

Biocultural diversity, green infrastructure & ecosystem services

*Approach of the
GREEN SURGE project*



SEVENTH FRAMEWORK
PROGRAMME



GREEN SURGE

GREEN INFRASTRUCTURE AND URBAN BIODIVERSITY FOR SUSTAINABLE URBAN DEVELOPMENT AND THE GREEN ECONOMY

Type of funding scheme:
Collaborative Project

Part B

No.	Participant legal name (and short name)	Country	Organisation type
1	Københavns Universitet (UCPH) <i>Coordinator</i>	Denmark	Research Organisation
2	Helsingin Yliopisto (UH)	Finland	Research Organisation
3	Humboldt Universität zu Berlin (UBER)	Germany	Research Organisation
4	Technische Universität München (TUM)	Germany	Research Organisation
5	Wageningen Universiteit (WU)	Netherlands	Research Organisation
6	Stockholms Universitet (SRC)	Sweden	Research Organisation
7	Forestry Commission Research Agency (FCRA)	United Kingdom	Public body
8	ICLEI European Secretariat GmbH (ICLEI)	Germany	SME
9	Metropolitan Research Institute Ltd.(MRI)	Hungary	SME
10	Università delgi studi di Bari 'Aldo Moro' (UNIBA)	Italy	Research Organisation
11	Triple ME Holding bv. (TE)	Netherlands	SME
12	Uniwersytet Łódzki (ULOD)	Poland	Research Organisation
13	Sveriges Landsbruksuniversitet (SLU)	Sweden	Research Organisation
14	Fundação da Faculdade de Ciências da Universidade de Lisboa (FFCUL)	Portugal	Not-for-profit Research Organisation
15	Univerza v Ljublani (UL)	Slovenia	Research Organisation
16	Technische Universität Berlin (TUB)	Germany	Research Organisation
17	Institut za Trajnostni Razvoj (zavod ITR)	Slovenia	SME
18	Lavaco (LAVACO)	Slovenia	SME
19	TISA d.o.o. (TISA)	Slovenia	SME
20	PROFIN Services s.r.l. (PROF)	Italy	SME
21	Combine artitekter AB (COMB)	Sweden	SME
22	Scandinavian Branding (SB)	Denmark	SME
23	Seebauer, Wefers und Partner GbR, Landschafts-architektur, Stadtplanung, Mediation (SWUP)	Germany	SME
24	Ecometrica Limited (ECO)	United Kingdom	SME

GREEN SURGE in a nutshell

- N.B. **project under negotiation** – possible start in Oct. 2013
- 24 partners (11 SMEs); Coordinator: University of Copenhagen
- Commission contribution approx. 5.701 million EUR
- 48 months
- Linking urban green spaces, bio(cultural) diversity, ecosystem services and the green economy
- Urban Learning Labs (5) and Learning Alliances
- Key products include:
 - Manual for urban green infrastructure planning
 - Policy briefs
 - Urban Learning Lab interfaces – including biocultural diversity and GI databases
 - Learning module

GREEN SURGE will identify, develop and test ways of linking green spaces, biodiversity, people and the green economy in order to meet the major urban challenges related to land use conflicts, climate change adaptation, demographic changes, and human health and wellbeing. It will provide a sound evidence base for UGI planning and implementation, exploring the potential for innovation in better linking environmental, social and economic ESS with local communities.

