



The TURAS Project

European Business and
Innovation Centre Network
(EBN)

www.turas-cities.eu

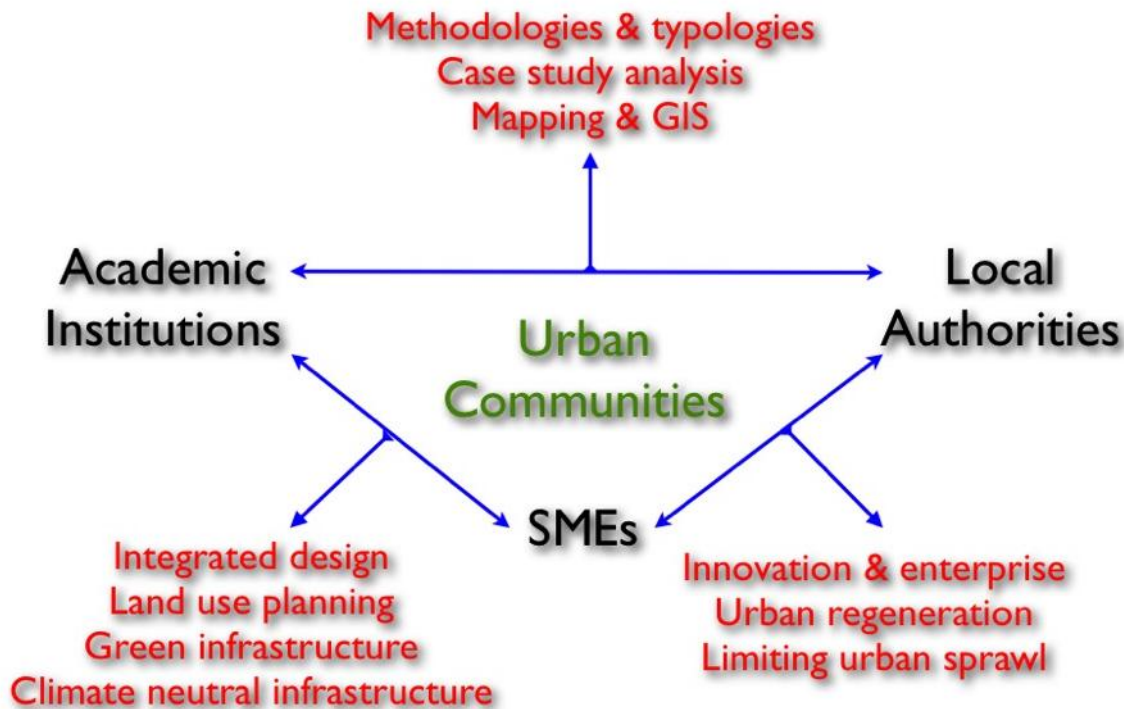
Overview

- Transitioning towards Urban Resilience and Sustainability (TURAS)
- TURAS = Gaelic word for “journey” or “voyage”
- European Commission 7th Framework Project – 30 Partners
 - Total budget: €8,910,468.00
 - European Commission contribution = €6,814,023.00
- Duration: 01/10/2011 – 30/09/2016

Overview

- Main objectives:
 - To bring together urban communities, researchers, local authorities and small and medium-sized enterprises (SMEs) in order to:
 - research, demonstrate and disseminate **transition strategies** to enable European cities to build vitally-needed resilience
 - build guidance tools to help cities address challenges:
 - climate change adaptation and mitigation
 - natural resource shortage, and
 - unsustainable urban growth

Concept



- Unique twinning approach
- Test the feasibility of new approaches to building urban resilience
- Enable adaptive governance
- Bring urban communities together to create innovative transition strategies for Europe

