

# CIRCUSE PROJECT CONFERENCE

Katowice, Poland  
11 May 2010

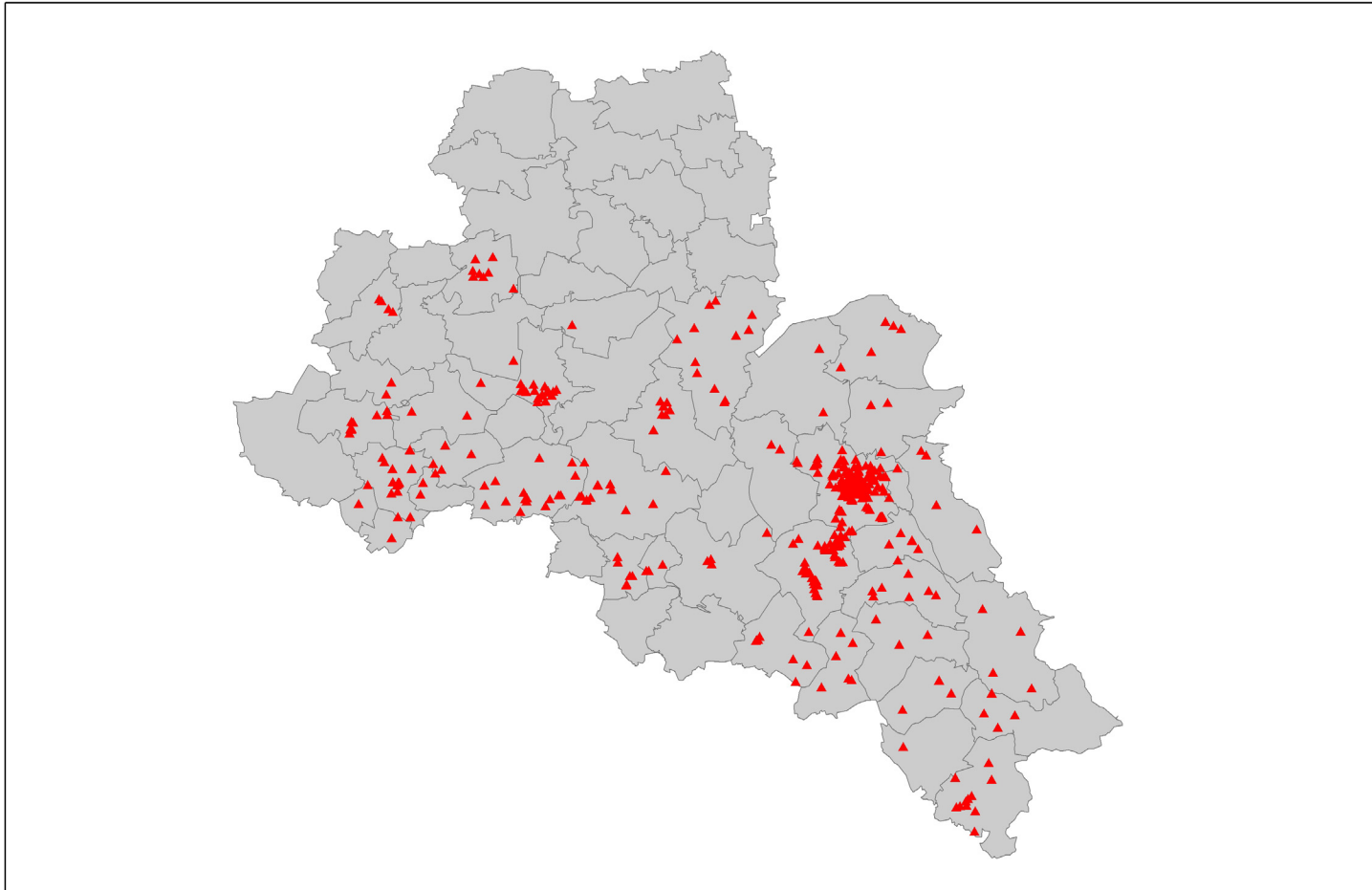
WP3: Transnational land management data and monitoring  
system



