



Grant Agreement No.: 730468

Project acronym: Nature4Cities

Project title: Nature Based Solutions for re-naturing cities: knowledge diffusion and decision support platform through new collaborative models

Research and Innovation Action

Topic: SCC-03-2016: New governance, business, financing models and economic impact assessment tools for sustainable cities with nature-based solutions (urban re-naturing)

Starting date of project: 1st of November 2016

Duration: 48 months

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730468



Documentation General Meeting Nature4Cities Community Building Day, Vienna

15-16th May 2017

University of Natural Resources and Life Sciences

Peter Jordan Straße 82, 1190 Vienna



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1 Introduction: The first community building day

The first community building day of Nature4Cities took place from 15th to 16th of May 2017 at the University of Natural Resources and Life Sciences in Vienna. The purpose of the community building day was to bring together people from divergent professional backgrounds who operate in the field of Nature Based Solutions. Members from the European Union, from the finance sector, the industry, city planners, architects, green area managers and many others were invited to communicate and to exchange experiences. The overall aim of Nature4Cities is to create a network for activities and research for Nature-Based Solutions throughout the European Union and serve as a knowledge platform. Moreover co-development and demonstration with partner cities take place. Regular meetings and communication are key factors for a successful collaboration within the project and the effective future of Nature-Based Solutions.



2 Program

The community building day as a part of the general meeting in Vienna took place on the 15th and 16th of May 2017. The first day, the general meeting, was characterized by presentations regarding the status of the progress, discussions and the definition of the next steps. In the afternoon a work session was held to work together on a strategy for integration of the project outcomes, databases, methods and tools. Reports and video are allocated in the server.

In the evening the members of the conference were invited by the team of Green4Cities on a guided bus tour to NBS sites in Vienna. They visited the Boutique- Hotel Stadthalle, a school which has a research project on green walls (GRG 7) as well as the green facades of the municipal buildings of MA 31 & MA48. The day ended at a cosy get-together at a typical Viennese Heuriger.

2.1 DAY ONE: General meeting

PROGRAMME

DAY 1

GREEN **4** CITIES



NATURE 4 CITIES



15th May 2017

Information about the progress within the WPs and Tasks

Discussion with all Partners, Definition next steps

Moderation Vera Enzi | GREEN4CITIES

8:00	REGISTRATION University of Natural Resources and Life Sciences (BOKU) Exner-Haus Peter-Jordan-Straße 82, 1190 Vienna	Room EXNH HS05
8:30-9:00	WELCOME BY PROJECT COORDINATOR Welcome by Germain Adell Nobatek	Room EXNH HS05
9:00-9:30	WP 9 - COMMUNICATION Presentation of Progress - WP9 Leader P&C / Task Leader Discussion & Definition Next Steps	Room EXNH HS05
9:30-10:15	WP 1 - STRUCTURING OF KNOWLEDGE ON NBS 9:30- 9:45 Presentation of Progress - WP1 Leader CER / Task Leader 9:45-10:15 Discussion & Definition Next Steps	Room EXNH HS05
10:15-11:00	WP 5 - IMPLEMENTATION MODELS 10:15-10:30 Presentation of Progress - WP5 Leader TEC / Task Leader 10:30-11:00 Discussion & Definition Next Steps	Room EXNH HS05
11:00-11:30	BREAK Coffee & Fruits	
11:30-12:15	WP 8 - USER REQUIREMENTS 11:30-11:45 Presentation of Progress - WP8 Leader R2M / Task Leader 11:45-12:15 Discussion & Definition Next Steps	Room EXNH HS05
12:15-13:45	INTER-WP WORK SESSION work altogether on the strategy for integration of the projects outcomes, databases, methods and tools	Room EXNH HS05 SCHW-SR08 03/105



13:45-15:00	LUNCH BREAK MODUL Café-Restaurant Peter-Jordan-Straße 78 <i>Lunch is included</i>	03/107
15:00-16:30	PARALLEL SESSIONS WP1 + WP2 joint workshop WP3 + WP4 joint workshop	Room EXNH HS05 SCHW-SR08 03/105 03/107
OFFICIAL END - DAY 1		
17:00-19:00	GUIDED BUS TOUR TO NBS SITES IN VIENNA BY G4C Boutique-Hotel Stadthalle GRG7 MA 31 & MA 48 <i>free participation but only possible after registration - max 60 persons</i>	Place Bus Tour in Vienna
20:00	DINNER Heuriger Wolff Rathstraße 46-50, 1190 Wien Common journey by bus after the tour <i>only possible after registration - not included, has to be payed individually</i>	Place Heuriger
23:00	<i>It is possible to take the bus back to the university / public transport</i>	

Following the official welcome by the project coordinator Germain Adell from Nobatek the progress of several work packages (WP 9, WP 1, WP 5, Wp 8) was presented. Different workpackages were discussed and next steps defined.



WP 9 - COMMUNICATION

Presentation of Progress - WP9 Leader P&C/
Task Leader

Discussion & Definition Next Steps



WP 1 - STRUCTURING OF KNOWLEDGE ON NBS

Presentation of Progress - WP1 Leader CER/
Task Leader

Discussion & Definition Next Steps



WP 5 - IMPLEMENTATION MODELS

Presentation of Progress - WP5 Leader TEC/
Task Leader

Discussion & Definition Next Steps



WP 8 - USER REQUIREMENTS

Presentation of Progress - WP8 Leader R2M/
Task Leader

Discussion & Definition Next Steps

Following the presentations of workpackages work sessions were organized. The aim of the Inter-WP work session was to define a strategy for integration of the project outcomes, databases, methods and tools and two joint workshops were held on the workpackages 1+2 as well as 3+4.





At 5pm the guided bus tour started and took conference members to several NBS sites in Vienna such as the Boutiquehotel Stadthalle, a school project on green walls (GRG 7) and the green facades of the municipal buildings of MA 31 & MA48.



Boutiquehotel Stadthalle



GRG 7



Municipal building MA 48



2.2 DAY TWO: Community building day

The second day, the community building day, started with a skype interposition from the project officer Béla Atzél as well as the Financial Officer Allesandro Creszenzi and was followed by an official conference welcome by the hosts; the leader of the institute for landscaping and bioengineering, the rectorate of the university of Natural Resources and Life Sciences of Vienna as well as a key speaker.



Béla Atzél | Project Officer

Allesandro Creszenzi | Financial Officer



Ulrike Pitha | Nature4Cities



2.2.1 Method of the community building day

The community building day was divided in four thematic fields to guide the communication and the exchange of experiences within the conference:

- Platforms/Communications
- Financing Mechanisms
- Governance
- Neighborhood

The community building day succeeded a participatory approach, so in every thematic field a key note speech as attunement for everyone was held followed by four parallel story corners that could be topic center selected.

The purpose of the key note and the story corners was to bring together different experiences and paint a vivid picture of existing good practice of different thematic fields (Governance, Neighborhood, Financing Mechanism and Platforms/Communication) and to share success factors, challenges and lessons learned. Due to the setting and the special task given to the audience, it also opens the room for attentive listening and gave the lecturer the chance to receive an in-depth feed-back from your audience.

Moreover, the audience was invited to fill in so called ‘Harvest sheets’ to collect project facts, challenges, lessons learned and intended next steps. These harvest sheets now build a very good basis for further activities.

PROGRAMME

DAY 2

GREEN 4 CITIES



NATURE 4 CITIES



16th May 2017

Work on Project Tasks | Community Building

Moderation Rosemarie Stangl | BOKU

8:00

WELCOME

University of Natural Resources and Life Sciences (BOKU)
Exner-Haus | Peter-Jordan-Straße 82, 1190 Vienna

Room

EXNH | HS05

8:30-10:00

ADDRESS TO THE CONSORTIUM VIA SKYPE

Project Officer | Béla Atzél
Financial Officer | Alessandro Crescenzi

Room

EXNH | HS05

10:00-10:30

OFFICIAL CONFERENCE WELCOME BY HOST

Moderation Univ.Prof. DDr. Rosemarie Stangl
Rectorate Univ.Prof. Dr.Dr. h.c. Hubert Dürrstein
Key Speaker Priv.Do. DDr. Ulrike Pitha

Room

EXNH | HS05

10:30-11:00

BREAK

Coffee & Fruits

COMMUNITY BUILDING

Key Note

Presentation of real projects from different thematic fields, persons (also from outside the project) and point of views in order to start a lively discussion and to start bonding (Creation of a Community of Practice)


Story Corner

à 15 minutes presentation of a key person and a 25 minute discussion (with a structured form of discussion).

Each story corner is staffed with a flipchart and a rapporteur so that each story corner is producing a presentable result.

The flipcharts will be exposed all together at the main meeting room.