TURAS

Project Partners

1. University College Dublin, IE
2. University of East London, UK
3. Vereniging Voor Christelijk Hoger Onderwijs Wetenschappelijk Onderzoek en Patientenzorg, NL
4. Institut Za Arhitekturu I Urbanizam Srbije, RS
5. Aalborg Universitet, DK
6. Universitaet Stuttgart, DE
7. Varna Free University, BG
8. Univerza V Ljubljani, SI
9. Universita Degli Studi di Roma la Sapienza, IT
10. Fung Chia University – GIS, China (Taiwan)
11. Institut Bruxellois Pour la Gestion de l' Environnement, BE
12. Dublin City Council, IE
13. London Borough of Barking and Dagenham, UK
14. Barking Riverside Ltd., UK
15. Comune di Roma, IT
16. Igloo Regeneration Ltd., UK
17. Seville Global S.A., ES
18. Gemeente Rotterdam, NL
19. Verband Region Stuttgart, DE
20. Regionalne Razvojna Agencija - Ljubljanske Urbane Regije Zavod, SI
21. Municipality of Sofia, BG
22. Dermot Foley Landscape Architects Ltd., IE
23. Bioazul, ES
24. Thames Gateway Institute for Sustainability, UK
25. Bic Lazio Spa., IT
26. European Business and Innovation Centre Network, BE
27. Climate Alliance - Klima-Buendnis - Alianza Del Clima E.V., DE
28. Pracsis Sprl., BE
29. Helix Pflanzen GmbH., DE
30. SkyEyes, China (Taiwan)

11 City Case Studies

Aalborg
Brussels
Dublin
Ljubljana
London
Nottingham
Rome
Rotterdam
Seville
Sofia
Stuttgart

TURAS

Work Packages

1. Geospatial ICT Support Structure

2. Green Public and Private Infrastructure

3. Urban / Industrial Regeneration, Collaboration and Design

4. Climate Change City Planning

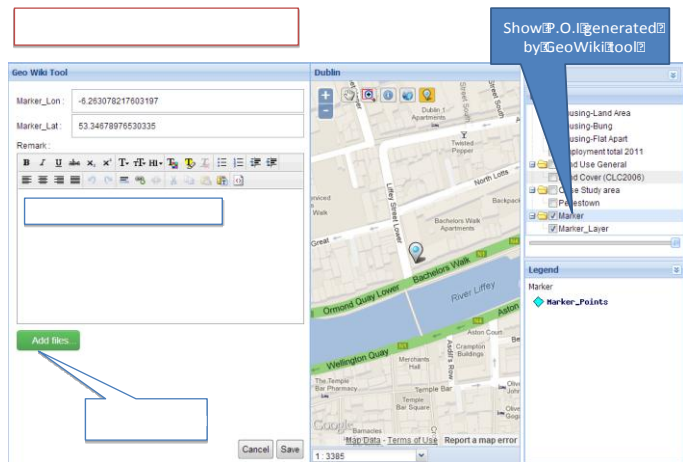
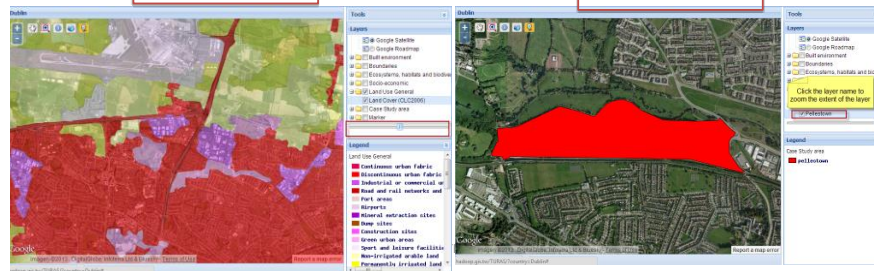
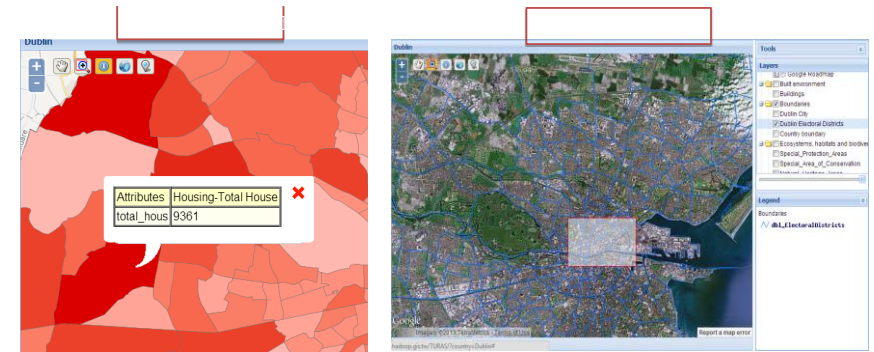
5. Limiting Urban Sprawl