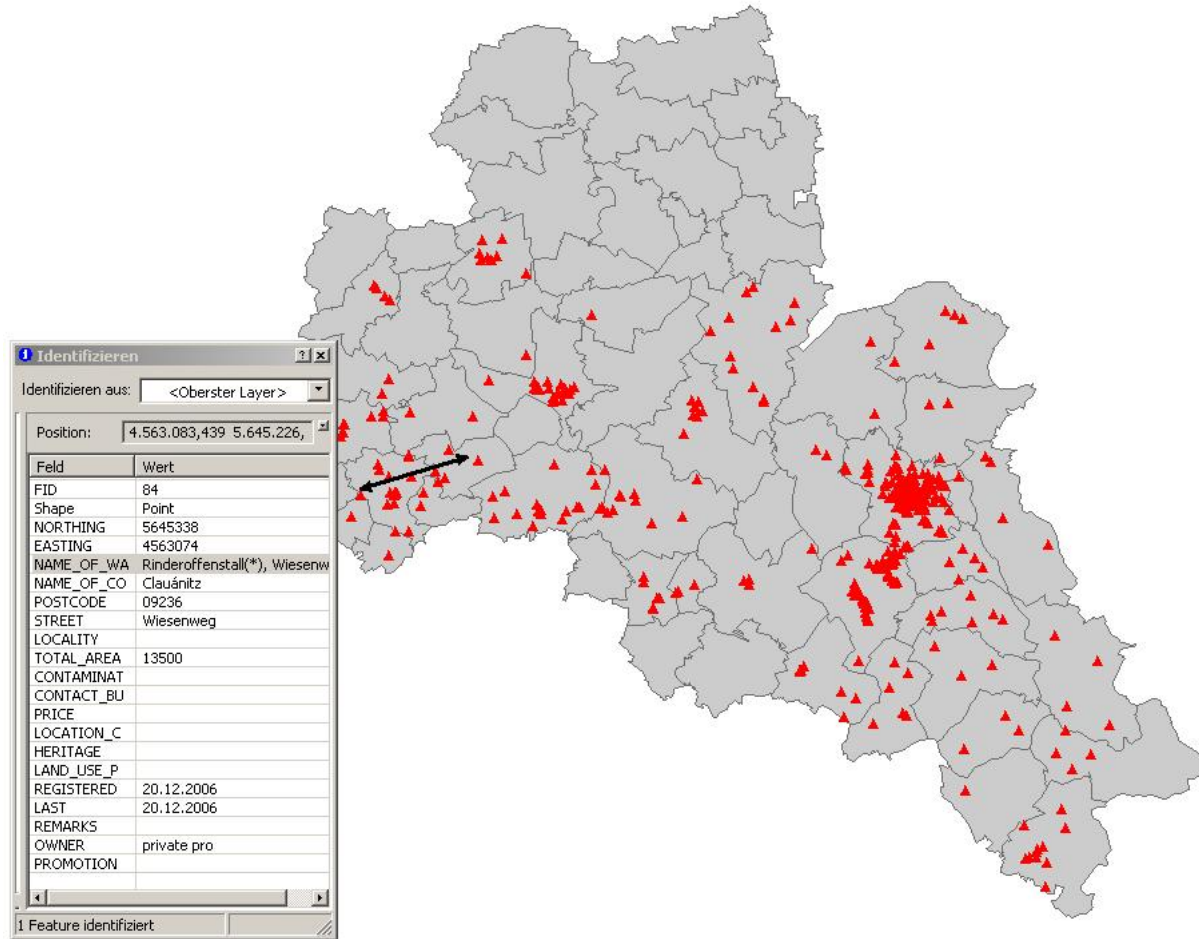


# Selection of ~ 400 Brownfields: inside and marginal urban areas

(actually much more Brownfields: > 1500)

