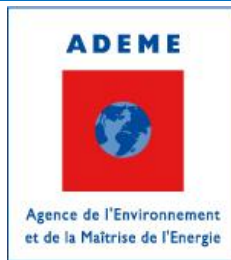


Journées techniques
28 et 29 mai 2013

Gestion des sites et sols
pollués



Les substances volatiles : caractérisation, modélisation des transferts, surveillance

Retour d'expérience des projets CITYCHLOR, FLUXOBAT et ATTENA

CityChlor Work and results at a glance



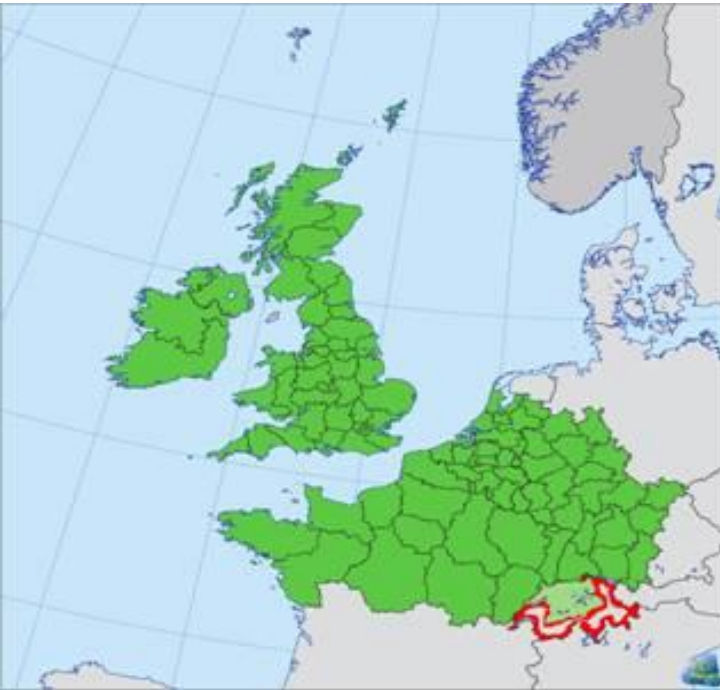
Tackling urban soil and groundwater contamination caused by chlorinated solvents

CityChlor has 9 partners





INTERREG IVB North West Europe



The aim of this financial instrument of the European Union's Cohesion Policy is to

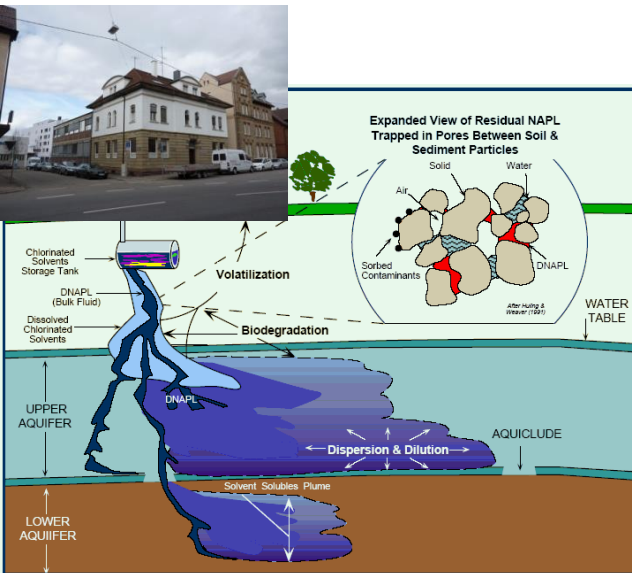
- stimulate transnational cooperation
- find innovative ways and tackle shared problems in the NWE region.
- touch the lives of citizens and thus contribute to a more cohesive EU society

The total research budget of CityChlor was 5.2 M. euro of which 50% is financed by Interreg IVB

www.nweurope.eu



Project's objectives: improve the quality and minimize the pollution of soil and groundwater



Problem?