6. Short-circuit Economies

7. Integrated Transition Strategies

8. Communication

WP1 - Geospatial ICT Support Structure



- Phase 1: WebGIS and GeoWiki as a platform for building resilience

WP2 - Green Infrastructure



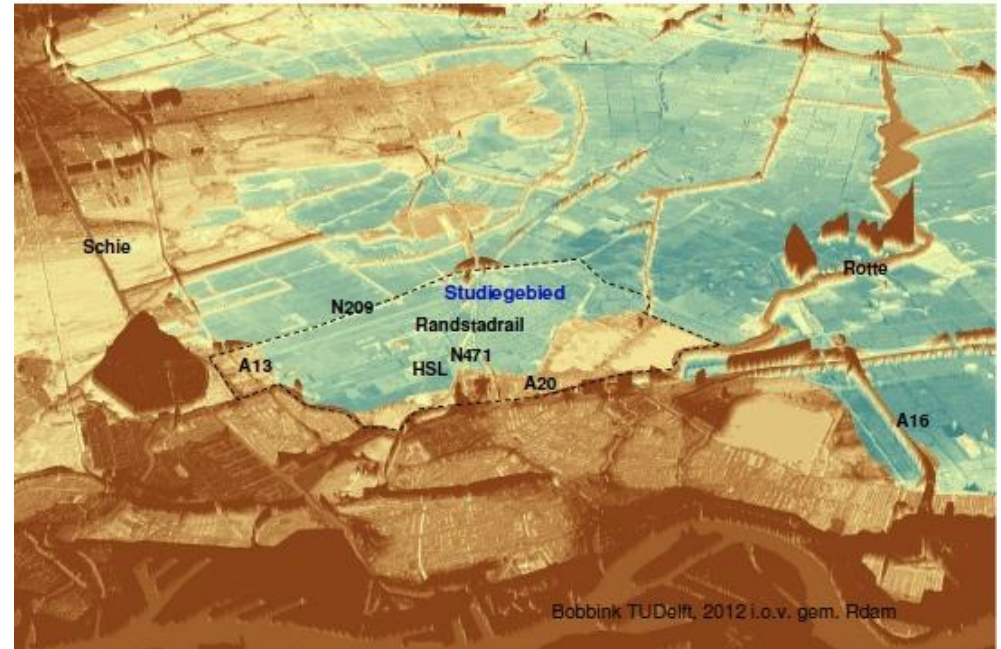
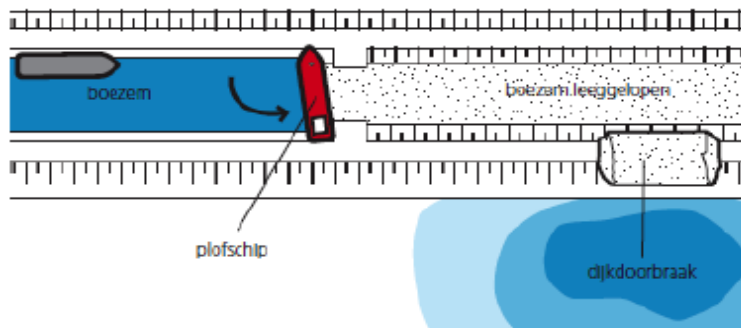
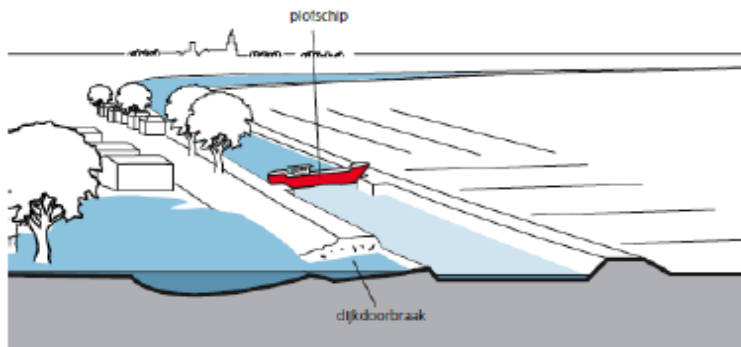
- Green wall and green roof experiments
- Partnership with: London Olympic Site