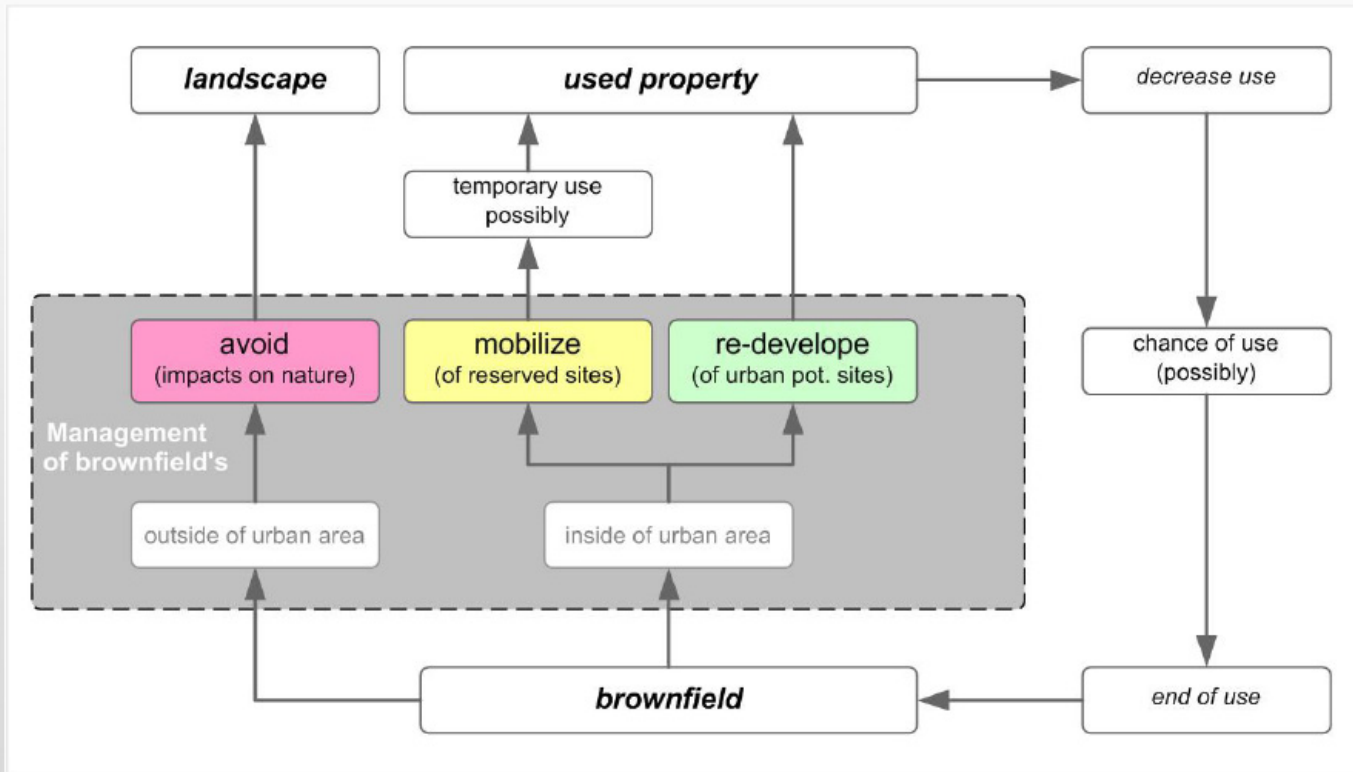


# Collecting, attribute editing, evaluation of different kinds of brownfields (Database with