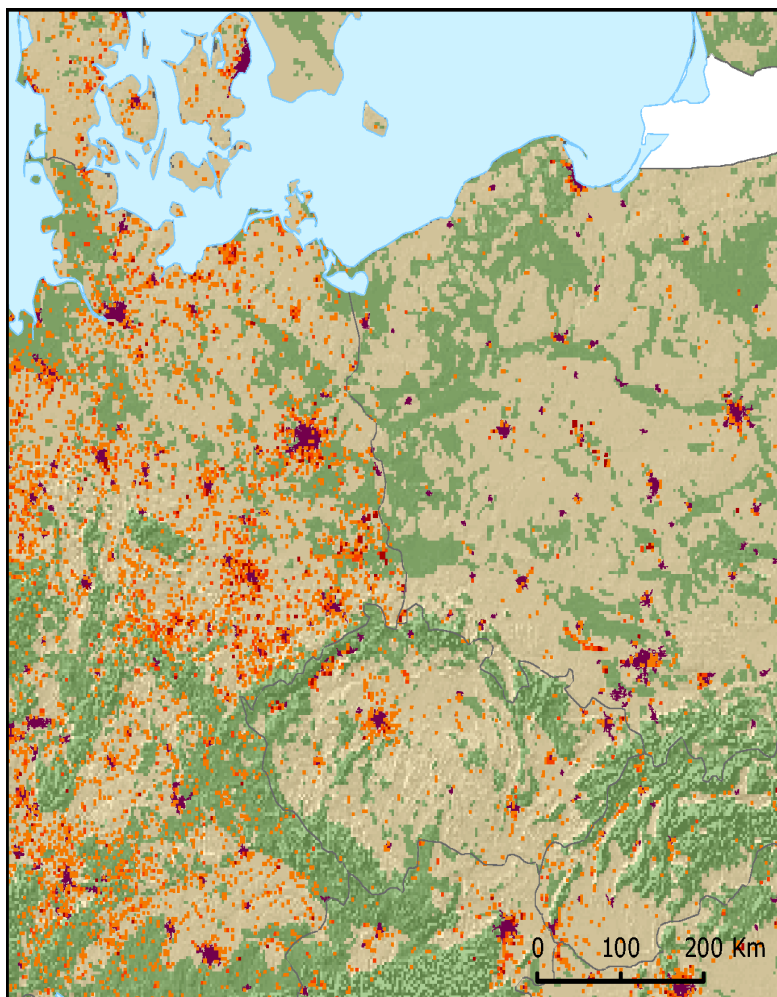
# LAND TAKE IN PERI-URBAN AREAS



Stuttgart 1850 - 1995



# RAPID URBAN SPRAWL ALSO IN CENTRAL EUROPE



## Time lags and uneven development

Urban and infrastructure development

- 1 to 5 %
- 5 to 10 %
- More than 10 %

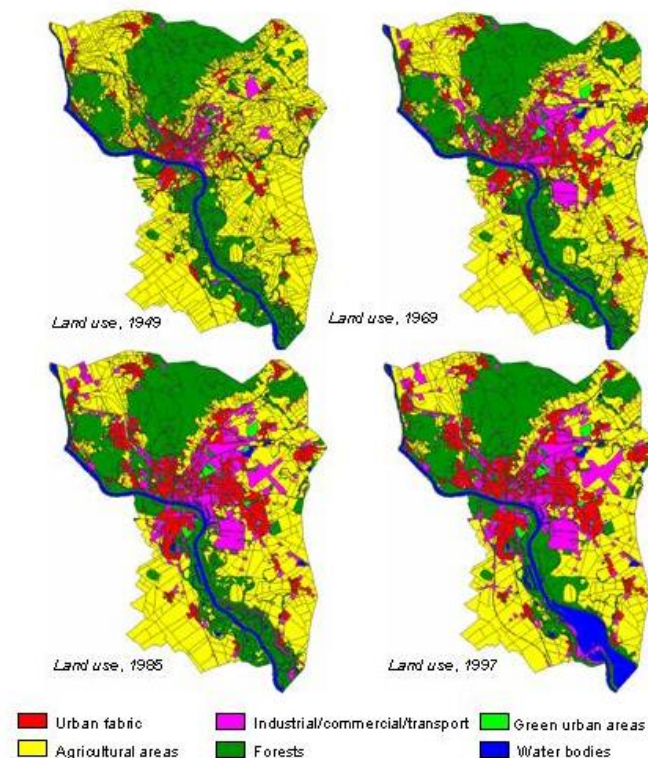
Urban zones 1990

- More than 50 000 people

Green background index

- 0 to 60 %
- 61 to 100 %
- No data

Source: EEA



Urban Sprawl in Bratislava  
1949-1997

Source: moland.jrc.it





# CHALLENGES // THREATS

- Soil sealing in growing regions
- Lack of compensation land
- high amount of brownfields



# PREVENTION /COMPENSATION MINIMIZATION

## Prevention

- Brownfields versus Greenfield development
- Protecting valuable soils

## Compensation

- Compensation on agricultural Land
- Desealing of Brownfields

## Minimization

- Soil management
- Density
- Selection of permeable materials