WP3 - Urban Industrial Regeneration



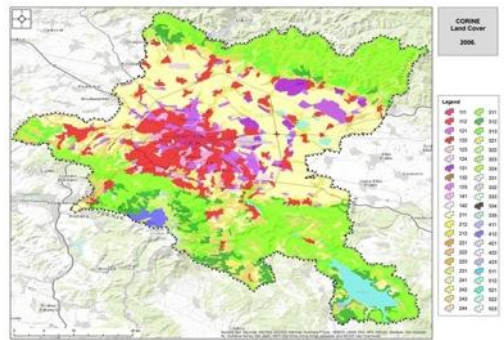
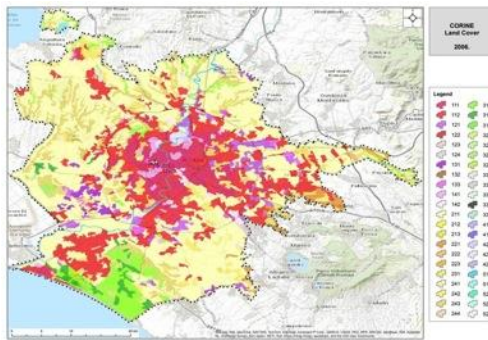
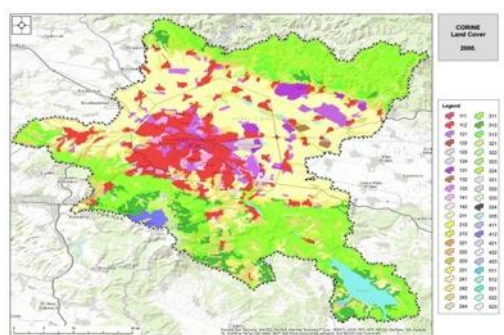
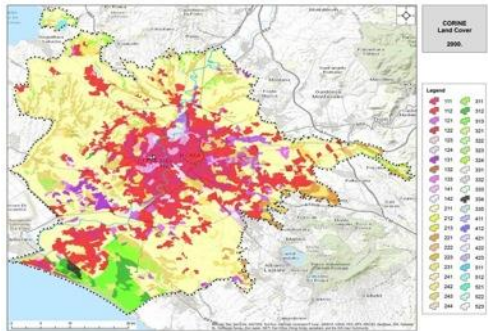
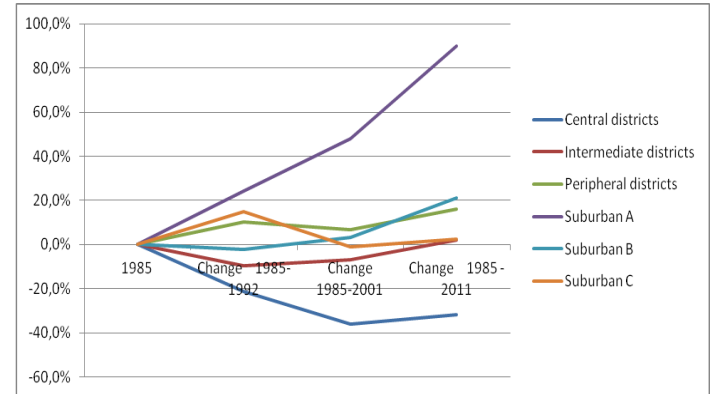
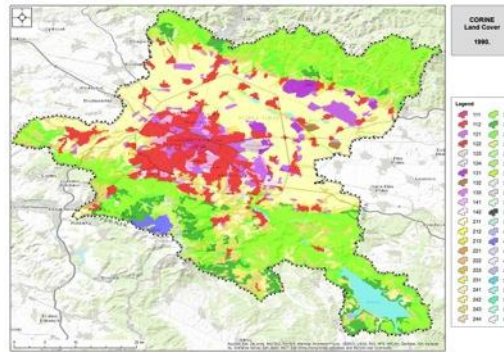
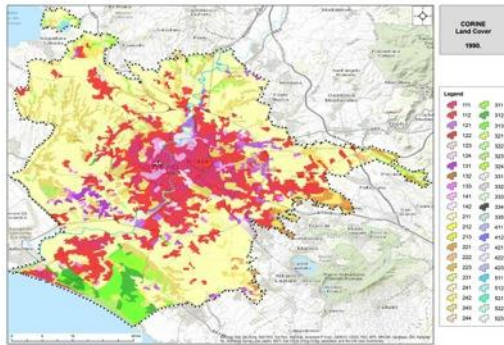
- Collaboration with communities to re-use abandoned sites and buildings