common datas)



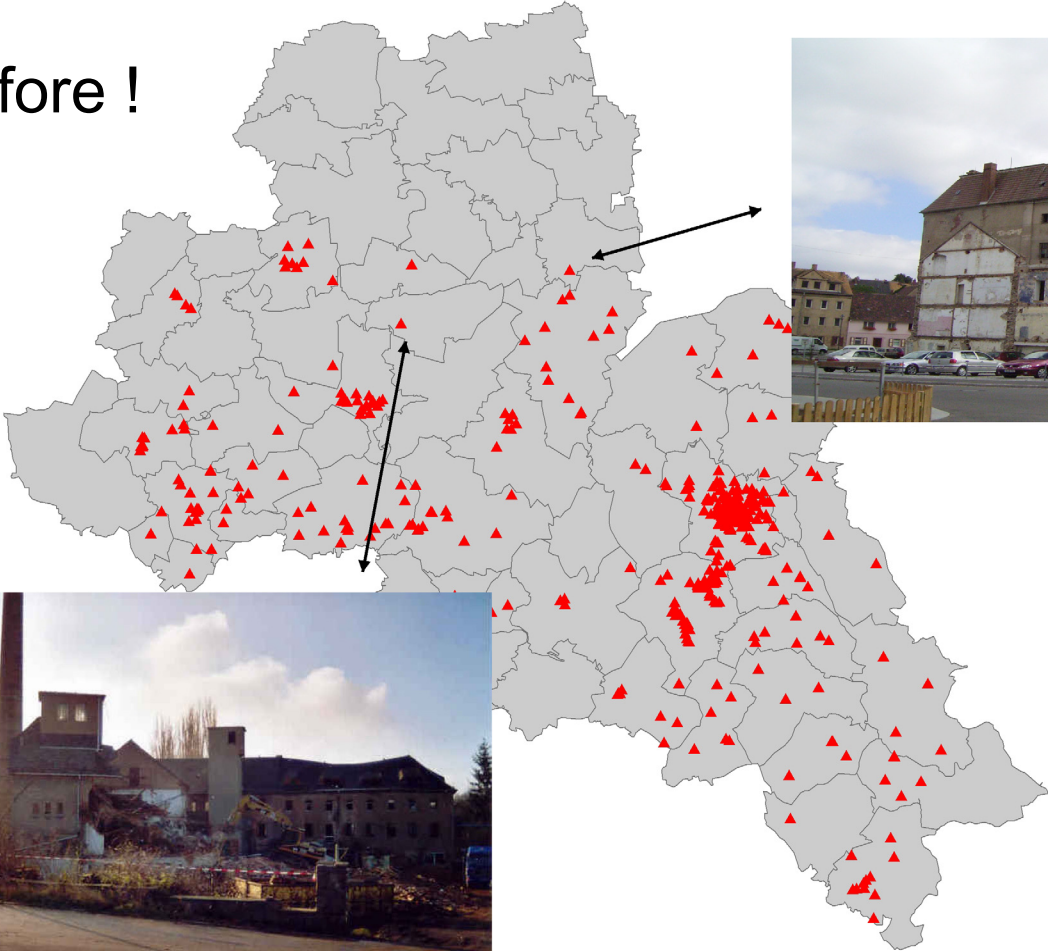
# Using tested and voted methods

## Managements of Brownfield's and land