



EdiCitNet – Edible Cities Network CLEVER Cities

Upscaling and inner city replication roadmaps

www.clevercities.eu

NBS in the Living Labs

Hamburg's CLEVER Action Lab:

Neugraben-Fischbek

Located in the South-West of Hamburg, Neugraben-Fischbeik has a rich history: both Neugraben and Fischbeik has do be independent villages and became part of Hamburg during the 1930s. Nowadays the area is growing even faster than the rest of city and new

The CLEVER Action Lab reaches from central Neugraben, via the Fischbek public school and the Sandbek housing estate, towards new housing ranges from old village-style houses to the 1960s high-



The aim is to have a pilot project on one part of the East-West walking/cycling path in order to use the experiences made when redesigning the rest of the path. Along the corridor, nature-based solutions will be nature with the city. A guiding tool will be developed telling the story of local history and identity through

New green roofs will be constructed to test their potential to retain rainwater, and also to serve as temperatures in summer and improved well-being of

School playgrounds will be redesigned using naturekey element throughout the CLEVER Action Lab) and the urban school gardens will also be developed.

- Amburg's CLEVER Cities participation platform
- witter.com/baharburg



https://clevercities.eu/hamburg/

London's CLEVED Action Lab

Thamesmead

south-east London on the south bank of the river.

The history

Thamesmead is a neighbourhood, with a unique history and an existing community of over 45,000 people. It has a vibrant and multi-cultural population and has seen significant change in demographics in the last thirty years. Thamesmead, once a predominately white working class new town, now has 63% of its residents London average of 55%. The population in Thamesmead is expected to double in the next 50 years with new housing being built and improved transport connections underway. There is a recognition that this growth will. integration challenges.

Thamesmead is an architecturally iconic public-housing Council in the 1960's. It was conceived to address the post war housing crisis and tackle some of the problems associated with tenement living. It had an ambitious plan to be a utonia of affordable housing with estate is situated on the Thames floodolain, these open spaces were also designed to hold flood water in the event of extensive tidal flooding, which prior to the introduction of the Thames Barrier in 1984 was a significant risk. In many ways the estate is an early example of nature-based solutions in use.

The first swath of development created concrete towers and low-rise homes, elevated from the ground to protect from flooding, and connected by walkways and interaction. Other parts of Thamesmead, built in the 1970s and 1980s, moved away from this model and focused on building more typical suburban street layout



- provide more opportunities for the residents to connect with, and learn about their natural landscapes . use nature hased solutions as a means to unskill and improve economic preparationities for residents of Themsemeant
- develop and implement new ways of community engagement, built on the principles of co-design;
- . demonstrate that nature-based solutions can contribute to improving wellbeing for citizens;
- progress the research on valuing the benefits of nature-based solutions in urban regeneration projects; and
 contribute to the evidence base that supports the business case for more nature-based solutions in future regeneration

https://clevercities.eu/london/

Vision and Mission

The source for CCCUER Come Miller to a city that from propagive actuations in nature to regenerate, face climate change and build its future together with its citizatia.

Do employment the annual resident interpretations on Milante resignitionarity code, buildings, and infrastructure, the mission is for CLEVER Clies in Miles to demonstrate the earticity and effectiveness of nature-based solutions, and become the voice for promoting them throughout the city

CLEVER Other Milan is starting by experimenting with

autubury in the auuthern part of Milars, and intends to

etsen stirastructure and inscretive nature-based

appeal them throughout the one Bigns for three



Plans for the CLEVER Action Labs

'Rinverdiamo Milano" (Let'x re-green Milan)

The learn is using results obtained from the <u>Decumenus</u> project, which has located potential buildings and areas. suitable for steen tools in Milan, in partnerstop with new and soluting roof and given wall stakeholders, the aim is to operal the development of green route and walls on buildings throughout Wiler. A participatory promobunal campatan will mustys developate an effective mix of tailmed actions and tools, assurem names execute, training, each areas of ecod practice.

its-dewgn, technical support, funding, plut projects and monitoring that demonstrate the environmental and



Development of public green areas

A new mark for Glamballing 175

with new forms of op-creation, the team is planning to neithbourhood of Milan. Flams are to include nature based adjutions such as a green buffer area near the radiose, a water management and input once eatlern citizens. The sim is to encourage shared management



Be part of CLEVER Cities in Milan

CLEVER Crise Milan platform (Italian)

A new green hub for Tibaldi station

CLEVER Crear Milance planning to re-densit the refuse. will make the infrastructure out only represent to the urban sentronment. The innocative elements will include parriets in the attractions and embanisments of the and actional about spaces such as wattro areas.