WP4 - Climate Change Resilient Planning



- Climate change resilience:
 - Flood control in the Netherlands
 - Ecosystem technology in Ljubljana

WP5 - Limiting Urban Sprawl



- Modeling urban sprawl to provide planning guidelines for European cities such as Rome (left) and Sofia (right)

WP6 – Short-Circuit Economies

The screenshot shows a software interface for 'The District' project. At the top, a progress bar displays the status of various components: 'The character of the region' (green), 'Promotion of Cleantech' (green), 'Sustainable design' (red), 'Power and provision of climate control' (red), 'Waste Management' (red), 'Transport' (red), 'Water management' (red), 'Web support' (red), 'Funding' (red), 'Planning controls for new developments' (red), and 'The Action Plan' (red). Below the progress bar, a questionnaire is displayed for the 'Cleantech' section. The questionnaire consists of three questions with multiple-choice options and a 'BuyerTrade Show' button.

1. Are you seeking to encourage businesses in the district to be more aware of cleantech solutions? ☒ Yes

Indicate the scope of activity

<input type="checkbox"/> Web-based advice	<input type="checkbox"/> Training / Workshops	<input type="checkbox"/> Discounts	<input type="checkbox"/> Cleantech exhibitions
<input type="checkbox"/> Online fact sheets	<input type="checkbox"/> Consultancies / clinics	<input type="checkbox"/> Grants/funding	<input type="checkbox"/> Supply Chain Advice
<input type="checkbox"/> e-News letters	<input type="checkbox"/> Conferences	<input type="checkbox"/> Environmental audits	<input type="checkbox"/> Competitions / awards
<input type="checkbox"/> Online case studies	<input type="checkbox"/> Mentoring	<input type="checkbox"/> Provide monitoring equipment	<input type="checkbox"/> Green certification
<input type="checkbox"/> Online toolkit provision	<input type="checkbox"/> Environmental helpline	<input type="checkbox"/> Establish PPP's	<input type="checkbox"/> Buyer Trade Shows
<input type="checkbox"/> Online cleantech showcase	<input type="checkbox"/> Drop-in information centres	<input type="checkbox"/> Green Business network	

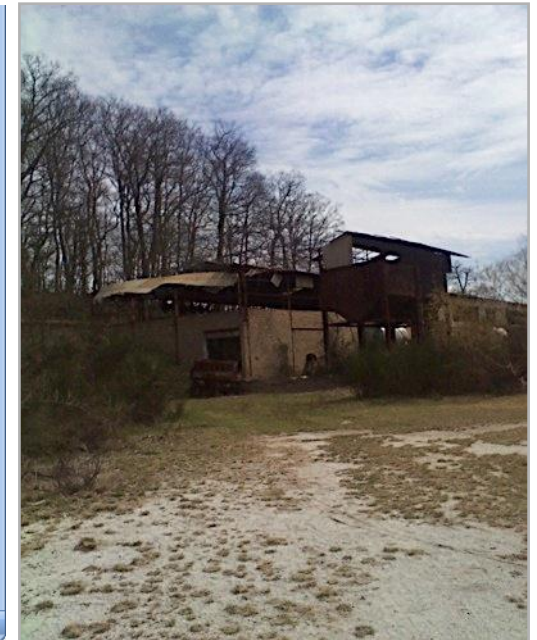
2. Have you developed links with any of the following, either within your own district or in another one? ☒ No

Move on to question 3

<input type="checkbox"/> Universities	<input type="checkbox"/> Events organisers	<input type="checkbox"/> Cleantech organisations	<input type="checkbox"/> Other local authorities
<input type="checkbox"/> Energy consultants	<input type="checkbox"/> Business Advisors	<input type="checkbox"/> Sustainability Champions	<input type="checkbox"/> Conference facilities
<input type="checkbox"/> Business Schools	<input type="checkbox"/> Trade Associations	<input type="checkbox"/> Green networks	

3. Do you make an effort to find out about new cleantech solutions that have been developed? ☐ No ☒ Yes

The interface also includes a 'BuyerTrade Show' button and a 'Planning' section at the bottom.