use circle



# Example revitalizing Brownfield: inside and marginal urban area

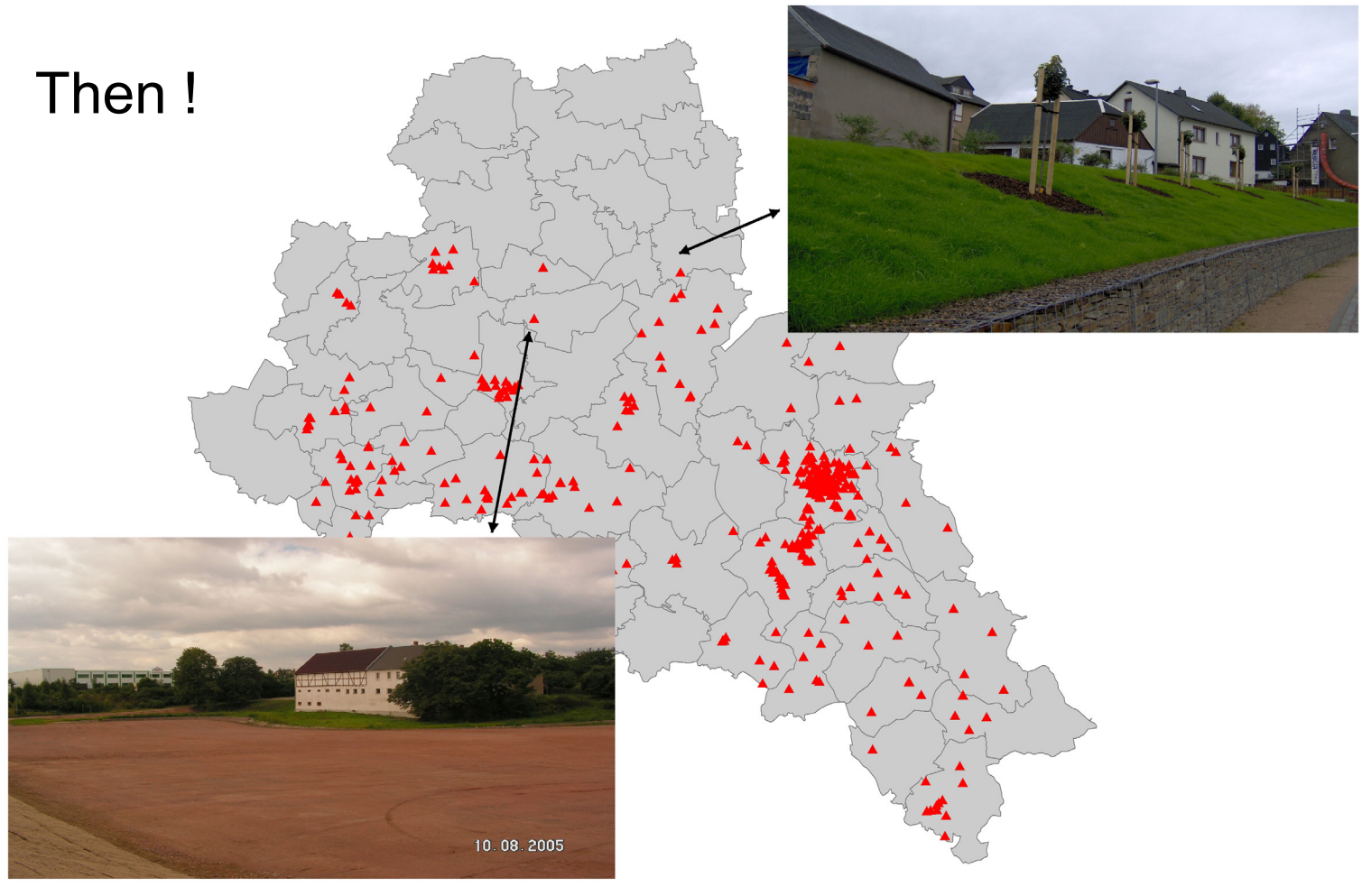
Before !