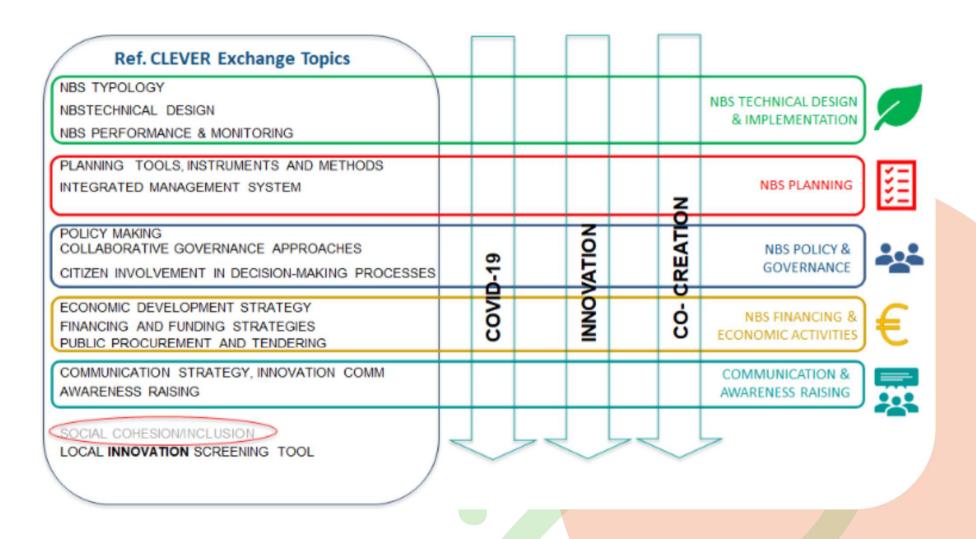


https://clevercities.eu/milan/

NBS in the Living Labs / Fellow cities



NBS in Living Labs / Mapping Lessons Learned











Upscale Pathways for Projects in Hamburg

HAMBURG UPSCALING	CAL 1 / GREEN CORRIDOR WOULD BE NOT THE RIGHT CHOICE TO DISCUSS IN THE CONTEXT OF THE UPSCALE PLANNING	CAL 2 / GREEN WALLS & ROOFS UPSCALING INTO THE ENTIRE CITY AND BEYOND	CAL 3 / RESTRUCTURING OF SCHOOL YARDS POTENTIAL TOOLS FOR UPSCALING ARE THE ATTENDANCE IN CONTESTS
GOVERNANCE	INVOLVEMENT OF MINISTRY OF ENVIRONMENT AND ENERGY (BUE)		RELEVANT STAKEHOLDER TO GATHER THIS EXPERIENCE WILL BE THE GMH
URBAN PLANNING	NATURE PLAYGROUND: CLIMATE TREES FLOWER MEADOWS WITH INSECT HOTELS BEDS AND MULTI-FUNCTIONAL ISLANDS	GREEN FACADE AT THE SAGA DWELLING IN NEUGRABEN-FISCHBEK HOLDS A POTENTIAL FOR UPSCALING	
FINANCE SCHEMMES		(BUE) EXTENDED HIS GREEN ROOF FUNDING PROGRAM BY THE OPTION TO FUND GREEN FACADES TOO	POTENTIAL TOOLS FOR UPSCALING ARE THE ATTENDANCE IN CONTESTS THAT HONOR SHOOLS
NBS DECISION MAKING	VARIETY OF ENABLING TOOLS THOUGHT AT THE EARLY STAGES OF CO- DESIGN, CO-IMPLEMENTATION OF THE INTERVENTIONS		KNOWLEDGE TRANSFER CAN BE INSPIRED OUTCOME FOR THE UPSCALING SHOULD BE A NETWORK OF SCHOOLS THAT COPY THE IDEA REALISED IN NEUGRABEN-FISCHBEK.
MONITORING			

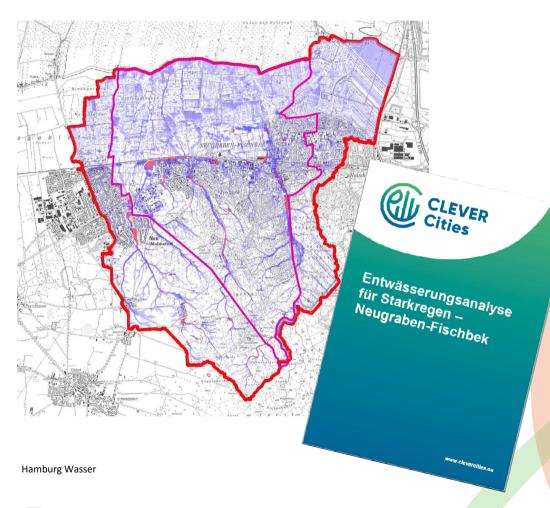








Upscale Pathways for Drainage Analysis for Heavy Rainfall



- Collaborative work of many administrative bodies, agencies, communal water supply and sewage disposal company, and academia representatives
- Led to currently ongoing works on upscaling the methodology incl. the simulation model in other parts of Hamburg
- Upscale guaranteed already at another location in Harburg