11:15-11:50	Story Corner Milano Roberta Donati Szeged Miklós Oláh Çankaya Eylem Koçak, Tunga Köroglu Madrid Alberto Egido Viciano	Cava Nord City development projects Bademlidere Project Growing Communities	   
12:00-13:00	THEMATIC FIELD: NEIGHBOURHOOD		Room
12:00-12:15	Key Presentation Christopher Raymond Landscape Planning Group, SLU Citizen engagement in environmental planning and management: Insights from Australia, Europe and Canada		EXNH HS05
12:15-12:50	Story Corner Plante & Cité Pauline Laille ELCA Yves Heirman KARLS concept Esther Blaimschein, Simone Rongitsch BOKU Florian Reinwald	Green roof implementation Implementing GI Urban Gardening Biotpe City is smart	   
13:00-14:30	LUNCH BREAK		Room
	Gaumenfreundinnen - Buffet at the BOKU <i>Lunch is included</i>		Aula Schwackhöferhaus
14:30-15:30	THEMATIC FIELD: PLATFORMS/COMMUNICATION		Room
14:30-14:45	Key Presentation Marie Yeroyanni European Commission - DG Research & Innovation Innovating Cities with nature-based solutions		EXNH HS05
14:45-15:20	Story Corner GREEN4CITIES Bernhard Scharf CEEweb Agnes Zolyomi vfi: Daniel Podmirseg NATURVATION Attila Katona	GREENPASS® Getting people on board vertical farm institute good practices and future prospects	   
15:30-16:30	THEMATIC FIELD: FINANCING MECHANISMS		Room
15:30-15:45	Key Presentation Mónica A. Altamirano Deltares Alternative financing options for Green Infrastructure		EXNH HS05
15:45-16:20	Story Corner TECHMETALL Sascha Haas Energy Changes Clemens Plöchl Green Rocket Xiaobao Dong EFB Dusty Gedge	Darwingasse SEFIPA Crowdfunding best practices How do we finance green infrastructure?	   
16:30-17:00	SUMMARY & PROJECT GENERAL ASSEMBLY		Room
	Rosemarie Stangl BOKU		EXNH HS05
OFFICIAL END - DAY 2			
17:15-18:30	FIRE CHAT AND OPEN MICROPHONE		Room
	panel discussion with Rosemarie Stangl BOKU <i>free participation but only possible after registration</i>		Faculty Club
FOLLOWING	WINE AND MUSIC		Room
	Cozy atmosphere with wine and music		Faculty Club

3 Thematic fields

Following results of the community building day are structured after the four thematic fields:

- Platforms/Communications
- Financing Mechanisms
- Governance
- Neighborhood

3.1 Platforms/Communication

The topic ‘Platform and Communication’ is a very crucial one. The aim was to find out which platforms and communication trails already exist and where it is possible to put to further efforts.

3.1.1 Key Presentation Platforms/Communications



Marie Yeroyanni | European Commission - DG Research & Innovation

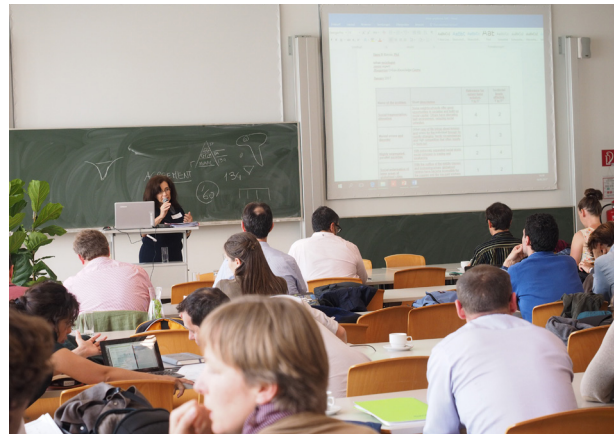
Innovation Cities with nature-based solutions

Horizon 2020 intends to be challenge-driven and solutions-oriented. This is a premise because our economies and societies obviously become vulnerable to the impacts of climate change – including the key resource of water. Therefore we need to increase imperatively resilience to climate change while at the same time have to drastically cut our CO2 emissions.

In parallel, our natural resources and ecosystems are in crisis and risk being unable to provide us with the services we take for granted: clean air and water, recreational areas for leisure and relaxation, healthy forests that act as carbon sinks, productive soil...

We are facing a serious challenge in ensuring the sustainable supply and use of the raw materials that are crucial for our economies and way of life.

Societal Challenge 5 (“Climate action, environment, resource efficiency and raw materials“) is about finding solutions to these challenges. Not just furthering our knowledge for the sake of knowledge – other parts of H2020 have that aim. But harnessing knowledge to come up with effective solutions that can be put into practice. Systemic urban innovation is connecting digital, physical, natural and social solutions for cities.

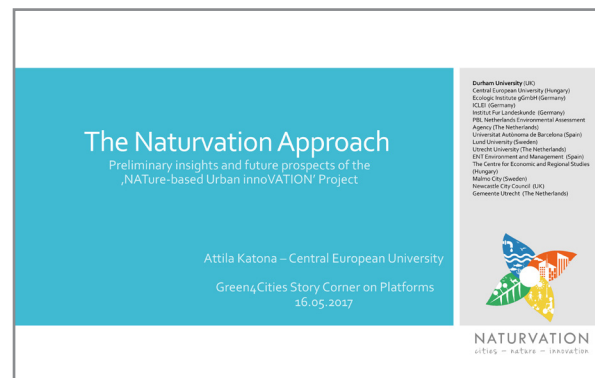


3.1.2 Story Corner Platforms/Communications

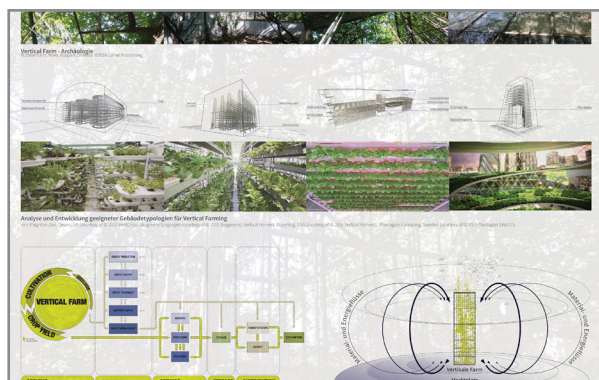
In the thematic field of Platforms & Communications three Story Corners took place. Bernhard Scharf presented 'GREENPASS', Attila Katona 'Naturvation' and Daniel Podmirseg the 'vertical-farminstitute':



GREEN4CITIES | Bernhard Scharf



NATURVATION | Attila Katona



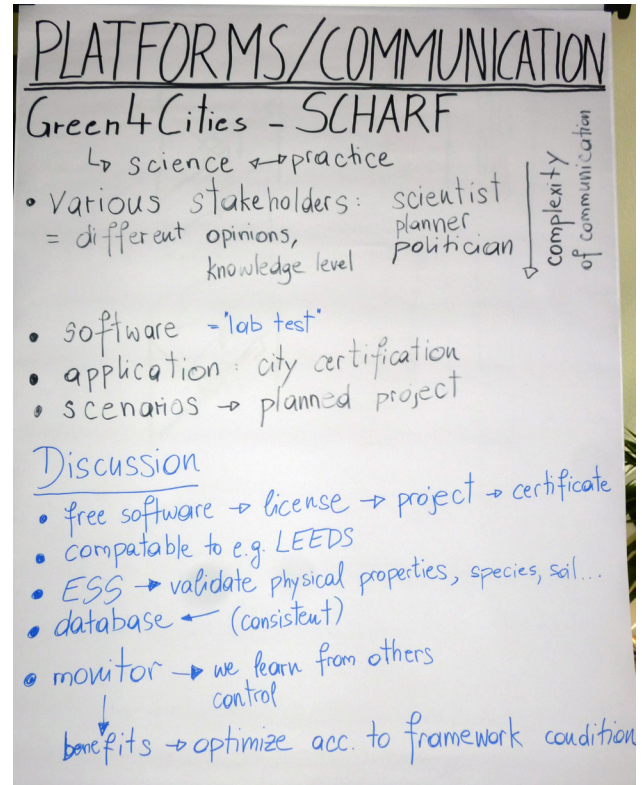
vfi | Daniel Podmirseg



Green4Cities | Bernhard Scharf

Berhard Scharf presented the goals of the Green4Cities platform and introduced the new GREENPASS to the audience. GREENPASS is a microclimatic simulation model that quantifies multiple effects of NBS. It bridges the distance between scientists and planners. It provides different levels of analysis (city level, object level) in different project phases and certificates buildings in terms of NBS conditions. It covers a toolbox, a software as well as applications to analyze the urban structure and its potential for NBS improvement.

The development of SMART CITIES is highly complex demanding for interdisciplinary co-creative work – all under cost and time pressure. Many decisions are made subjectively and/or based on individual experience. GREENPASS can help to make decision objective and comprehensible for everyone.



PLATFORMS/COMMUNICATION
Green4Cities - SCHARF
 ↳ science ↔ practice

- Various stakeholders: scientist, planner, politician
 = different opinions, knowledge level
- software = 'lab test'
- application: city certification
- scenarios → planned project

Discussion

- free software → license → project → certificate
- compatible to e.g. LEEDS
- ESS → validate physical properties, species, soil...
- database ← (consistent)
- monitor → we learn from others control

↓
 benefits → optimize acc. to framework conditions

complexity of communication (written vertically on the right side)

The discussion that followed was about the financing model of GREENPASS, the compatibility to existing programs and the challenge of providing a consistent database.

Regarding the GREENPASS it can be seen as a challenge that everyone involved share different interests and has another point of view. Furthermore it makes a great difference whether data is provided for scientists or practitioners. Every profession has its own perceptions and language.