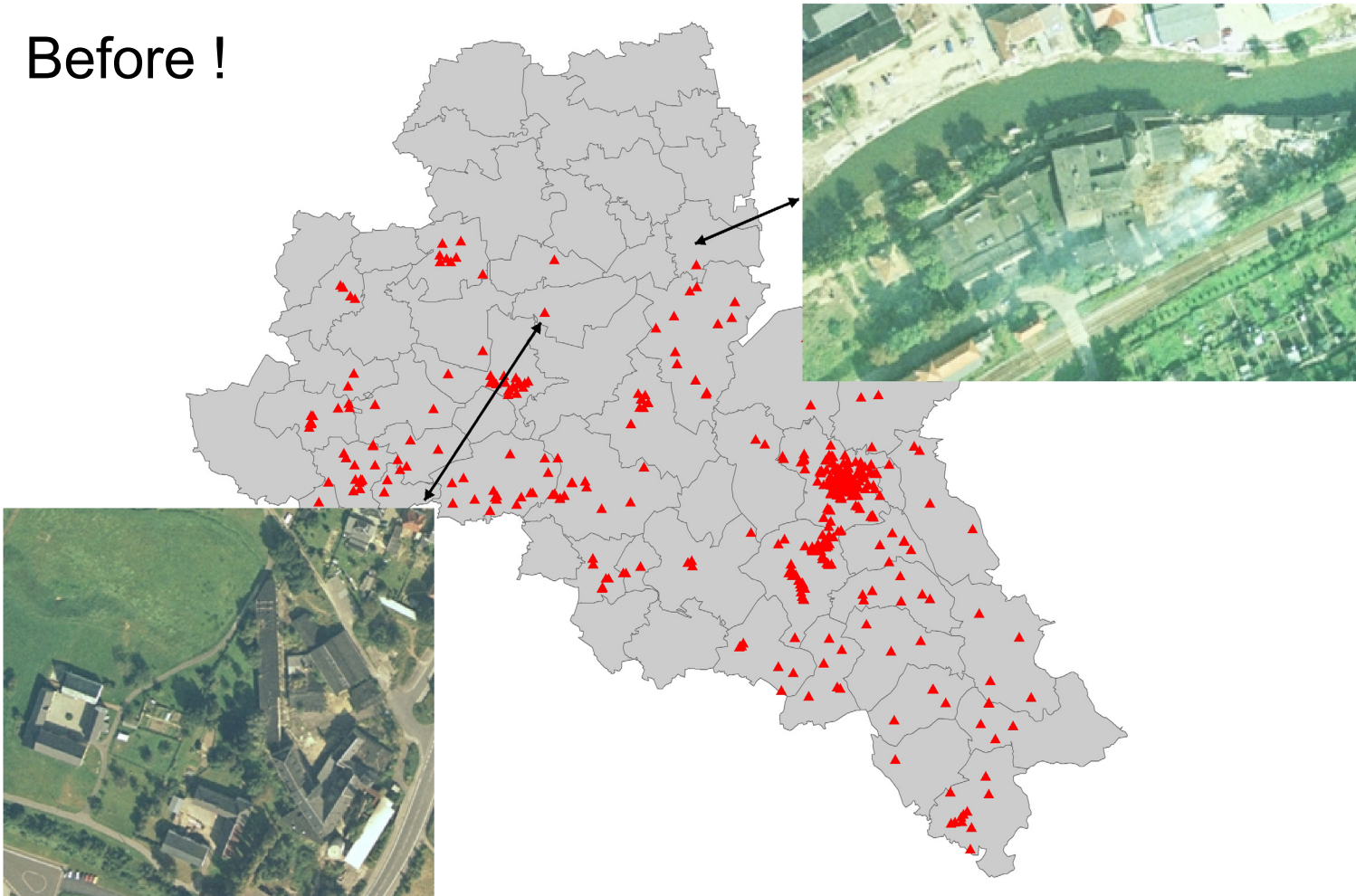
# Example revitalizing Brownfield: inside and marginal urban area

Then !