Upscale Pathways for Projects in MILAN

MILAN UPSCALING	CAL 1 / GREEN ROOFS POTENTIAL REPLICATION OF CLEVER ROOFS AND WALLS ALL OVER THE CITY AND THE METROPOLITAN AREA	CAL 2 / COMMUNITY GARDEN REPLICATION OF CLEVER ROOFS AND WALLS ALL OVER THE CITY AND THE METROPOLITAN AREA	CAL 3 / TRAIN STATION THERE ARE REASONS THAT MADE IMPRACTICAL THE APPLICATION IN OTHERS RAILWAY ENVIRONMENT
GOVERNANCE	CO-MAPPING OF GREEN ROOFS AND WALLS, GIVING VISIBILITY TO THE EXISTING REALIZATION	INVOLVEMENT OF DIFFERENT SH WORKING IN PUBLIC GARDENS MANAGEMENT VALUE CHAIN IS A KEY ASPECT FOR UPSCALING	PEOPLE IDENTIFIED AND INVOLVED IN THE CO-DESIGN PHASE, THAT ARE INTERESTED IN MANAGING THE GREEN AREA FOR NO-PROFIT
URBAN PLANNING	NEW URBAN PLAN (PGT) AND RELATED OPERATIVE RULES AND TOOLS (RUE/RII) WILL ENHANCE THE DEVELOPMENT OF GREEN ROOFS AND WALLS	ECOLOGICAL-NATURALISTIC CRITERIA IN THE DESIGN OF URBAN GREEN AREAS INSIGHTS ON NEW PROCEDURAL METHODS FOR THE ASSIGNMENT AND MANAGEMENT OF GREEN SPACES INCLUSION IN THE PREPARATION OF TENDER INNOVATIVE SPECIFICATIONS THE AWARDING WITH NEW TYPES OF SUPPLIES	A "BARRIER" WOULD BECOME "AN INTEGRATED SURFACE IN THE URBAN CENTER" THE ACOUSTIC BARRIER WOULD BECOME AN OPPORTUNITY FOR THE AREA AND NOT A LAW OBLIGATION FOR THE LAND PROTECTION. BARRIER WOULDN'T BE FELT AS A DIVIDING ELEMENT BUT AS A BINDING AND ENRICHING ELEMENT OF THE URBAN ENVIRONMENT









Upscale Pathways for Projects in MILAN

MILAN UPSCALING	CAL 1 / GREEN ROOFS POTENTIAL REPLICATION OF CLEVER ROOFS AND WALLS ALL OVER THE CITY AND THE METROPOLITAN AREA	CAL 2 / COMMUNITY GARDEN REPLICATION OF CLEVER ROOFS AND WALLS ALL OVER THE CITY AND THE METROPOLITAN AREA	CAL 3 / TRAIN STATION THERE ARE REASONS THAT MADE IMPRACTICAL THE APPLICATION IN OTHERS RAILWAY ENVIRONMENT
FINANCE SCHEMMES	INVOLVE PRIVATE SPONSORSHIPS AWARDING THE MOST INTERESTING PROJECTS		EXTERNAL SPACE COULD BECOME A CO-SHARED COMMITMENT FOR THE ENTIRE COMMUNITY: RFI AND THE CITY OF MILAN ARE WORKING ON THE POSSIBILITY OF AN AGREEMENT WHICH WOULD ENSURE THE MAINTENANCE
NBS DECISION MAKING	STANDARD THEME IN TRAINING COURSES AT UNIVERSITY AND PROFESSIONAL ASSOCIATIONS		NATIVE SPECIES OF VEGETATION WAS PLANNED ON THE SUGGESTIONS OF TRADE ASSOCIATIONS IN THE CO-DESIGN PHASE
	CO-MAPPING OF GREEN ROOFS AND WALLS, GIVING VISIBILITY TO THE EXISTING REALIZATION COULD REPRESENT AN OPPORTUNITY, PROBABLY EXPANDING TO THE ENTIRE METROPOLITAN CITY OF MILAN		
MONITORING	CERTIFICATION SCHEMES (LEED, BREAMS, ETC.) HAVE TO BE BETTER PROMOTED AND COMMUNICATED	GUIDED TOURS HAVE DEMONSTRATED AS AN EFFICIENT WAY TO ENGAGE DIFFERENT STAKEHOLDERS AND RAISE THE LATTER AWARENESS SIGNIFICANTLY.	CONTRIBUTE TO LOWER THE TEMPERATURE AND TO REDUCE CO2 EMISSIONS IN THE URBAN AREA.
	LONG-TERM DIGITAL CO-MONITORING LEADING TO NEW INSIGHTS INTO NBS FUNCTIONING AND ACTIVE LEARNING		