## Examples of brownfield renewal



## Conflicts caused by the loss of agricultural land





## Green corridor on former brownfield in the state of Saxony





## Urban forest in Leipzig



## Soil excavation and storage





## Selection of permeable materials





## Bat habitat in a former bunker (military area) in the Green Belt of Leipzig (Brandis)



## A photograph of a traditional Japanese building, possibly a temple or a historical residence, featuring a dark, weathered thatched roof. The building's walls are made of light-colored plaster, showing signs of age and peeling. Several windows with dark frames are visible. The structure is partially obscured by lush green foliage in the foreground, including large, vibrant green leaves. Tall, slender pine trees rise behind the building against a bright blue sky with scattered white clouds. The overall scene conveys a sense of tranquility and historical atmosphere.

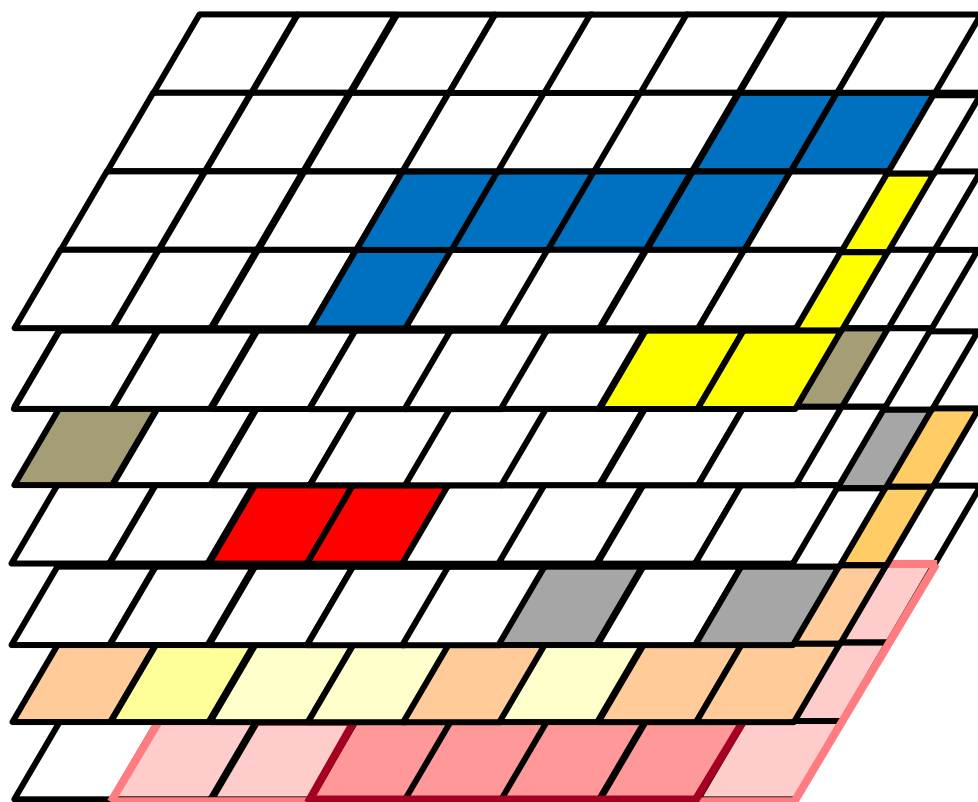
[illegible]