chlorinated solvents in soil and groundwater: hard to remediate and risk for health and environment

often caused by companies with little capital

urban environment poses additional limiting conditions for research and remediation

common problem in all European cities

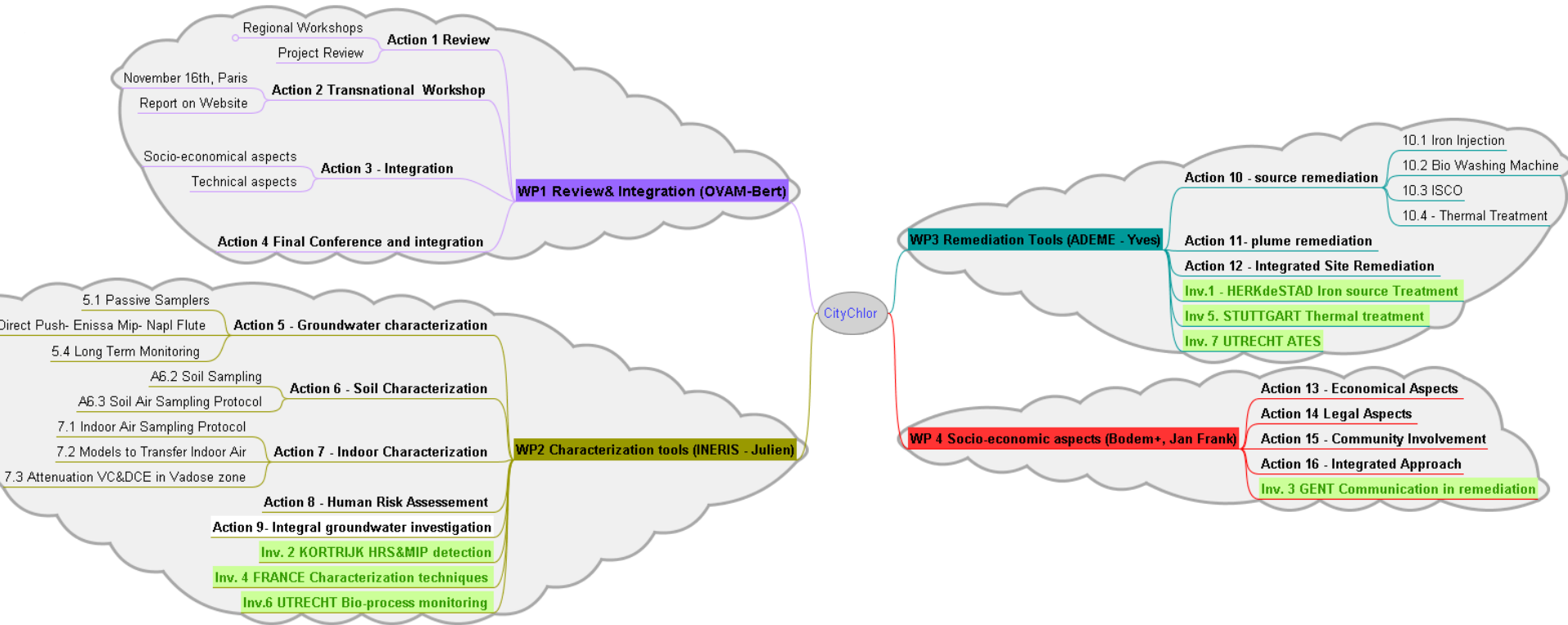
integrated approach

technical

communication, socio-economic and organizational



Project steps to an Integrated Approach





Review and integration



Workshops and demonstrations



CityChlor
Integrated approach
for urban
redevelopment



Building after all and
good-value construction
created by citizens' schools.