Upscale Pathways for Projects in LONDON

LONDON UPSCALING	CAL 1 / HEALTHY STREETS APPROACH OPPORTUNITY FOR UPSCALING THE USE OF CO-PRODUCTION IS SIGNIFICANT	CAL 2 / SOUTHMERE LAKE THERE ARE SIGNIFICANT OPPORTUNITIES FOR UPSCALING THE NATURE-BASED RECREATION	CAL 3 / GREENING UNUSUAL AND UNDERUSED SPACES SIGNIFICANT OPPORTUNITY TO UPSCALE IN SIMILAR POST WAR ESTATES ACROSS EUROPE
GOVERNANCE	CO-PRODUCTION AND HOW WE WORK COLLABORATIVELY WITH COMMUNITY STAKEHOLDERS IS PRESENTLY THE AMBITION OF MANY REGENERATION PROJECTS	NATURE FORUM – MEETINGS AND STRATEGIC MAPPING PARTNERING WITH PROVIDERS OF NB	
		RECREATION REPLICATION OUTSIDE OF THAMESMEAD E.G. PARK RUN	PARTNER WITH SPONSOR FOR ROLL OUT OF GOOD EXAMPLES
URBAN PLANNING	SHEER NUMBER OF LIVE AND PRE- PLANNING REGENERATION PROJECTS IN LONDON		MODULAR 'IKEA STYLE' INTERVENTIONS TECHNICAL GUIDANCE OF INSTALLATIONS
FINANCE SCHEMMES		GRANTS FOR REPLICATION NATURAL CAPITAL ACCOUNT OF INCREASED USE OF SOUTHMERE BUSINESS CASE FOR COMMERCIAL VALUE	COMMUNITY GRANTS AND KITS
NBS DECISION MAKING	BUILD THE BUSINESS CASE FOR CO-PRODUCTION AND INFLUENCE DECISION MAKERS		
MONITORING	TYPES OF BENEFITS AND COSTS OF CO-PRODUCTION AND HOW TO EFFECTIVELY MEASURE THESE		HUMAN INTEREST STORIES ABOUT EMOTIONAL IMPACT