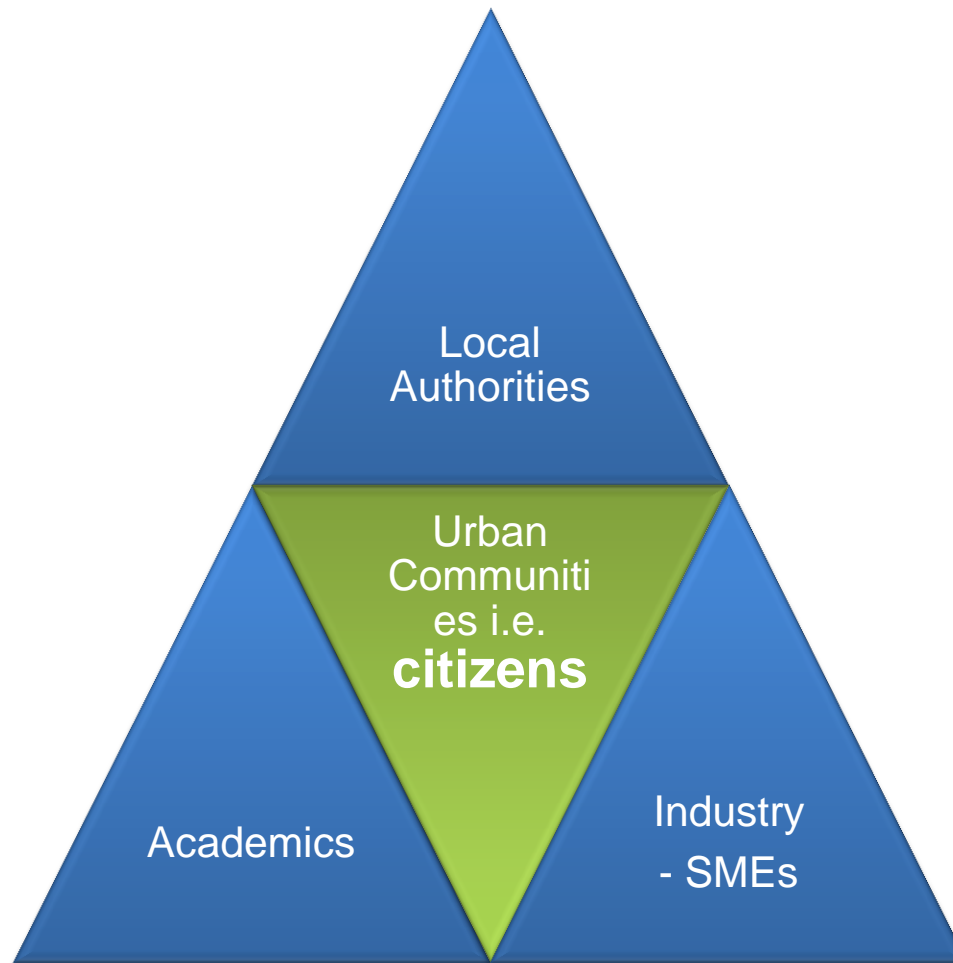
- Decision support for green businesses
- Product service systems (PSS) and clean technology (Cleantech)