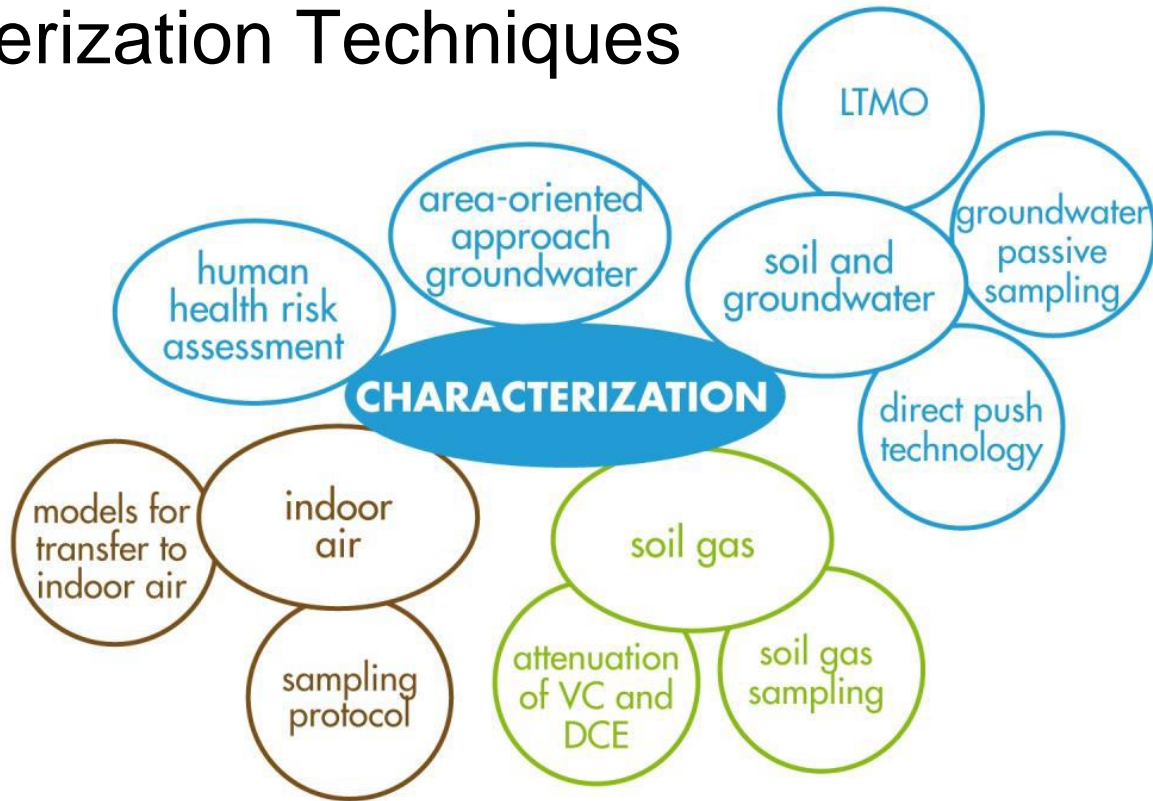
>450 LinkedIn
members



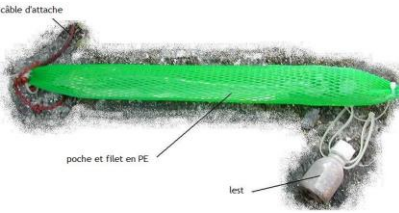
> 3000 experts on
CityChlor workshops



Characterization Techniques



Pilot test Kortrijk:
Enissa Mip + FLUTE



Pilot test France:
DPT, Passive samplers, groundwater sampling soil sampling, soil air and indoor air sampling



Pilot test Utrecht:
Bio Process Monitoring



www.citychlor.eu

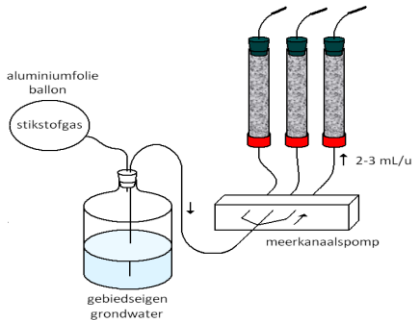
CityChlor
Groundwater, soil, soil gas and indoor air characterization
Technical book