HARVEST SHEET

DATE: 16th May 2017

Session: Platforms/Communication
 Working Group Title: Green4Cities
 Moderator(s): Bernhard Scharf
 Participant(s):

PROJECT FACTS

Closing gap between Scientists + practitioners
 Greenpass → plan green infrastructure for livable cities → through science a lot of indicators known
 changes Draft of planning objects → assess GI → build it
 Assessment over Software (Greenpass) → input

CHALLENGES

Different interests
 - in points of view

providing certification & global license system

LESSONS LEARNED

NEXT STEPS

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 720468



HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 14th May 2017

Session: PLATFORMS/COMMUNICATION
 Working Group Title: GREENPASS
 Moderator/s: Bernhard Scheif
 Participant/s:

PROJECT FACTS

Bridges the distance between scientific and planning
 different levels of analysis in different project phases
 like a building certificate for outdoor
 thermal comfort - map
 numerical and map evaluations

CHALLENGES

closing the gap between scientific & practical
 different perception / language
 interests
 points of view

LESSONS LEARNED

they learn from others =>
 pattern of a central
 the aim is not to simulate - it's more like a lab test

NEXT STEPS

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 725048

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 14th May 2017

Session: PLATFORMS/COMMUNICATION
 Working Group Title: GREENPASS/COMES
 Moderator/s: Me6
 Participant/s:

PROJECT FACTS

Tries to bridge gap science
 & reality; GREENPASS information
 system; Green Pass adds the AD/LOIS;
 (tree certification in the outdoors)

CHALLENGES

Somebody wants an other solution,
 tools to compare his "position"

LESSONS LEARNED

Model improved since 1989

NEXT STEPS

Spread use of the tool
 Learn from others
 Wait for data

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 725048

Naturvation | Attila Katona

The NATURVATION project has three goals:

- **Advancing Assessment:** moving beyond existing approaches that tend to prioritize the ecosystem service benefits of NBS targeting single issues to new processes and techniques capable of assessing the multiple and systemic impacts of NBS in the urban arena, identifying where competing priorities and conflicting values emerge, and accounting for the values and priorities of urban stakeholders.
- **Enabling Innovation:** scaling up from small-scale, fragmented interventions by recognising the ways in which the innovation potential of NBS can be supported through governance, partnerships, business and finance models as well as public participation to overcome the systemic conditions that currently limit their use.
- **Realising Potential:** overcoming the implementation gap in the urban arena by building momentum for NBS in through creating partnerships, knowledge platform, processes and tools required to support policy, business and civil society organisations in cities across Europe.

14⁴⁵ - 15³⁰

PLATFORMS/COMMUNICATION

NATURVATION - ATTILA KATONA
 = NATURE BASED URBAN INNOVATION PROJECT

- ADVANCE ASSESSMENT - Evidence Base (UAP, EU, Non EU)
- ENABLING INNOVATION
- POTENTIAL - System Exchange
- DYNAMICS BETWEEN SOCIAL & TECHNICAL INNOVATION
- **DATABASE** - for everyone

- 7 MAIN TOPICS:

- General Information
- Objectives of the Intervention
- NBS domain, Ecosystem Services, Scale & Beneficiaries
- Governance & Financing
- Innovation
- Evaluation & Learning
- Source / References

CHALLENGE:
 DEFINITIONS of the TOPICS - HOW TO COMPARE WITH OTHER DATABASES

LESSON LEARNED:
 IMPORTANT TO **GAIN TRUST** -> To get cooperations
 -> Informations
 Intuitive

The biggest challenge had been the definition of the topics and the comparison and also to provide comparable database.

The most important lesson learned is that its necessary to gain trust to get cooperations, informations and interviews.



verticalfarminstitute (vfi) | Daniel Podmirseg

The verticalfarminstitute (vfi) is a private institute for research and projects on vertical farming. The goal of the institute is to develop sustainable alternatives to comply the (regional) food supply without an augmentation in land use.

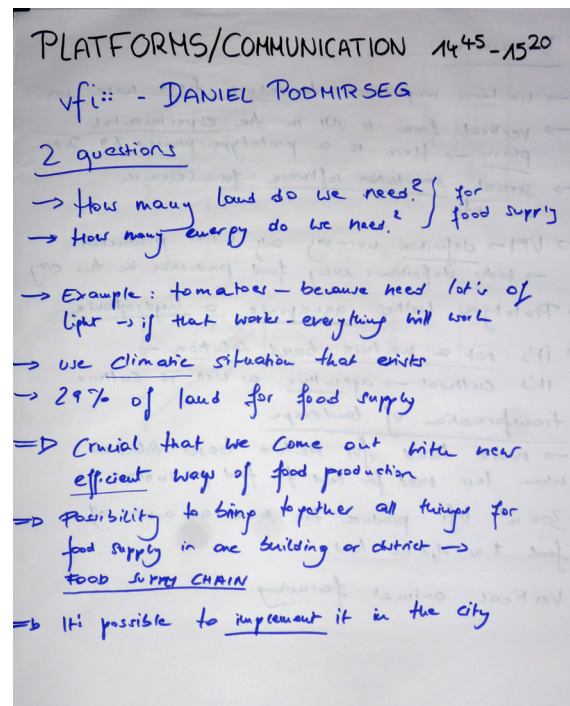
In the view of Daniel Podmirseg there are two questions we have to answer very short-term:

- How many land do we need for food supply?
- How many energy do we need for food supply?

Now there is 29% of land used for food supply.

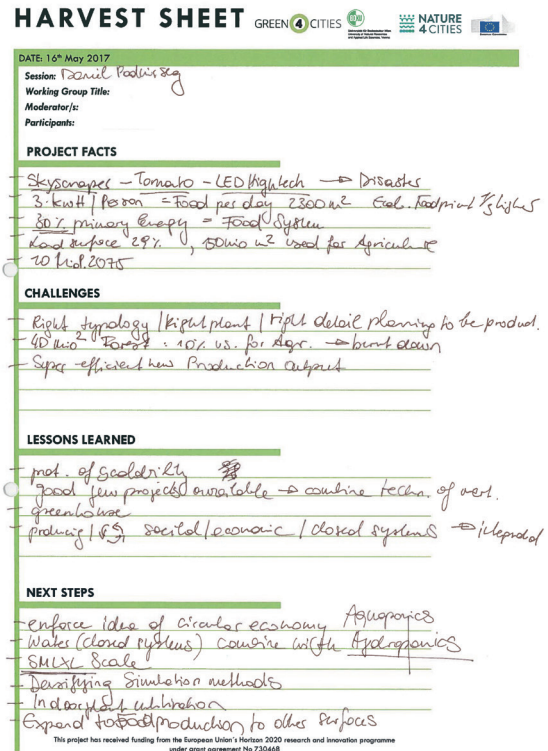
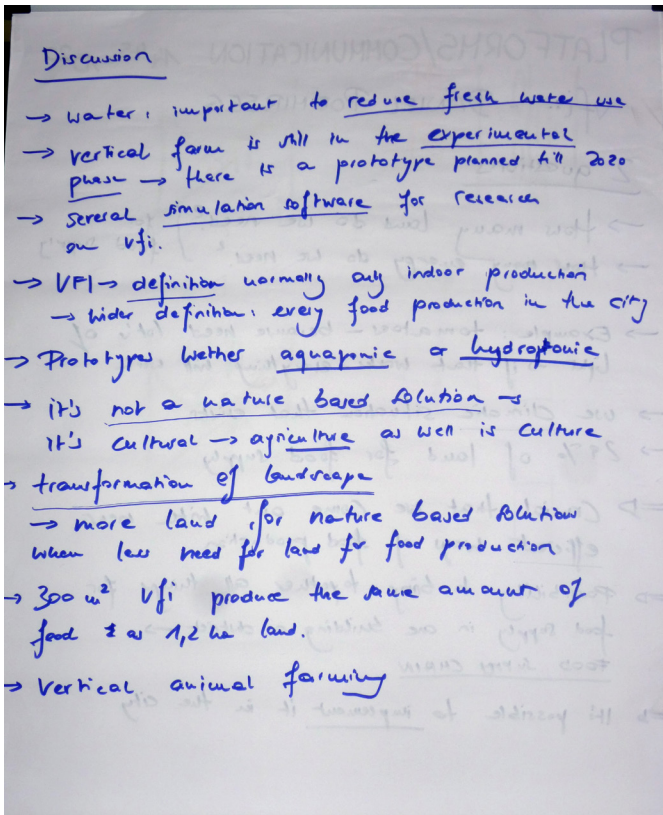
Vertical farming is tested on tomatoes because they need lot's of light - if it works on tomatoes it will work on every plant.

After the vfi it is crucial that there are all components for food supply are brought together in a so called 'food supply chain' in order to reduce ways of transport to its minimum.



The discussion was about whether vertical farming is a NBS or not because its a very artificial production methods in the opinion of several participants. Yet, the less land is used for food supply, the more place can be provided for NBS. 300m² of vertical farming produces the same amount of food as 1,2ha land.

As a next step the idea of circular economy should be developed further, as well as aquaponics and hydroponic techniques. Simulation methods should be densified and the food production should get adapted to all possible surfaces.



3.2 Financing Mechanisms

Financing Mechanisms represent an important premise for the success of Nature- Based Solutions. Therefore the get-together of different stakeholders in the field of finance was crucial as well as the discussion about different financing models throughout the conference.

3.2.1 Key Presentation Financing Mechanisms



Mónica A. Altamirano | Deltares
 Alternative financing options for Green Infrastructures

Mónica Altamirano presented different financial instruments:

- PES and PWS
- Water Funds: private versus public payment schemes
- Water stewardship – companies engaging in Beyond The Fence actions

Financing NBS good governance in her opinion is the key.