WP7 - Integrated Transition Strategies



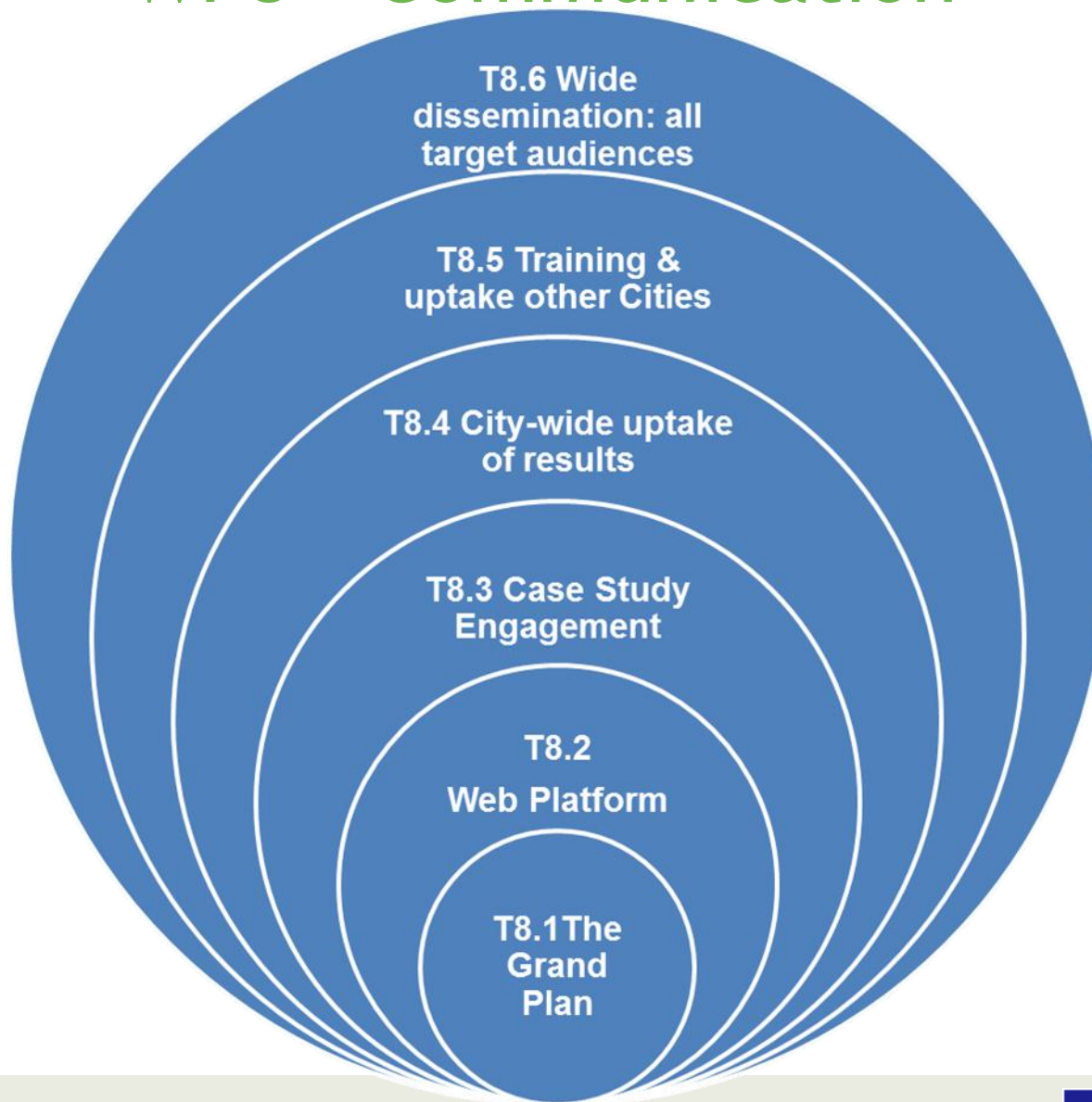
- Developing an integrated transition strategy