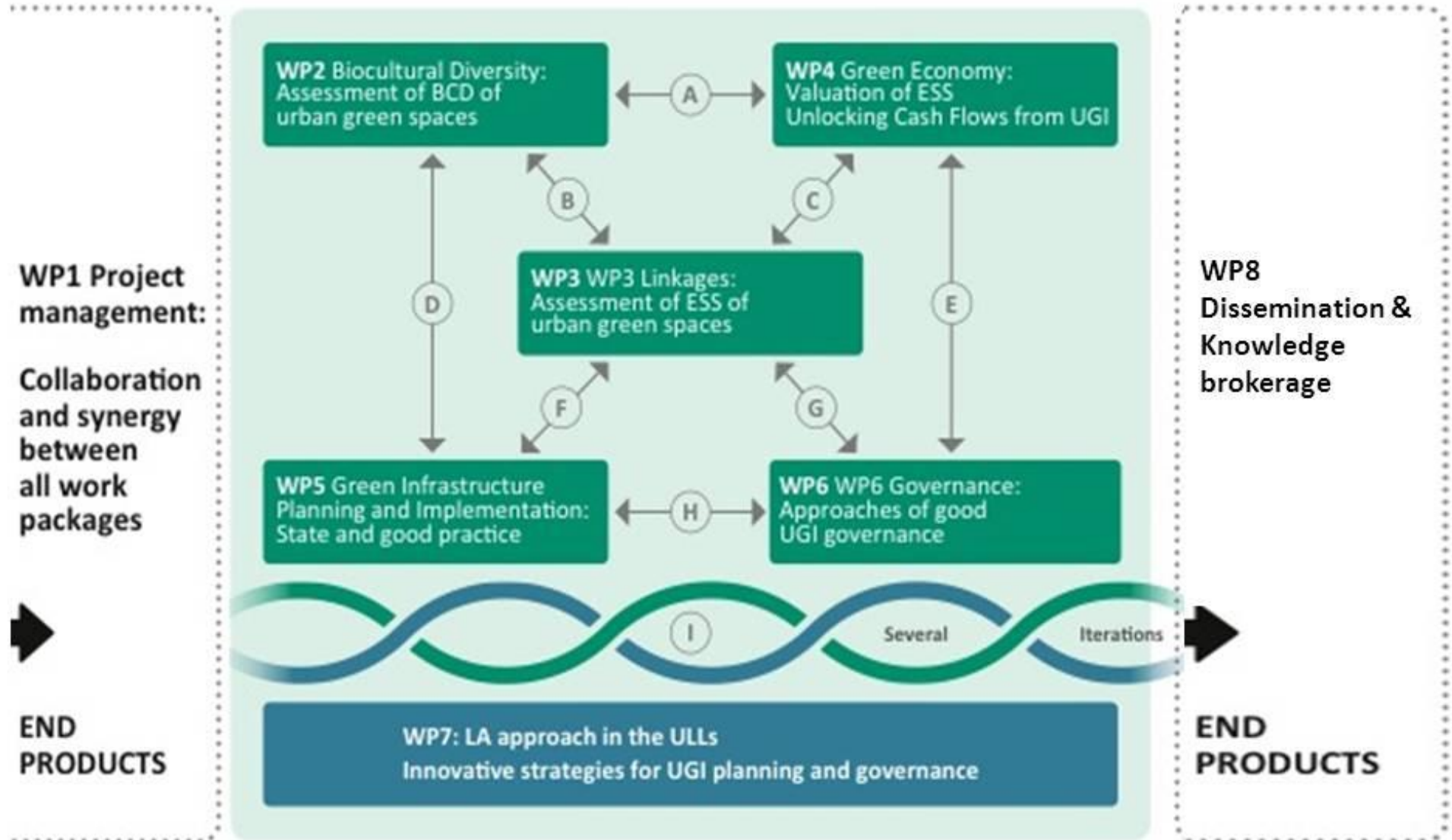
Working from the local to the city-regional level, the project aims to:

- 1 Develop urban green infrastructure as a planning concept for both integration and promotion of biodiversity and ecosystem services, and adapt it to local contexts.
- 2 Apply an innovative biocultural diversity perspective to develop successful governance arrangements facilitating socio-ecological integration and local engagement in planning of urban green spaces.
- 3 Explore how valuation and real market integration of biodiversity and ecosystem services can facilitate choices in favour of the development of multifunctional green spaces in urban areas.

Throughout the description of GREEN SURGE, a distinction is made between **urban green space** as the physical template of vegetated green and blue areas of various types in a city, from single green spaces ('green space components') at site level to the pattern of green spaces at urban (regional) levels, and **urban green infrastructure (UGI)** as a concept for planning and governance of urban green space.