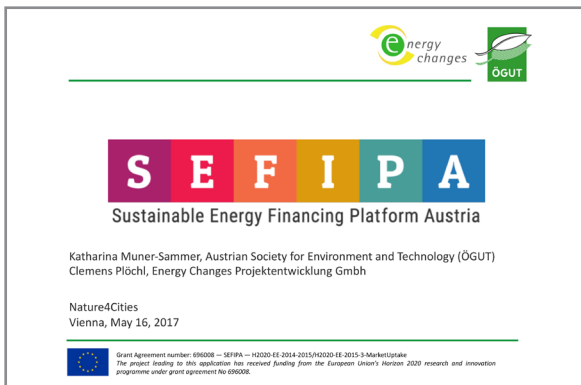
The governments are setting up the institutional and regulatory framework & safeguards - then following key ingredients have to be fulfilled:

- Transparency in collection
- Use of intended goals
- Clear scientific base to guide work of River Basin Agencies and committees
- Rigorous hydrologic monitoring program to communicate & improve outcomes of investments
- Models/tools to understand the vulnerabilities under CC
- Accountability at all levels



3.2.2 Story Corner Financing Mechanisms

In the thematic field of Financing Mechanism following Story Corners took place: Clemens Pöchl presented the Sustainable Energy Financing Platform Austria (SEFIPA), Xiaobao Dong introduced Green Rocket, a crowdfunding platform to the audience, Sascha Haas from Techmetall different school-projects and Dusty Gedge, the head of the European Federation of Green Roof Associations – E F B presented examples of new financing models such as split water fees oder governmental/municipal funding or incentive programs.



SEFIPA | Clemens Pöchl



GREEN ROCKET | Xiaoao Dong



Techmetall | Sascha Haas



EFB | Dusty Gedge

SEFIPA | Clemens Pöchl

Clemens Pöchl presented the Sustainable Energy Financing Platform Austria (SEFIPA) that is a national platform to optimize energy related subsidy system in Austria. The aim of the project is to improve the attractivity and the funding possibilities of sustainable energy investments.

Due to the fact that nobody attended Clemens Pöchls story corner, there cannot be given further information to this project in this context.

GREEN ROCKET | Xiaoao Dong

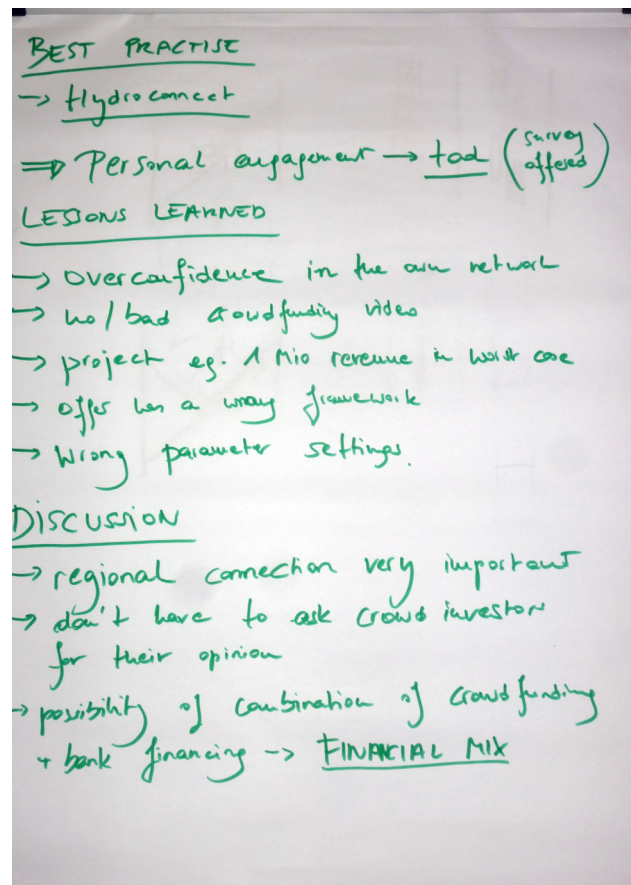
Green Rocket is a crowdfunding platform in Austria and Germany to participate in projects with environmental related topics such as energy, mobility,

There already exist several best practice examples like the 'Sunny bag' or the 'Tiroler Glückspilze'.

Lessons learned:

In general the regional connection is very important. The possibility of a financial mix, means crowdfunding and bank financing, is advised by Xiaoao Dong.

For a successful crowdfunding project the news flow matters, as well as PR and planning. It is to avoid a bad or no crowdfunding video, overconfidence in the own network, a wrong framework of the offer or wrong parameter settings.



TECHMETALL | Sascha Haas

The company develops greenwalls since several years and participates in a couple of school projects. The motivation of these projects is to bring the kids closer to the nature.

Amongst others they were crowdfunding financed. One quarter of the costs are covered, then the producer comes up with the rest. As in every financing process also in crowdfunding projects it is crucial to come up with the right selling arguments at the right moment.

The next steps could be renting or leasing of green walls. Moreover Sascha Haas and Techmetall make an effort to find different channels of distribution.

FINANCING MECHANISM
TECHMETALL - Sascha Haas

project facts:

- how to finance school projects
- Expensive - how to tell
- 4 years ago - cooperation with schools
- already several crowd funding projects

challenges:

- kids closer to nature
- 1/4 of costs covered, then producer comes up with the rest (suppliers - catering / food)



lessons learned:

- right selling arguments
- greenery as part of education

next steps:

- renting / leasing
- different channels of distribution

HARVEST SHEET

DATE: 16th May 2017

Session: Sascha Haas

Working Group Title:

Moderator/:

Participants:

PROJECT FACTS

How to finance projects in school environment
 If expensive: how can you tell it
 4 years ago: school cooperation started
 several projects in crowd funding green walls realized
 scope: 5 - 20k cost of project

CHALLENGES

how can kids get closer to nature?
 developing a good sales approach
 how market a project which is not visible
 1/4 of cost covered, then producer comes up with rest:
 → parents council → suppliers
 → catering / food → give feedback
 Crowd funding: better to reach certain amount of money

LESSONS LEARNED

right selling arguments
 reasons clear → kids back to nature
 greenery as part of education
 engage kids, important to let them be a part of the concept
 Crowd funding possibility, relies on stakeholder community
 → has to be bureaucratic

NEXT STEPS

Participate in the
 renting / leasing
 green walls
 use different channels of distribution
 explore other partners
 Young visitors (future low) students (3-10) plant / install / project

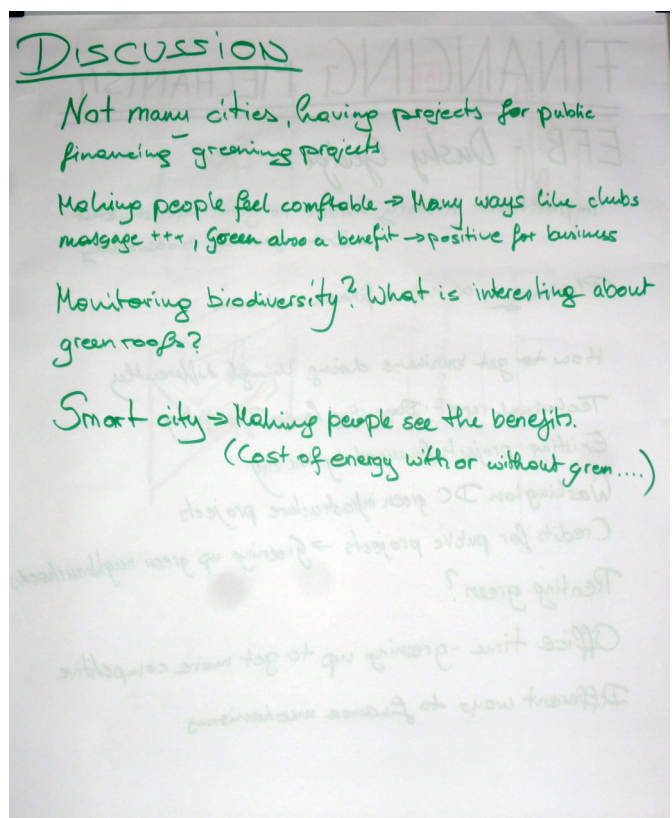
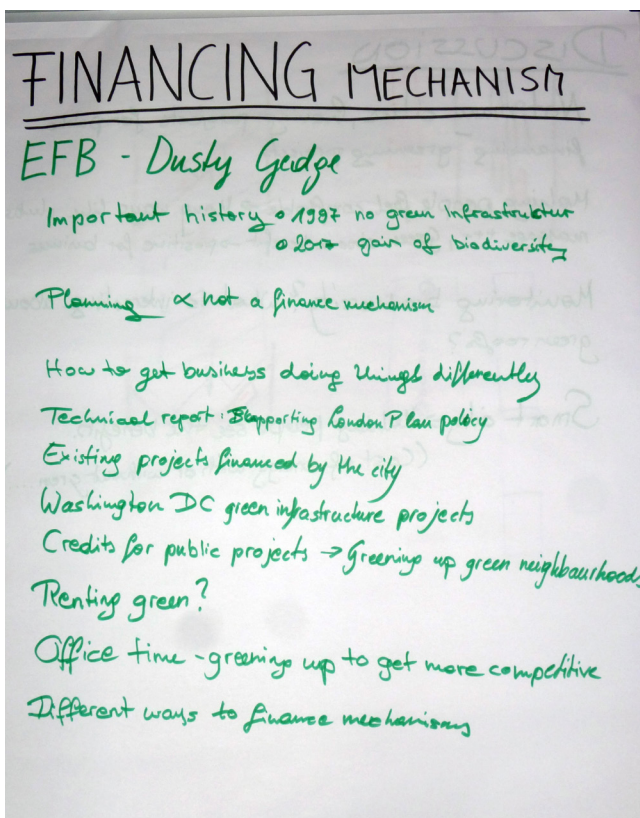
EFB | Dusty Gedges

The European Federation of Green Roof Association was founded by Austria, Germany, Switzerland in 1997. Now there exist 16 member associations. The members actively promote the use of green roofs and green facades throughout Europe.

Dusty Gedges gave several best practice examples of new financing models such as split water fees oder governmental/municipal funding oder incentive programs.

Renting green as well is one of a possible financing model for the future in his opinion.

The discussion showed that there are still only a few cities having public financed greening projects and that there is a urgent need of more communication of the benefits of 'the green'. It's necessary to making people see the benefits, e.g. the costs of energy with or without green...





HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 1st May 2017

Session: *Planning Mechanisms - Dusky Gudge*

Working Group Title: *Planning Mechanisms*

Moderator/ie: *Dusky Gudge (EPF)*

Participants: *[blank]*

PROJECT FACTS

1997-2017 from 'NO GI' to 'business drive for net gain of green space'

CHALLENGES

*'planning' does not cover existing
can you 'net' GI?
can you express 'metrics' for GI? Real time monitoring*

LESSONS LEARNED

*most councils think GI is mostly a 'waste' problem
Liz/Basil believe it's a quality of life
'creating a culture'*

NEXT STEPS

*GI = Public good, what if it's private good?
business who provide GI will receive payment in the future*

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 725448

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 1st May 2017

Session: *Planning Mechanisms - Urban Green Infrastructure*

Working Group Title: *Planning Mechanisms*

Moderator/ie: *Dusky Gudge (EPF) - not an expert!*

Participants: *[blank]*

PROJECT FACTS

*history - 1997 no green belt - now 'net gain' of biodiversity
planning = financial mechanism - don't cover the existing
GI - full green cities have GI outcomes - may be to do it
10% focused on water treatment*

CHALLENGES

*planning doesn't cover the reality, so financial mechanism
how do we finance it?*

*GI = lots of benefits - lots of firms misperceptions
GI paid for by statutory fees
not by market*

LESSONS LEARNED

*GI markets - unbundling GI credit (public + private)
GI markets - unbundling GI credit (public + private)
GI markets - unbundling GI credit (public + private)
GI markets - unbundling GI credit (public + private)
GI markets - unbundling GI credit (public + private)*

NEXT STEPS

*GI markets - unbundling GI credit (public + private)
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GI markets - unbundling GI credit (public + private)*

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 725448

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 1st May 2017

Session: *Financing Mechanisms*

Working Group Title: *Financing Mechanisms*

Moderator/ie: *Dusky Gudge (EPF)*

Participants: *[blank]*

PROJECT FACTS

*Public + Private Sector -> GI - variable credit for GI - green infrastructure
How green infrastructure for water
Can you rent green infrastructure
Funding for environmental impact (biodiversity, flood protection)
one solution is not enough - (long term market value)
for benefit of decision to place, time, location*

CHALLENGES

*Financial mechanism for putting all GI in London?
How? -> there is no money for this
GI is a company - green infrastructure is a value for the
business (value for the worker)
to show the value of green infrastructure in numbers*

LESSONS LEARNED

*Business and City deliver GI by green infrastructure
because of the premium for GI - money, green quality,
- Homes with green are sold faster (premium)
- Companies / Cities are sold faster (premium)
- money for projects increases in cost
that have been in some cases*

NEXT STEPS

we have to find new innovative ways to value our water

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 725448

3.3 Governance

Governance is one of the key factors for the success of NBS. If important stakeholders from governments and municipalities as well as privates act in concert a lot can be achieved.

3.3.1 Key Presentations Governance

Isabel Wieshofer (MA18) presented the urban strategy plan for Vienna 'STEP 2025'. One of the key statements of the plan is the augmentation of life-quality when connecting green and open space.

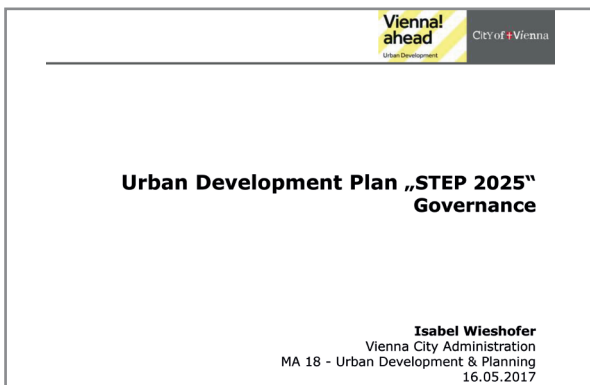
Jürgen Preiss (MA22) introduced the Urban Heat Island Strategyplan for Vienna to the audience. The strategy plan on Urban Heat Island provides lots of data and lists numerous activities to avoid Urban Heat Islands in Vienna.



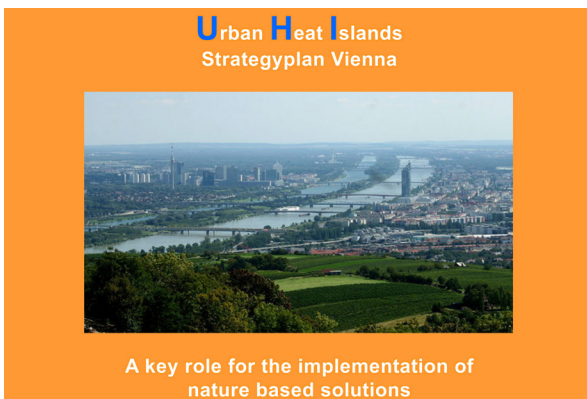
Isabel Wieshofer | MA 18



Jürgen Preiss | MA 18



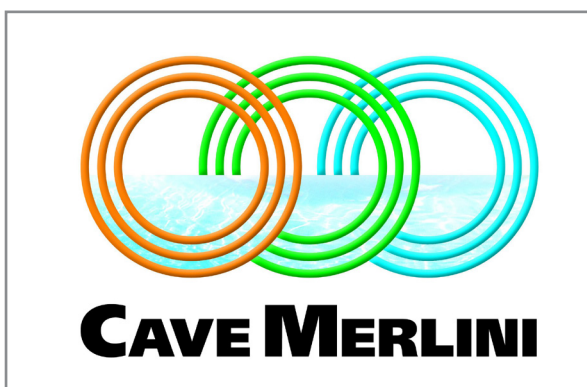
Isabel Wieshofer | MA 18
Urban Development Plan ‘STEP 2025’



Jürgen Preiss | MA 18
Urban Heat Islands Strategy Plan Vienna

3.3.2 Story Corner Governance

In the thematic field of Governance Roberto Donati gave an overview of a city development project in Milano as well as of one project on local scale. Miklós Oláh presented a project in Szeged. Eylem Kocak and Tunga Köroglu introduced the Bademlidere project in the city of Ankara to the audience and Jürgen Preiss explained the situation in Vienna.



Milano | Roberto Donati



Szeged | Miklós Oláh

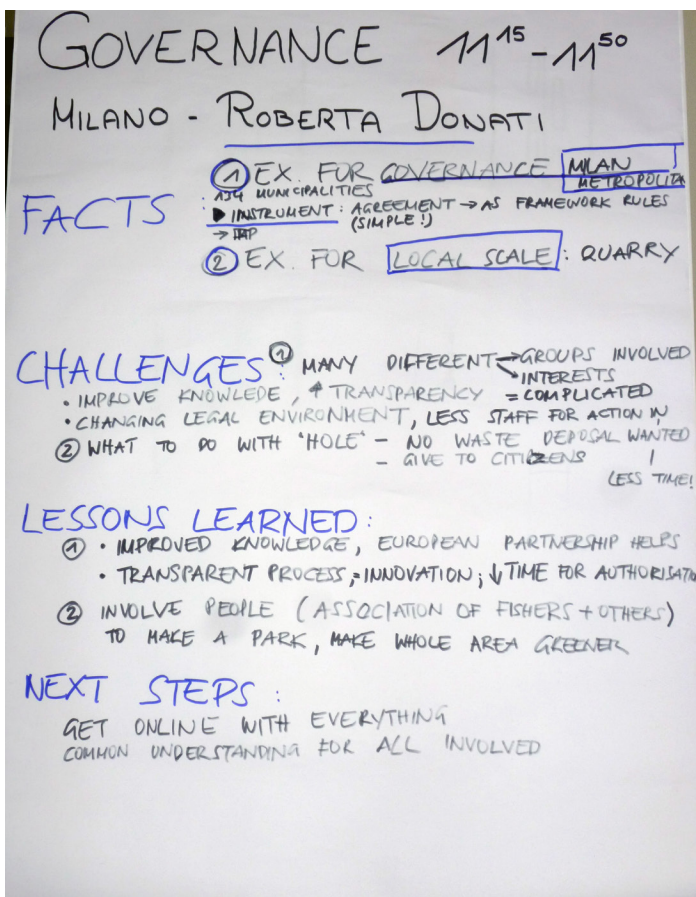


Çankaya | Eylem Koçak, Tunga Köroglu



Vienna | Jürgen Preiss

Milano | Roberto Donati



Roberto Donati gave two examples:

1. Example for Governance: Milan Metropolitan - 134 municipalities involved
2. Example on local scale: Quarry

Challenges:

- Many different groups are involved
- Improvement of knowledge, transparency = complicated
- Changing legal environment

Lessons learned:

- Improved knowledge, European partnership helps
- transparency of the whole process
- involvement of people

Next steps:

- get online
- common understanding for all involved



HARVEST SHEET GREEN 4 CITIES NATL 4 CITIES

DATE: 16th May 2017

Session: *Milano Governance*
 Working Group Title: *Cava Nosed*
 Moderator:
 Participants:

PROJECT FACTS

Agreement w/ all stakeholders in 134 public meetings; MAXIMUM EFFORT process review; digitalisation and transparency imposed as well

CHALLENGES

Many different groups involved

LESSONS LEARNED

Need for access

NEXT STEPS

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 720468

Milano

Szeged

HARVEST SHEET GREEN 4 CITIES NATL 4 CITIES

DATE: 16th May 2017

Session: *GOVERNANCE*
 Working Group Title: *Szeged*
 Moderator: *Miklós Oláh*
 Participants:

PROJECT FACTS

Experience of city development in Szeged. Use gained experience in other projects. Szeged was completely destroyed during flood - Rebuilt special city structure (avenues, boulevards). EU-funding: 85% 116 Mill.€

CHALLENGES

manage high traffic in city - new high way (city border) create positive aspects cyclist PT-connection - shorter travel times PT-lane in the middle of the street improvement for pedestrians/cyclists (cyclist ratio) costs: 10% administrative problems - planning time

LESSONS LEARNED

the more detailed the plan is the higher the costs better to concentrate work in summer time (deadlines)

NEXT STEPS

reference projects (e.g. Istanbul) compare modelling traffic simulations for next project should be done earlier before (detailed) planning/authorization

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 720468

Szeged | Miklós Oláh

City development project

Project facts:

- get & share experience in city development
- special city structure - avenues and boulevards

Challenges:

- manage problems of the inner city - traffic!
- transit - there is a new highway build at the city border
- implement better PT connections
- improvement for pedestrians/cyclists
- PT lane in the middle of the road

Lessons learned:

- The more detail in planning, the higher the costs
- Deadlines: concentrate work in summer

Next steps:

- Consider reference projects (e.g. Istanbul)
- A better modelling/simulation in an earlier planning phase

GOVERNANCE
 Szeged - MIKLÓS

PROJECT FACTS:

- get & share experience in city development
- special city structure - avenues & boulevards

CHALLENGES:

- manage problems of inner-city traffic/transit (new highway built at city border)
- implement better PT-connections (shorter travel times)
- PT lane in the middle of the road

LESSONS LEARNED:

- The more details in planning, the higher the costs.
- deadlines: concentrate work in summer

NEXT STEPS:

- reference projects (e.g. Istanbul)
- future: modelling/simulations better done in an earlier planning phase

ULSUS more than simple paper



Çankaya | Eylem Koçak, Tunga Köroglu

Bademlidere Project

Creation of a 68ha natural area for Ankara's citizens using only natural materials and natural solutions (e.g. solar panels, stormwater management, green roof education center,...).

Goals:

- recreation of original habitats + vegetation
- implement existing structures
- cause awareness
- open to public + protect nature

Investment: about 3 Mio. \$

GOVERNANCE 11¹⁵ - 11⁵⁰
 Çankaya - Eylem Koçak, Tunga Köroglu

Bademlidere Project
 68ha natural area → Why?
 ↓
 Nature based solutions → Protect flora & fauna
 Recreation
 Solar panels
 Green roof-education center
 Storm-water treatment

Goals - re-creation of original habitats + vegetation
 - implement existing structures
 - open to public + protect nature

Investment: project part by part \$3 Mio. \$

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 10th May 2017
 Session: ÇANKAYA
 Working Group Title: Bademlidere Project
 Moderator: Eylem Koçak
 Participants: Tunga Köroglu

PROJECT FACTS
 - create a natural area in the city - use natural materials
 - 68ha of natural area
 - create a natural area in the city - use natural materials
 - 68ha of natural area

CHALLENGES
 - create a natural area in the city - use natural materials
 - 68ha of natural area

LESSONS LEARNED
 - create a natural area in the city - use natural materials
 - 68ha of natural area

NEXT STEPS

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 10th May 2017
 Session: ÇANKAYA (Friday)
 Working Group Title: Bademlidere Project
 Moderator: Eylem Koçak
 Participants: Tunga Köroglu

PROJECT FACTS
 - create a natural area in the city - use natural materials
 - 68ha of natural area

CHALLENGES
 - create a natural area in the city - use natural materials
 - 68ha of natural area

LESSONS LEARNED
 - create a natural area in the city - use natural materials
 - 68ha of natural area

NEXT STEPS

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 10th May 2017
 Session: ÇANKAYA
 Working Group Title: Bademlidere Project
 Moderator: Eylem Koçak
 Participants: Tunga Köroglu

PROJECT FACTS
 - create a natural area in the city - use natural materials
 - 68ha of natural area

CHALLENGES
 - create a natural area in the city - use natural materials
 - 68ha of natural area

LESSONS LEARNED

NEXT STEPS

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 10th May 2017
 Session: ÇANKAYA, BADEMLIDERE
 Working Group Title: Bademlidere Project
 Moderator: Eylem Koçak
 Participants: Tunga Köroglu

PROJECT FACTS
 - create a natural area in the city - use natural materials
 - 68ha of natural area

CHALLENGES
 - create a natural area in the city - use natural materials
 - 68ha of natural area

LESSONS LEARNED

NEXT STEPS

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 10th May 2017
 Session: ÇANKAYA
 Working Group Title: BADEMLIDERE PROJECT
 Moderator: Eylem Koçak
 Participants: Tunga Köroglu

PROJECT FACTS
 - create a natural area in the city - use natural materials
 - 68ha of natural area

CHALLENGES
 - create a natural area in the city - use natural materials
 - 68ha of natural area

LESSONS LEARNED

NEXT STEPS
 Start actions to open to public in 1 year



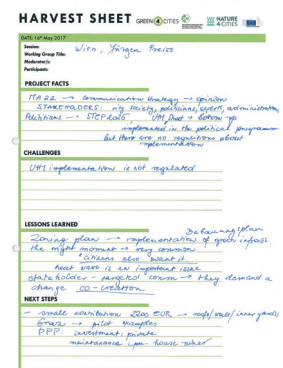
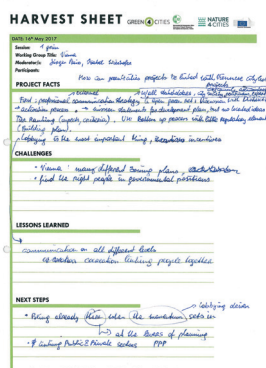
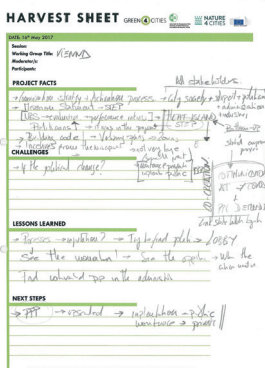
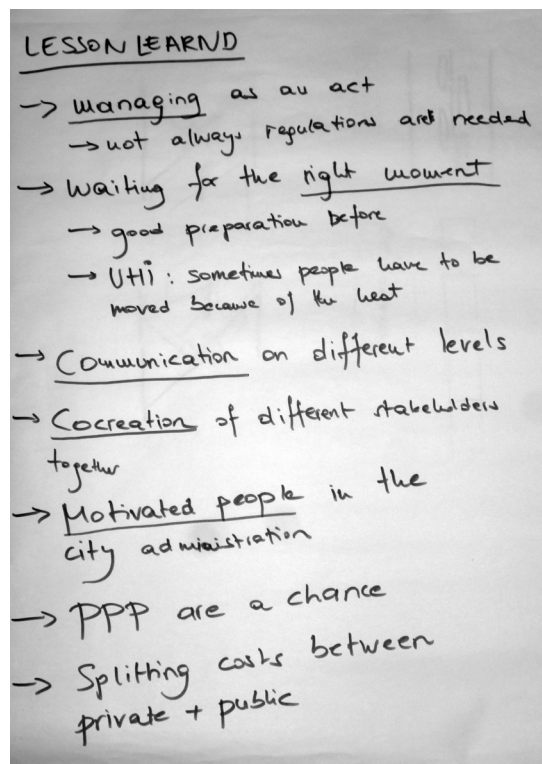
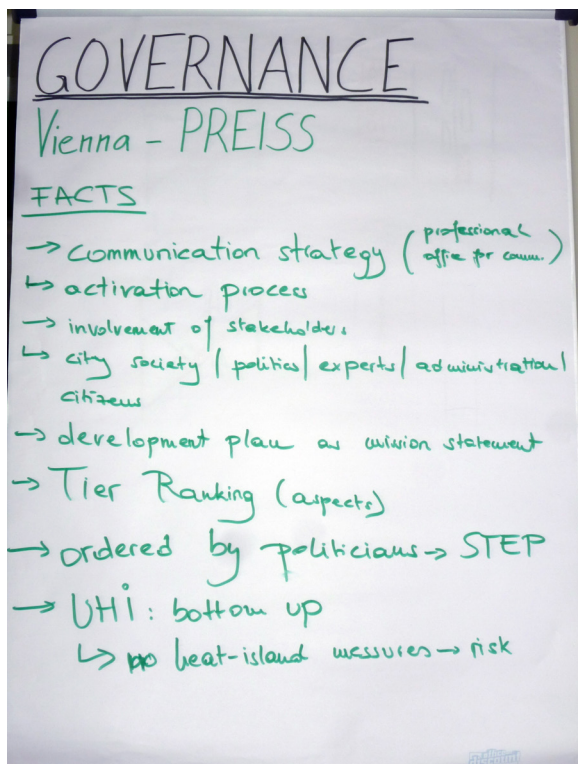
Vienna | Jürgen Preiss

Facts:

In Vienna exists a development plan as a mission statement. It includes a professional communication strategy and can be seen as an activation process. Several stakeholders are involved in the process. The urban strategy plan for 2025 (STEP) is ordered by politicians, means top-down. In contrast the Urban Heat Island Strategyplan for Vienna (UHI) that is based on a bottom-up incentive.

Lessons learned:

- managing as an act - regulations are not always needed
- waiting for the right moment - good preparation before!
- communication on different levels
- cocreation of different stakeholders together
- there are lot's of motivated people in the city administration
- Public-Private-Partnerships are a chance - splitting costs



3.4 Neighborhood

In the neighborhood a lot can be done: urban gardening projects, city quarter development projects and lot's of other incentives make an important contribution to the satisfaction of people everyday lifes.