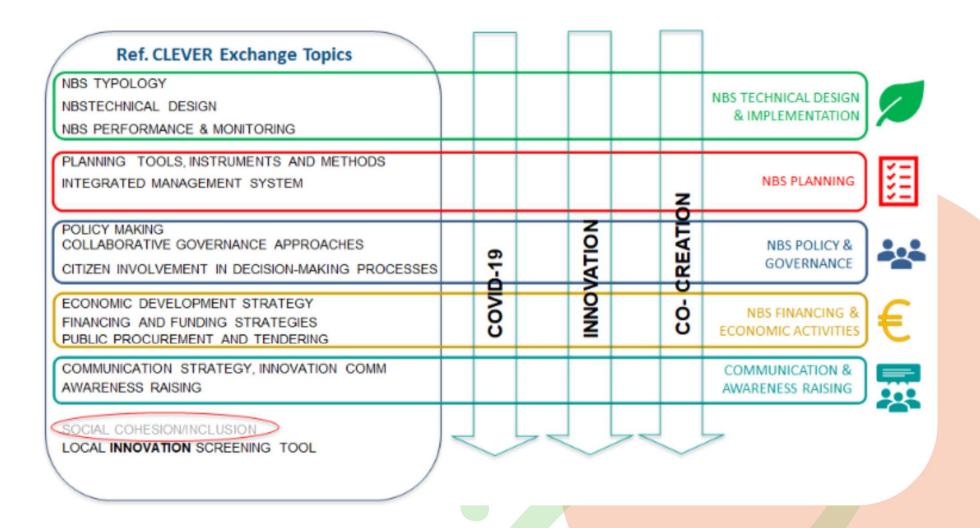








Challenges // Mapping Lessons Learned











PROCESS OVERVIEW

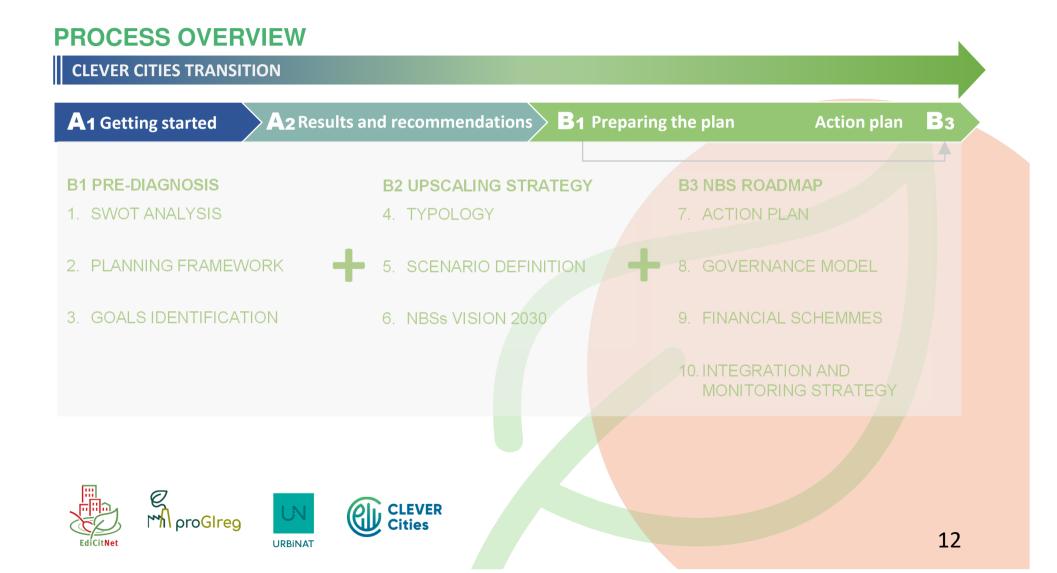












Getting started LESSON LEARNED DESCRIPTION

A1 Getting started

LESSON LEARNED DESCRIPTION

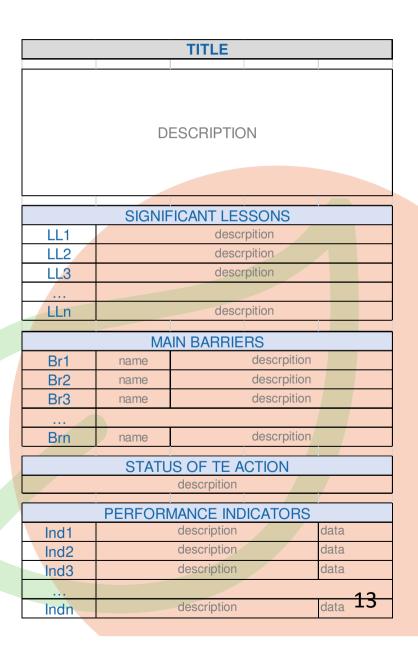
- 1. TITLE
- 2. DESCRIPTION
- 3. KEY ASPECTS
- 4. MAIN BARRIERS
- 5. STATUS OF TE ACTION
- PERFORMANCE PROCES
 (existing ones to evaluate the upscaling itself)











LESSON LEARNED SIGNIFICANCE

A₂

Results and recommendations

EXCHANGE TOPIC ANALYSIS

- GOVERNANCE
- URBAN PLANNING
- NBSs DECISION MAKING
- FINANCE SCHEMES
- MONITORING

WHERE + WHAT + HOW + WHO + WHEN



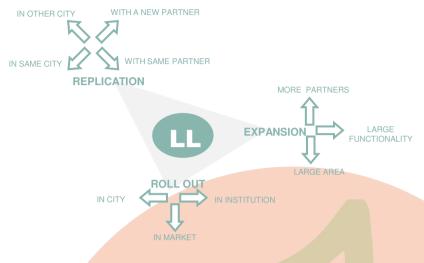






A2.1

WKS with relevant stakeholders



HOW THAT ACTION MEETS THE OBJECTIVES OF YOUR OWN AND OTHERS URBAN REGENERATION GOALS?

A2.2

Qualitative analysis

SIGNIFICANCE EVALUATION IN EACH EXCHANGE TOPIC

COVERNANCE		SIGNIFICANCE	
	NANCE	++	-
IERS	++	3	1
BARRIERS		2	0

PLANNING.		SIGNIFICANCE	
		++	1
BARRIERS	++	3	1
		2	0

14

LESSON LEARNED SIGNIFICANCE