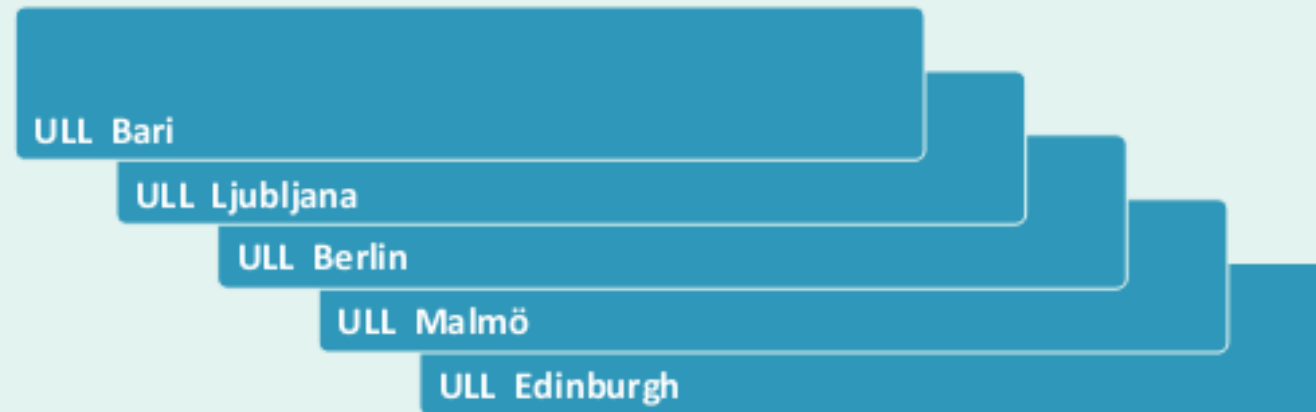
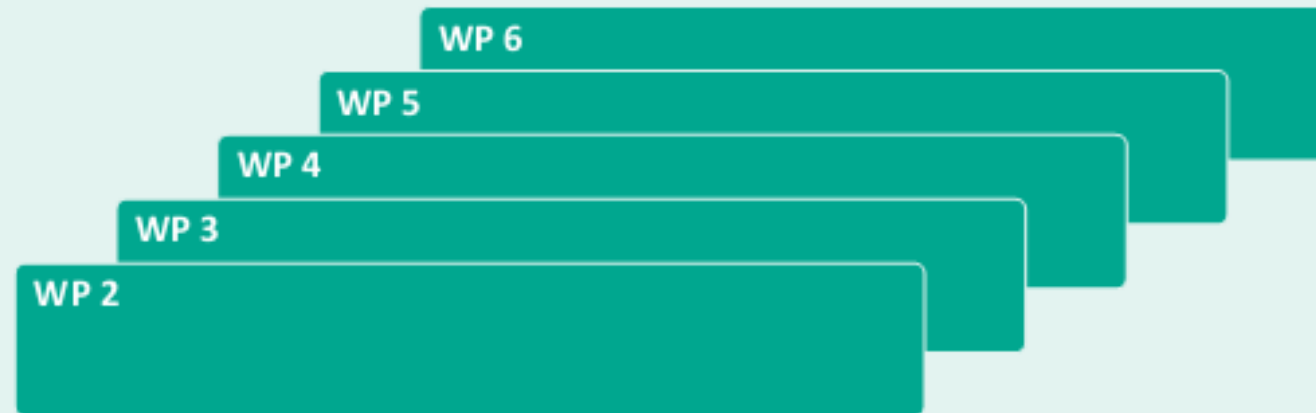
GREEN SURGE



Three tiers

1. *Comparative analysis* of European cities / city regions
 - E.g. focus on green space structure, UGI planning and governance
2. *Good practices* (cases for in-depth study)
 - E.g. focus on good practices in UGI planning, governance, real market integration of ESS
3. *Urban Learning Labs* in Bari, Berlin, Edinburgh, Ljubljana, Malmö
 - Application of good practices, methods, tools
 - Learning Alliances – and ‘double helix’ approach

SCIENCE-DRIVEN APPROACH:
Pan-European – 20 Case Studies – 8-10 Good Practice Cases



EXPERIENCE-DRIVEN APPROACH: 5 Urban Learning Labs (ULL)

**Innovative
UGI
Planning
and
Governance**

Malmö,
Sweden

City description: Rapidly growing North European city with approx. 280,000 residents of whom 41% immigrants; the city is undergoing restructuring and densification.

Main issues to be addressed: 'Double inner city development' i.e. developing green space and ESS while keeping future growth within existing city boundaries through densification and restructuring; development of a UGI strategy in a compact inner city; adjustment of unbalanced provision of green spaces between city districts; implementation and evaluation of test beds for urban biotopes that promote BD; collaborative and participatory processes for green space planning and management, including integration of immigrant populations.

Local areas/project areas: Harbour transformation, Inner city, Augustenborg residential area with botanical green roof gardens; focus e.g. on (pocket) parks, community gardening, green roofs and walls.



Dissemination and knowledge brokerage

- Dissemination and knowledge brokerage, led by ICLEI
 - Including a range of events, media
- Project website
- Urban Learning Labs & Learning Alliances
- Involvement of range of local stakeholders – and special role of local SMEs
- Urban Learning Lab portals as essential tools



Future research priorities

- GREEN SURGE will address some of the knowledge gaps
- Central to the project: integrating biodiversity and cultural diversity
- More research needs on mechanisms:
 - Why do bio(cultural) diversity (BCD), urban green spaces (UGS) provide the ecosystem services (ESS) they do?
 - How do different types and characteristics of BCD and GS impact ecosystem service provision?
- More research on governance and green economy aspects:
 - Innovative governance arrangements for promoting BCD, UGS and ESS
 - Valuation and real market integration of ESS

Further information

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