03.03.2017

Quelle: Grüner Ring Leipzig

**TAKING COOPERATION FORWARD**

The tool has several layers (e.g. to display Threats in the FUA)

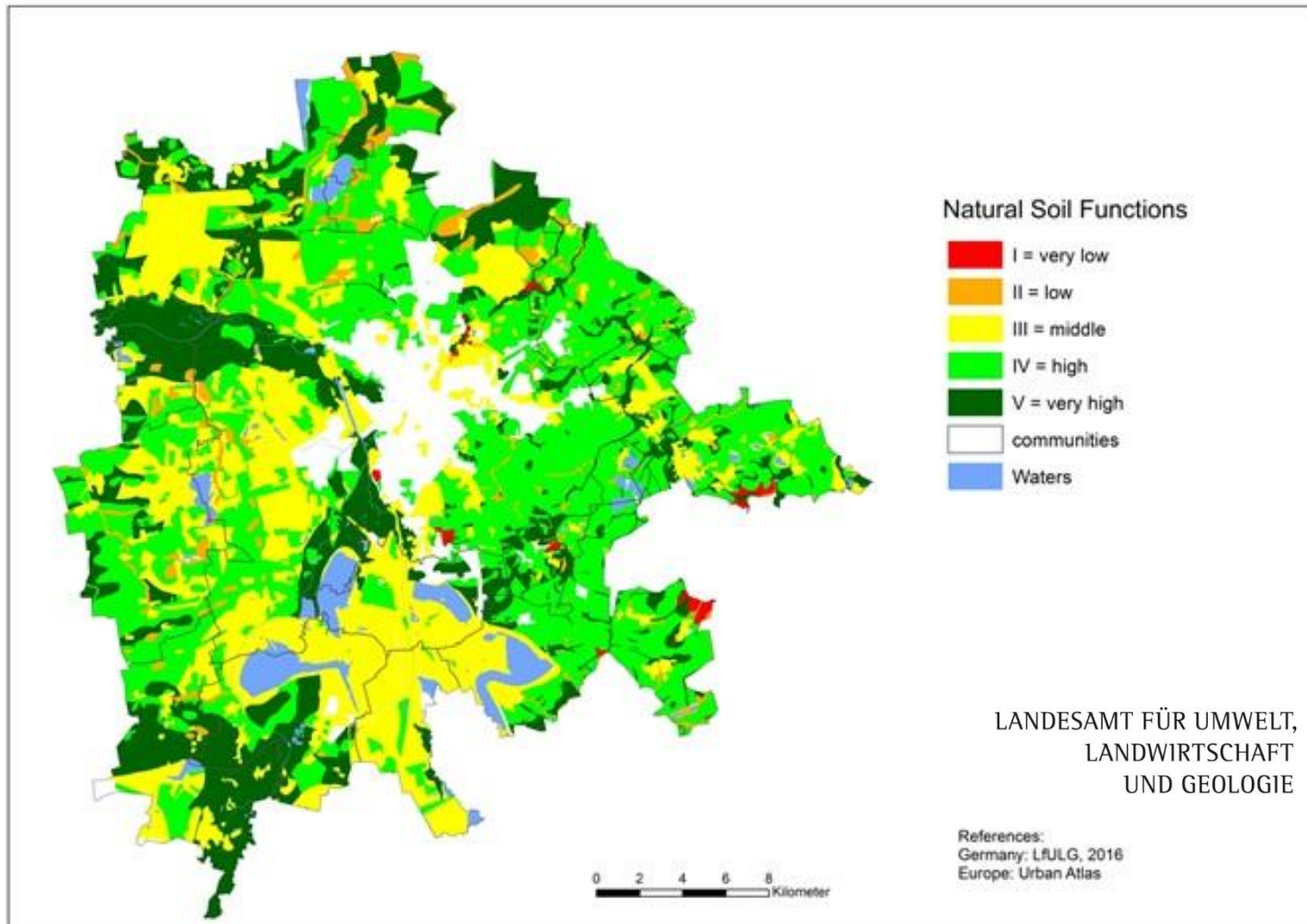


7. THREAT Flooding
6. THREAT Soil sealing
5. THREAT Risk of over fertilization
4. THREAT Risk of Overheating
3. THREAT Brownfields
2. Land usage and soil information
1. LUMAT Pilot area with Core & Commuting Zone