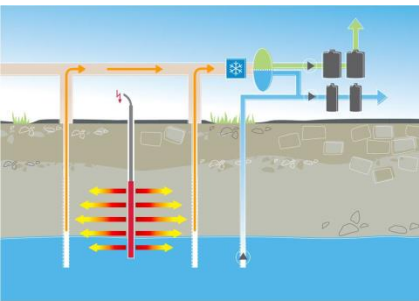
Remediation Techniques



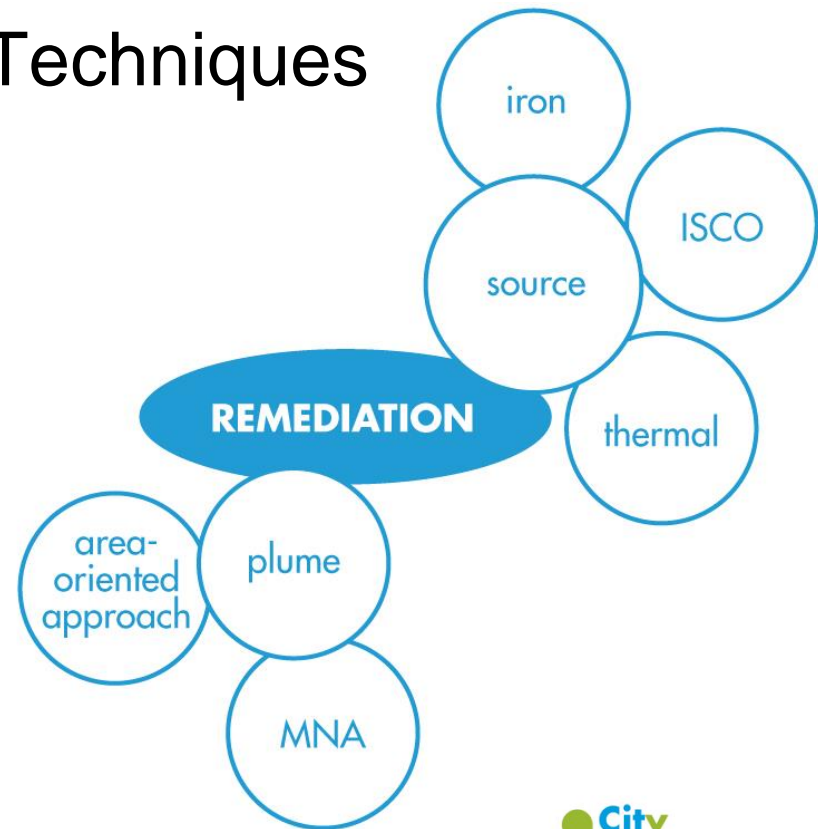
Pilot test
HerkdeStad:
 Nano & micro
 Iron injection