# Example „renaturation“ Brownfield: inside and marginal urban area

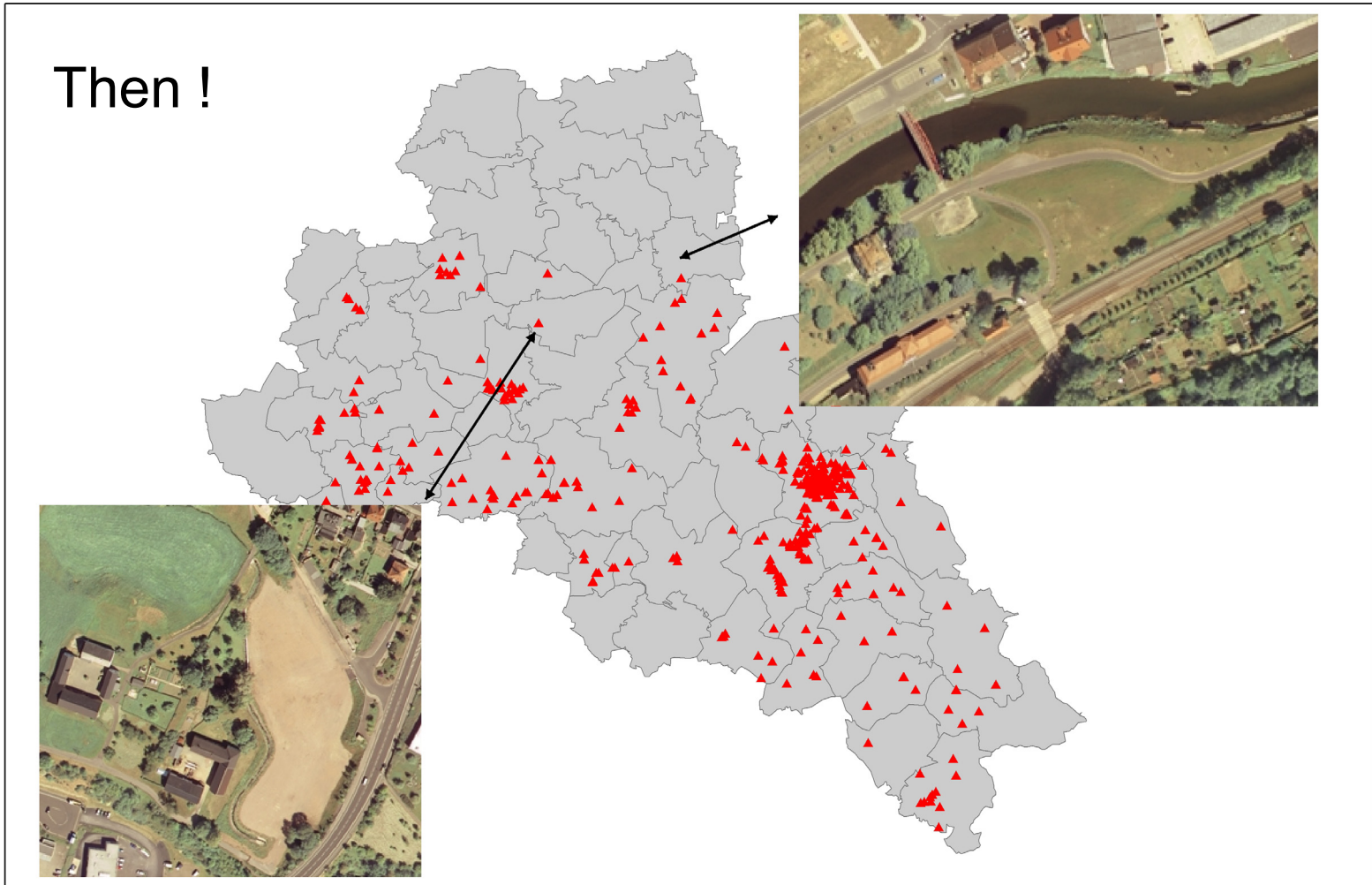
Before !





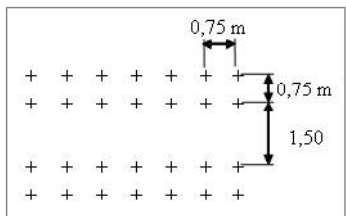
# Example „renaturation“ Brownfield: inside and marginal urban area

Then !



# Example Biomass on contaminated sites (agricultural area)

Anlagejahr: 2005  
 Größe: 2 ha (ca. 200 x 100 m)  
 Bestandesdichte: ca. 11.850 Stecklinge/ha  
 Sorten: Pappeln: Weser 6, Max 3, Hybride 275  
 Weiden: Jorr, Sven, Tora, Tordis, Gudrun



**Standort:**  
 mittlere Niederschlagssumme: 820 mm  
 Jahresdurchschnittstemperatur: 7,2 °C  
 Höhe über NN: 320 m  
 Ackerwertzahl: 45  
 Bodenart / Entstehung: sandiger Lehm / L8 6  
 Bodenbelastung: 97 mg As/kg  
 3 mg Cd/kg  
 352 mg Pb/kg



Harvest after 3 Years



Evaluation



# Development of a Transnational Database Concept

## with common parameters

Basic Data	Data field	Data field
	Designation	Heritage
	Type	Contaminated Sites (Number)
	Community	Remark
	Municipal area	Total m <sup>2</sup>
	Street	Net built m <sup>2</sup>
	Postcode / City	Easting
	Locality	Northing
	Parcel	ID number
	Location Category	Registered on
	Location	Last
	Property Category	Internet release issued
	tested by the owner	Contact
	Suspected contaminated	Contact Type
		The Internet Show