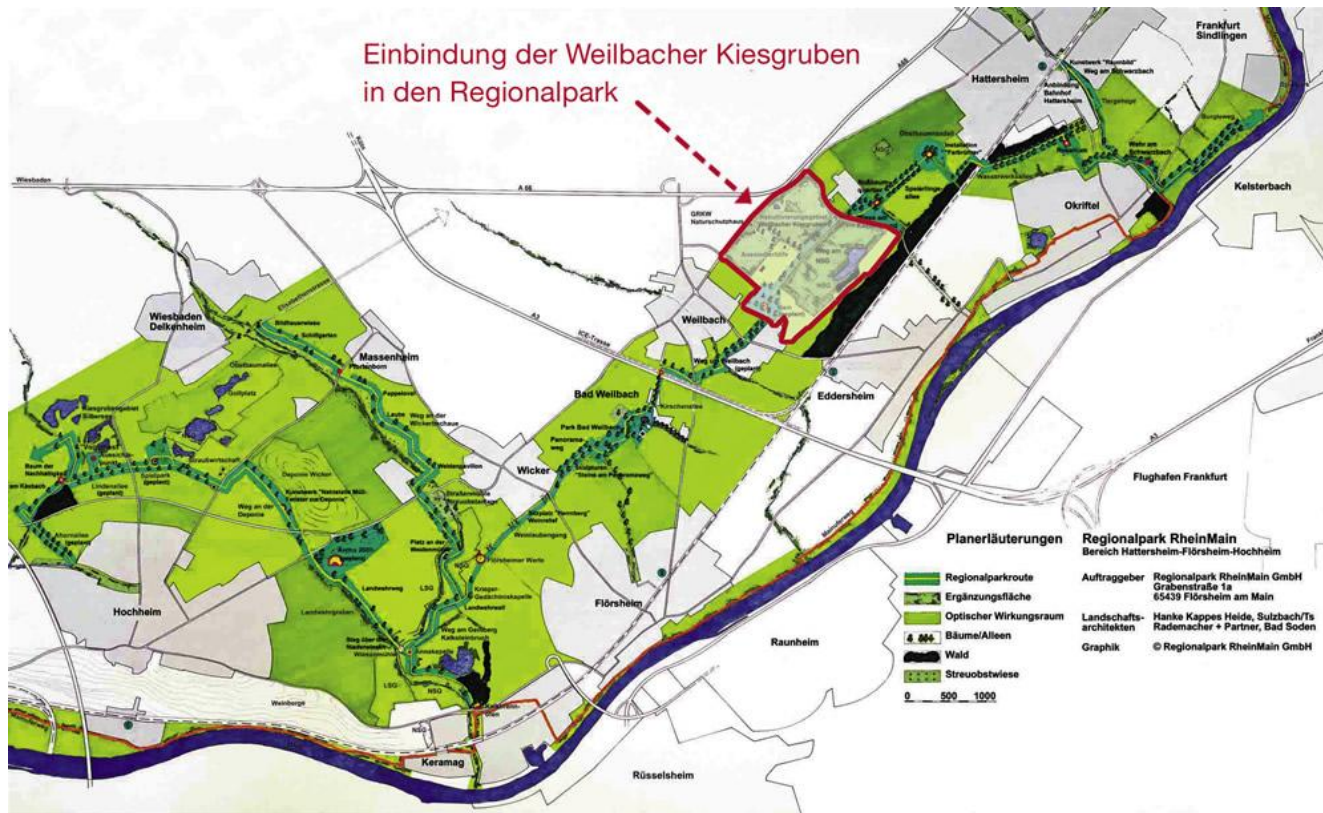


# LAND MANAGEMENT: „PROTECT NATURAL SOIL FUNCTIONS“



# MANAGEMENT STRATEGIES

## Frankfurt Rhine-Main Metropolitan Region



Thank you

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