Pilot test
Stuttgart:
 In situ thermal
 remediation



Pilot test
Utrecht:
 ATES



www.citychlor.eu



Workshop Urban Planners



Pilot test Ghent: Risk Perception



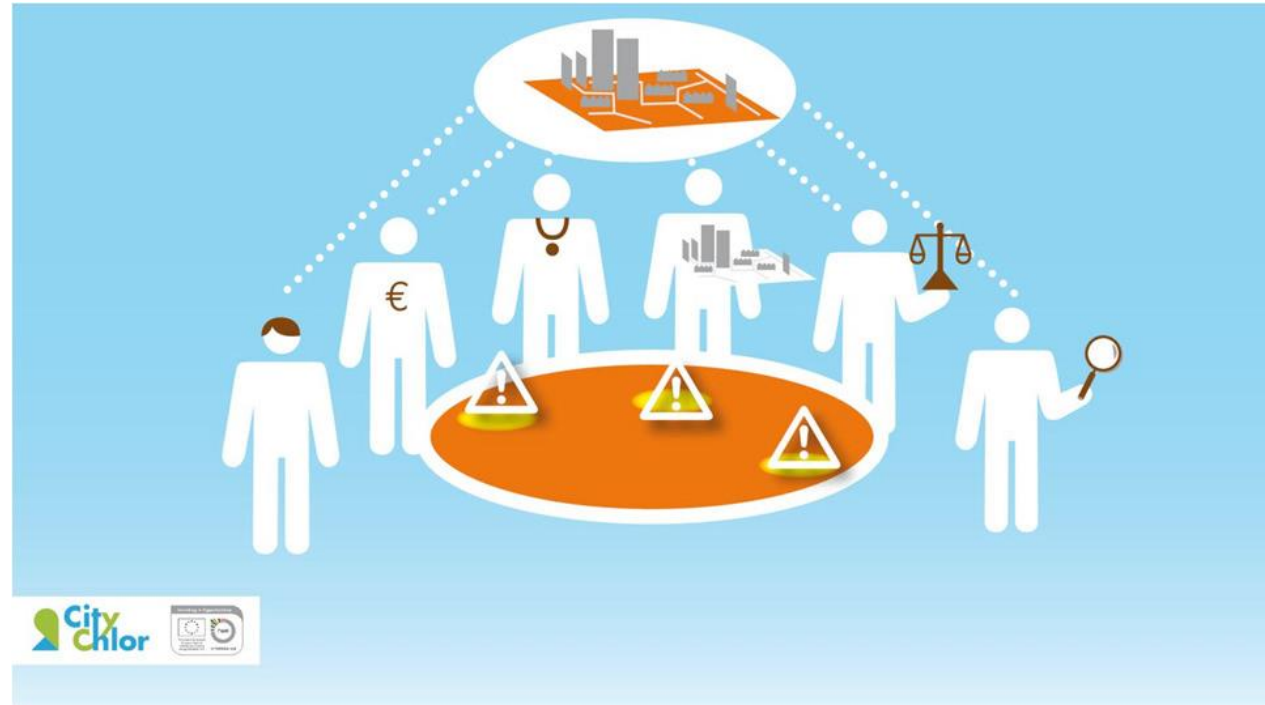
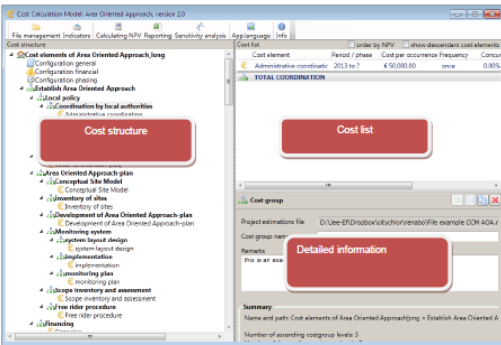
Communication Checklist

Rely on partners
 If convinced your partner is the right one and you can rely on him, make a list of all the possibilities per target group. Use your own brain.
 Chapter 6: Use draw up an easy inventory of the practical data that might exist in a workable collection.

Example:
 Target group: neighbourhood residents
 Partner in communication: municipality (Communication office of the municipality)

Communication product	Date of publication/news call (in relation to your message)	Frequency	Deadline for input	Specifications of your contribution	Contact details of publisher
Residents meeting	27 March	-	23 March	15 minutes presentation + 15 min discussion + 20 min questions + 10 min discussion + 10 min discussion	
Official city magazine	18 March	1 month	23 February	1 page of 1000 characters	
Social media twitter account of the local government (city account)	18 March	-	12 March	1 tweet of 140 characters	
Neighbourhood					
Price's management (schools, libraries)					
District newsletter					
Journal of the city's letters					
Public hearing: questionnaire meeting of urban planner	18 March	-	8 March	10-15 min questionnaire	