WP8 - Communication

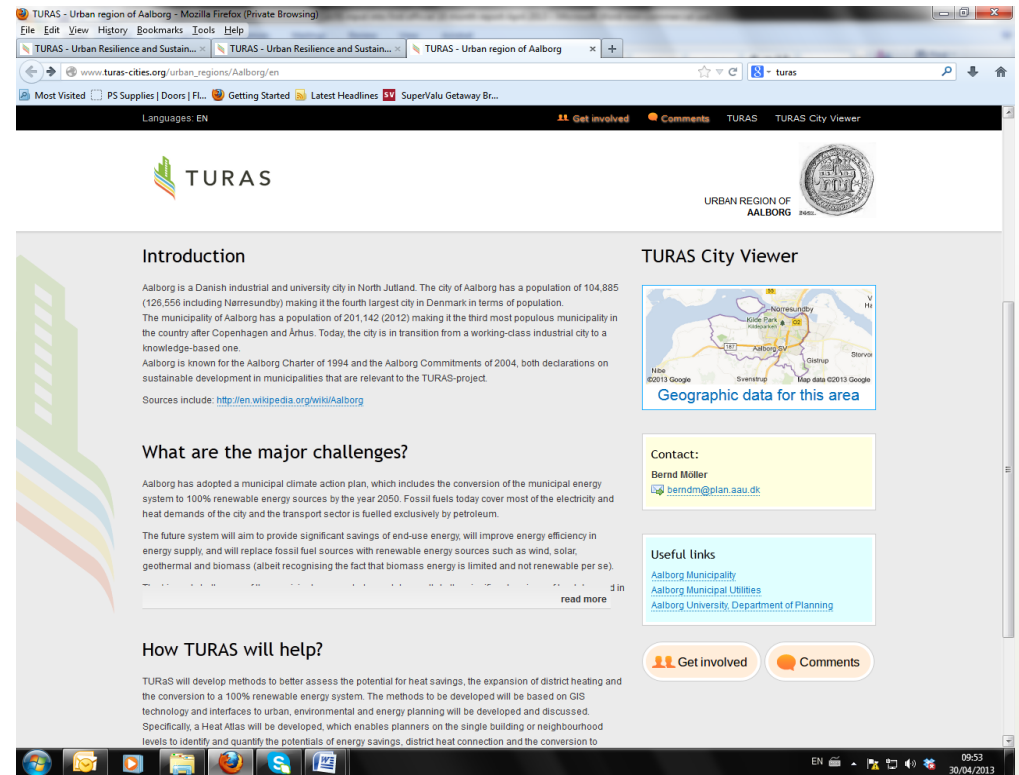
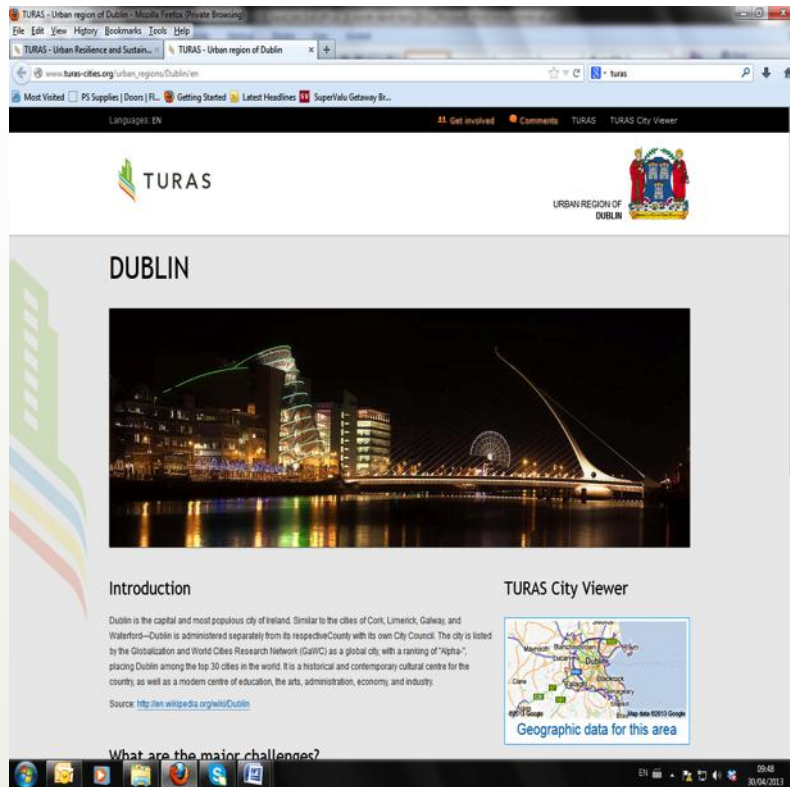


NOT JUST DISSEMINATION – ENGAGEMENT & EXPLOITATION

WP8 - Communication



WP8 - Communication



- Disseminating information to and engaging communities of interest
- Links to city websites and GeoWiki on www.turas-cities.eu

Questions? Email info@turas-cities.org

Join us on this exciting journey at
www.turas-cities.eu

Thanks for your attention!