# Development of a Transnational Database Concept with common parameters

<b>Construction Law</b>	Construction Law available
	Admissibility standard
	Plan-Category
<b>Development / Evaluation</b>	Distance
	Distance - Name
	Distance - Connection / Observation
	Distance - km
	Distance - Sequence
	Development
	Development - yes / no
	Development - Notice
	Development - Sequence



# Development of a Transnational Database Concept with common parameters

Using	Use type
	Usage
	Site Category
	Use restriction
	Informal planning
	Availability
	Cost Estimate
	Demolition
	Demolition Text
	Contaminated sites
	Contaminated sites - Text
	Internal infrastructure
	Internal infrastructure - Text





# Development of a Transnational Database Concept with common parameters

## Questions:

- more parameters: social, economic aspects
- Database: Open Office? (MS–ACCESS ?)
- GIS: Free GIS-Viewer? (Christine–GIS ?)
- Remote sensing data? Satellite, digit. Photo?  
Google Maps?

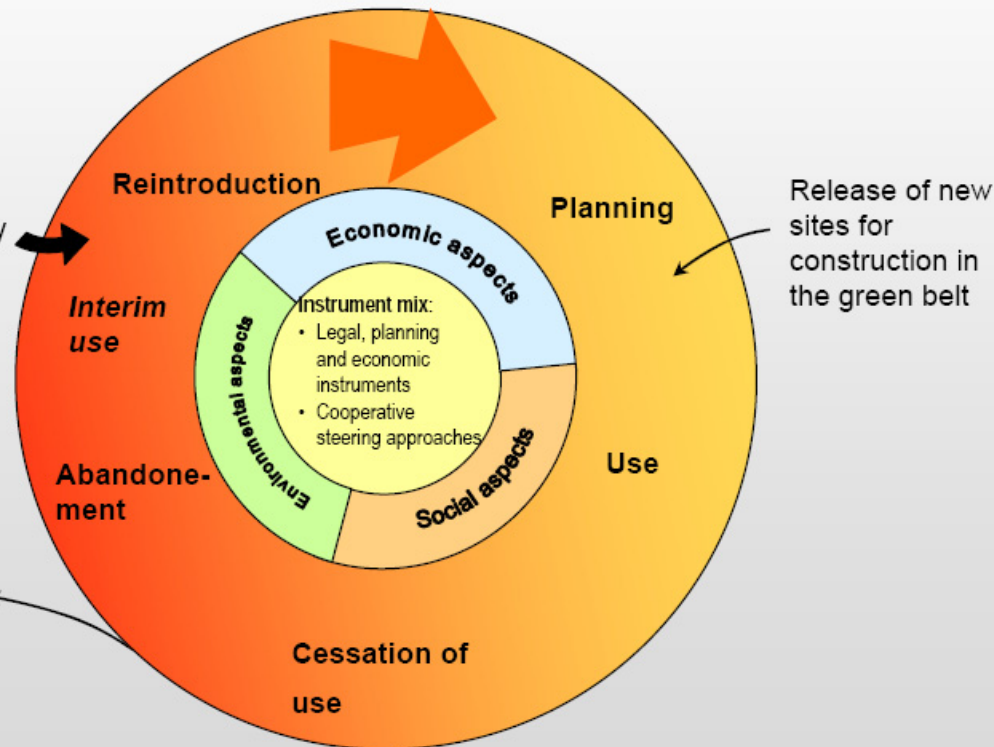


# Strategic approach: Circular Land Use Management

Mobilisation of site potentials:

- brownfields (trade, industrial or military)
- spaces between buildings in town and city centres
- urban redevelopment sites
- sites undergoing planning

Rejection of sites which are unsuitable for new uses on a long-term basis



Source: Research group "Fläche im Kreis", 2005)