Costs Model



Integrated approach



Economic aspects

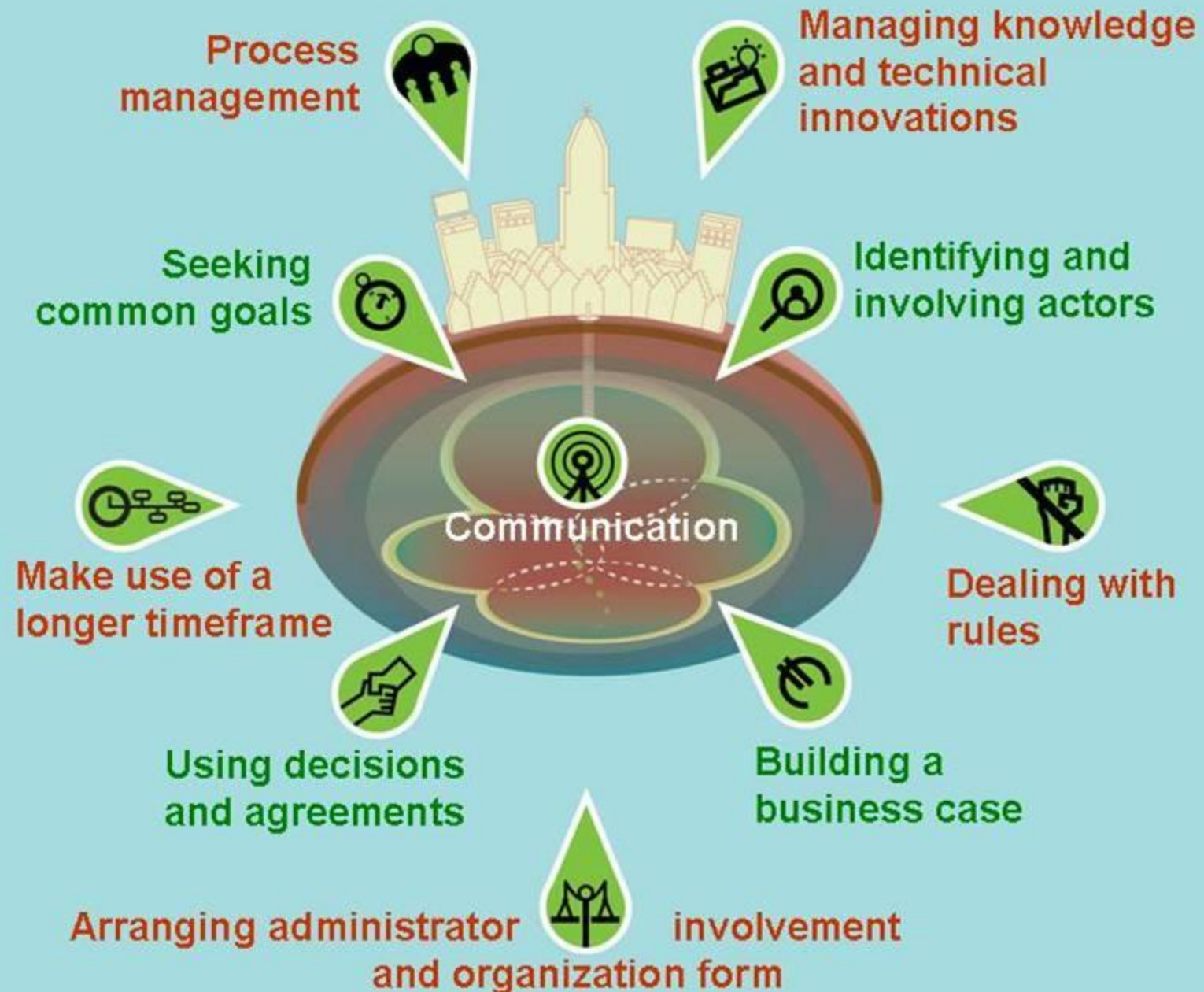
Risk perception
& management

Integration of remediation
and urban redevelopment

Legal aspects

Innovative
Characterization techniques

Innovative
Remediation techniques





www.citychlor.eu



STUTTGART