3.4.1 Key Presentation Neighborhood



Christopher Raymond | Landscape Planning Group SLU

Citizen engagement in environmental planning and management;

Insights from Australia, Europe and Canada

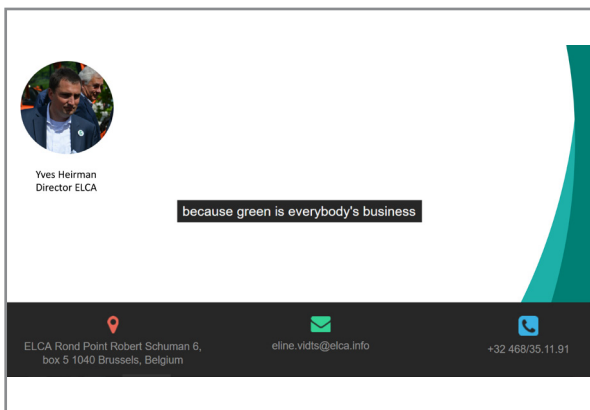
Christopher Raymond presented three international projects with a focus on citizen engagement:

- Lower Hunter region of New South Wales, Australia (PPGIS, paper) - 2012
Combining residents' social values for conservation with those of policymakers and scientists
- City of Helsinki, Finland (PPGIS, online) - 2013
Combining resident's activity preferences, unpleasant experiences and user profiles into an environmental justice index
- City of Winnipeg, Canada (semi-structured interviews) – 2017
Exploring the co-benefits of gardening for biodiversity conservation

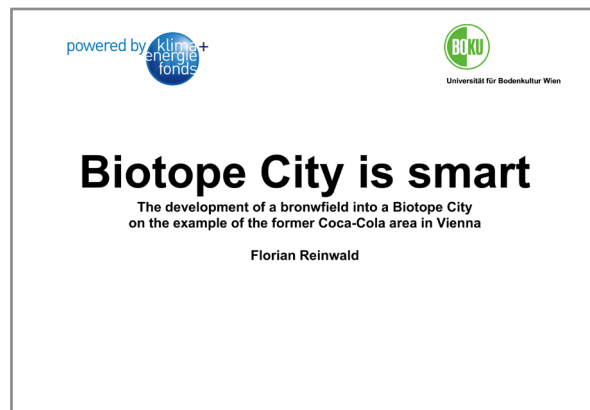


3.4.2 Story Corner Neighborhood

The story corners regarding Neighborhood treated diverse topics: Yves Heirman presented the European Landscape Contractors Association (ELCA). Florian Reinwald reported about a city quarter development project in the South of Vienna. Ester Blaimschein and Simone Rongitsch introduced the KARLSconcept to the audience, that has been the first urban gardening incentive in Vienna. Plante & Cité was presented by Pauline Laille.



ELCA | Yves Heirman



BOKU | Florian Reinwald



KARLS concept | Esther Blaimschein, Simone Rongitsch



Plante & Cité | Pauline Laille



ELCA | Yves Heirman

Yves Heirman presented the European Landscape Contractors Association (ELCA).

Facts:

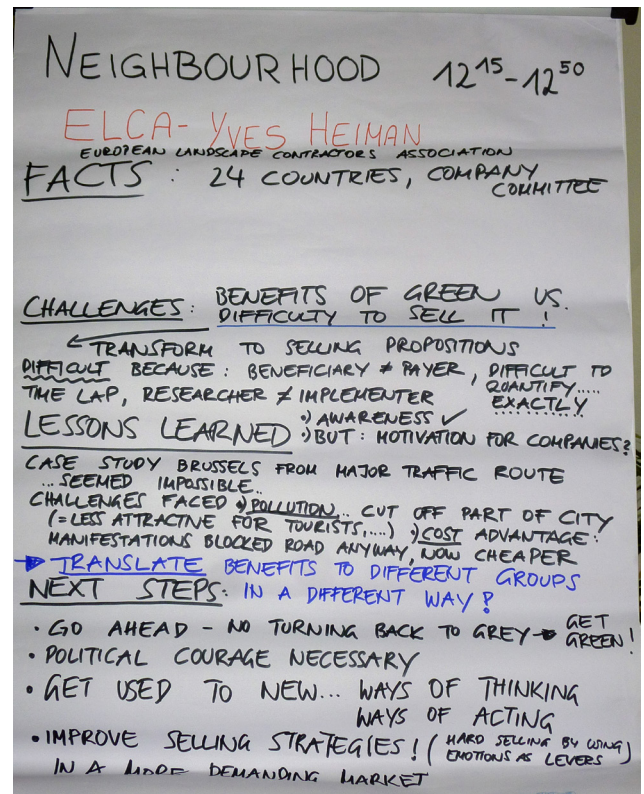
ELCA was founded in 1963 to promote cooperations as well as the exchange of information and experience in Europe. The topics of ELCA are: Green City, Climate Change, Landscape mitigation and flooding, Biosecurity, Soil protection, Invasive species, Green purchasing of Government contracts, Education and training to improve the skills shortage across the EU. Now it counts 24 member countries.

Challenges:

- Benefits of green are difficult to sell because the beneficiary is not necessarily the payer. Moreover its difficult to quantify exactly the worth of NBS-benefits.
- Awareness is needed.
- There is a time-lap between the research and the implementation process.
- It is necessary to translate benefits to different groups in a different way!
- political courage is necessary.

Next steps

- Go ahead - no turning back to grey
- Get used to new ways of thinking, acting,...
- improve selling strategies!!!



HARVEST SHEET GREEN 4 CITIES

DATE: 14th May 2017
 Session: NATURE 4 CITIES
 Working Group Title: Implementing of
 Moderator(s): Yves Heirman (economics) - ELCA
 Participants:

PROJECT FACTS
 Brussels - one of the most vocal needs - how to give it back to the people
 cut it off and use green infrastructure

CHALLENGES
 selling to open sectors? how?
 companies think in terms of costs and money
 disadvantage of a city
 by word people couldn't cross your point was doing
 people like to make demonstration! - it was blocked every week

LESSONS LEARNED
 traffic open - no pollution
 people didn't realise costs - you can demonstrate now
 they had to see it to be ready before the election

NEXT STEPS
 make it specific
 using the other as one point of view - groups
 asking you how to play on emotions - taking away fear

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 725449

HARVEST SHEET GREEN 4 CITIES

DATE: 14th May 2017
 Session: YVES HEIRMAN, ELCA
 Working Group Title: ELCA
 Moderator(s):
 Participants: 4

PROJECT FACTS
 Green - selling green sectors is difficult - awareness opportunity ahead
 Unique, environmental proposition - branding strategies
 → formulation of business proposals to local offices?
 Lando - sp. of people

CHALLENGES
 3) D. opposing interest, beneficiary is not the investor, hard to quantify
 unique, environmental proposition - branding strategies
 → formulation of business proposals to local offices?
 → more value proposition needed
 4) stakeholders - hard to understand → hard to communicate
 players: other Companies, environmentalists, developers and local

LESSONS LEARNED
 change is possible:
 - case from Brussels - learn within N-5 connection
 → give it back to the people - futuristic central developed area for
 containment of traffic - they thought to be impossible, but
 was implemented, connection was cut off.
 People were happy with that! Position situation
 improved infrastructure

NEXT STEPS
 Help plan - even possible for implementation green infrastructure
 Green infrastructure is a problem solver in hard cases,
 not just a phytosociologic fact
 where did the cars go? → took other way (ringroad), use of
 public transport improved, more pedestrian traffic.
 still selling!

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 725449



BOKU | Florian Reinwald

Florian Reinwald introduced the Biotope City project to the audience. Biotope City is an interdisciplinary urban planning project in the south of Vienna with focus on NBS such as green facades, green roofs, storm-water management, ...

Facts:

- trans-disciplinary team
- idea goes back to the famous architect Harry Glück
- huge area - former Coca Cola factory
- development of urban concept
- all participants in the project had to sign the masterplan
- even reuse of former greenroof

Challenges:

- every level of planning process is very important
- keep the high quality from the beginning - quality management
- discussion process
- legal and process-related restrictions
- open technical questions
- find new solutions

Discussion

- participation in a developing project is very difficult - efforts to force a quarter management were done, because its important that people maintain the green infrastructure
- there is a mission statement on participation in Vienna - but it's not obligatory
- now it's the crucial phase between planning and tendering
- green infrastructure gets more and more important to developers
- important to show the value of green infrastructure

PROJECT FACT

- transdisciplinary team
- idea goes back to Harry Glück
 - Biotope city concept
 - Set of criteria
- situated former Coca Cola area
- development of urban concept
- all participants in the project had to sign the masterplan
- reuse of greenroof

KEY CHALLENGES

- every level of planning process is very important
- keep the high quality from the beginning
- discussion processes
- quality management
- legal & process related restrictions
- open technical questions
- find new solutions

DISCUSSION

- participation in a developing projects very difficult
 - tried to force quarter management
 - important that people maintain the green infrastructure
- there is a mission statement on participation in Vienna → but not obligatory
- now crucial phase between planning and tendering
- green infrastructure gets more and more important to developers
- show the value of green infrastr.



HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 14th May 2017
 Session: WIMMELHOLZ
 Working Group Title: "Wimwelle City is smart - smart" Florian Reinwald
 Moderator:
 Participants:

PROJECT FACTS

Cooperation -> smart -> smart city (urban)
 -> smart city = smart city (urban)
 -> smart city = smart city (urban)
 -> smart city = smart city (urban)
 -> smart city = smart city (urban)

CHALLENGES

How to make the process? -> not enough time
 need of planning team -> general design for smart city
 scope of area
 E: scope of year to implement

LESSONS LEARNED

1. Participation -> smart -> smart city

NEXT STEPS

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 14th May 2017
 Session: BiotopCity is Smart
 Working Group Title: BiotopCity is Smart
 Moderator:
 Participants:

PROJECT FACTS

Individual idea -> BiotopCity
 -> participatory process -> participatory planning
 -> local -> local
 -> BiotopCity -> BiotopCity

CHALLENGES

1. Local participatory process -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

LESSONS LEARNED

1. Participatory process -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

NEXT STEPS

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 14th May 2017
 Session: CIVICUS ENDEAVOUR
 Working Group Title: CIVICUS ENDEAVOUR
 Moderator: Florian Reinwald
 Participants: DAMEL, RUDOLPH

PROJECT FACTS

8 companies -> Area and land right issue
 6 weeks -> 6 weeks -> 6 weeks
 All planning -> All planning

CHALLENGES

Complexity
 Legal restrictions
 Municipalities
 Technical issues
 Cost and time constraints

LESSONS LEARNED

1. Participation -> smart -> smart city

NEXT STEPS

-> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 14th May 2017
 Session: BiotopCity is Smart
 Working Group Title: BiotopCity is Smart
 Moderator:
 Participants:

PROJECT FACTS

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

CHALLENGES

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

LESSONS LEARNED

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

NEXT STEPS

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 14th May 2017
 Session: CIVICUS ENDEAVOUR
 Working Group Title: CIVICUS ENDEAVOUR
 Moderator: Florian Reinwald
 Participants:

PROJECT FACTS

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

CHALLENGES

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

LESSONS LEARNED

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

NEXT STEPS

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 14th May 2017
 Session: CIVICUS ENDEAVOUR
 Working Group Title: CIVICUS ENDEAVOUR
 Moderator: Florian Reinwald
 Participants:

PROJECT FACTS

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

CHALLENGES

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

LESSONS LEARNED

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity

NEXT STEPS

1. BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity
 -> BiotopCity -> BiotopCity



KARLS concept | Esther Blaimschein, Simone Rongitsch

Karls Garden was the first urban gardening project in Vienna, Austria 2009 - now there are over 70 urban gardens.

NEIGHBOURHOOD
 Karls ~~concept~~ - **BLAIMSCHIEIN, RONGITSCH**
 Urban gardening - farming
 2009 first urban garden
 2017 70-projects (Vienna)

La Huerta (Buenos Aires)	Karls Garden (Vienna)
Masterplan → different areas, rooftops...	First urban-gardening project
Starts 2012 → 2017 over 12.000 m ²	Difficult to implement
People were poor, high crime rate at start	Many public events + festival
↓	Space for doing researches
Now crime rate decreased, people grow their own food, strong community	Only volunteers → no rentable spaces
Government provides seeds	Sponsors provide money → Non-profit project
	Problems - homeless people sleeping here → program started to find places to sleep
	- waste → get rid of it themselves
	18 fruit trees

Facts:

- first urban gardening project - difficult to implement
- now: many public events + festivals
- space for doing research
- there are no rentable spaces - only volunteers
- sponsors provide money - non-profit project
- 18 fruit trees
- very interesting as a model: La Huerta (Buenos Aires) - urban gardening also can be top down: there is a masterplan for different areas, rooftops, ..., 1,2ha - high crime rate at the start - now crime rate decreased, strong community, government provides seeds

Challenges:

- homeless people started to find places to sleep
- waste

Lessons learned:

- the fundraising video is too long and repetitive
- economic activities are not allowed
- you don't need a lot of money, but a lot of time

HARVEST SHEET GREEN@CITIES NATURE 4 CITIES

DATE: 10th May 2017

Location: Urban Gardening, The Green Hub in Vienna

Masterplan: Blaimschein/Rongitsch

Participants: 2-3 people

PROJECT FACTS

2009 first urban garden - 2017 70 projects

Some social language around the topic

La Huerta Urban Research Garden - Workshop about garden

Cooperation with universities, research in public change

CHALLENGES

lack of government support (water disposal from others) - access but not at all

lack of government support (water disposal from others) - access but not at all

LESSONS LEARNED

Planning process - how to get people self-organizing

How to get people self-organizing

NEXT STEPS

Not a hand to you more fruit trees (will be more than 100)

How to get people self-organizing

HARVEST SHEET GREEN@CITIES NATURE 4 CITIES

DATE: 10th May 2017

Location: Urban Gardening, The Green Hub in Vienna

Masterplan: Blaimschein/Rongitsch

Participants: 2-3 people

PROJECT FACTS

2009 first urban garden - 2017 70 projects

Some social language around the topic

La Huerta Urban Research Garden - Workshop about garden

Cooperation with universities, research in public change

CHALLENGES

lack of government support (water disposal from others) - access but not at all

lack of government support (water disposal from others) - access but not at all

LESSONS LEARNED

Planning process - how to get people self-organizing

How to get people self-organizing

NEXT STEPS

Not a hand to you more fruit trees (will be more than 100)

How to get people self-organizing

HARVEST SHEET GREEN@CITIES NATURE 4 CITIES

DATE: 10th May 2017

Location: Urban Gardening, The Green Hub in Vienna

Masterplan: Blaimschein/Rongitsch

Participants: 2-3 people

PROJECT FACTS

2009 first urban garden - 2017 70 projects

Some social language around the topic

La Huerta Urban Research Garden - Workshop about garden

Cooperation with universities, research in public change

CHALLENGES

lack of government support (water disposal from others) - access but not at all

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LESSONS LEARNED

Planning process - how to get people self-organizing

How to get people self-organizing

NEXT STEPS

Not a hand to you more fruit trees (will be more than 100)

How to get people self-organizing

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How to get people self-organizing



Plante & Cité| Pauline Laille

NEIGHBOURHOOD
Plante et cite - LAILLE

PROJECT FACTS: Study Rooftops under real conditions!
MONITORING + PARTICIPATION (2009 1 Mio m² Greenroofs)
BIODIVERSITY! ON GREEN ROOFS

QUESTION: WHICH PLANTS FOR EXTENSIVE ROOF TOPS?

- Research: 2009-2014 - 18 Roof Protocols Specialists
- COOPERATION → 3-5 Workshops/yr
- COMMUNICATION → Results open for all
- 2016 OPEN TO INDIVIDUALS

CHALLENGES:

- DIFFERENT CONDITIONS - WHICH PLANTS?
- CLIMATE IS CHANGING
- FINDING PERSONS WHO COLLECT THE DATA (WITH KNOWLEDGE AND TRUST OF OWNER)
- CHANGE TO DIGITAL COLLECT & STORE OF DATA
- ENOUGH DATA?

NEXT STEPS?

- CHANGE HOW THINGS ARE DELIVERED → PROFESSIONALS
- INVASIVE SPECIES → INDUSTRY
- BIOINDICATORS
- CONSTRUCTION & PLANNING OF GREEN ROOFS CHANGED AND SO DOES THIS PROJECT

GREEN ROOF IS NO BUILDING IT IS ECOSYSTEM → CHANGE OF VIEW

Now 70 Projects

Now EXTENDED TO ALL ROOFTOPS (also intensive green)

Data → museum Paris for Nature topics

Project facts:

- research on rooftops under real conditions
- monitoring + participation
- 2009 they counted 1 Mio square meters of greenroofs
- The big question is which plants are suitable for extensive rooftops...
- 2008-2014: training of 18 roof top specialists
- cooperation: 3-5 Workshops/year
- communication: results are open to all

Challenges:

- different conditions depending on the plant
- climate change
- finding persons who collect the data
- how much data is enough?

Lessons learned:

- involve greenroof experts to the monitoring
- partnerships with professionals

Next steps:

- change how things are delivered to professionals and the industry
- research on invasive species
- research on bio-indicators
- construction & planning of green roofs is constantly changing and so does this project

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 16th May 2017
 Session: Neighbourhoods
 Working Group Title: Plante Cité
 Moderator/c: Pauline Laille
 Participants:

PROJECT FACTS

Citizen Science
 Acc. but
 → after 2009 → 1m² green roofs
 Next time better
 need more
 big new arguments - individual

CHALLENGES

How to get data - 2009 - 2014
 Put plants on roofs - and how were they
 done
 → transition phase
 18 roofs - where?
 test - train team to collect data

LESSONS LEARNED

INVOLVE Green Roof Professionals
 TO MONITOR →
 PARTNERSHIPS WITH PROFESSIONALS

NEXT STEPS

2015 - National Lab → Individual
 Areas
 Reach wider Audience
 Reach 100 green roofs
 Get enough data - first analysis first
 Principles
 2017 - Fort. →

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723664

HARVEST SHEET GREEN 4 CITIES NATURE 4 CITIES

DATE: 16th May 2017
 Session: Plante et Cité - Laille
 Working Group Title: Plante Cité
 Moderator/c: Pauline Laille
 Participants: Participative Research in green roof monitoring
 Urban Science

PROJECT FACTS

participating research - citizen science, accessible program, clear objectives, network building, green roof-top monitoring, citizen science, how to involve plant professionals in rooftop greening, collaborative workshops, professionals & citizens, 2008-2014, first national observatory - contribute

CHALLENGES

the plants under conditions?
 Why use participative science to find? (technical aspects, depth of site, involvement of citizens, how things develop, partnerships, change of education, enough data?)

LESSONS LEARNED

scientific elaboration
 low budget in situ
 identify main stakeholders
 scientific - new objective - 100 protocols → continue to pilot
 workshops - citizen science
 give regular feedback, organize training, try to take individual owners, can contribute to work, not only profession

NEXT STEPS

only on rooftops - poor data
 allow users to store data
 biodiversity on green roofs
 bioindicators

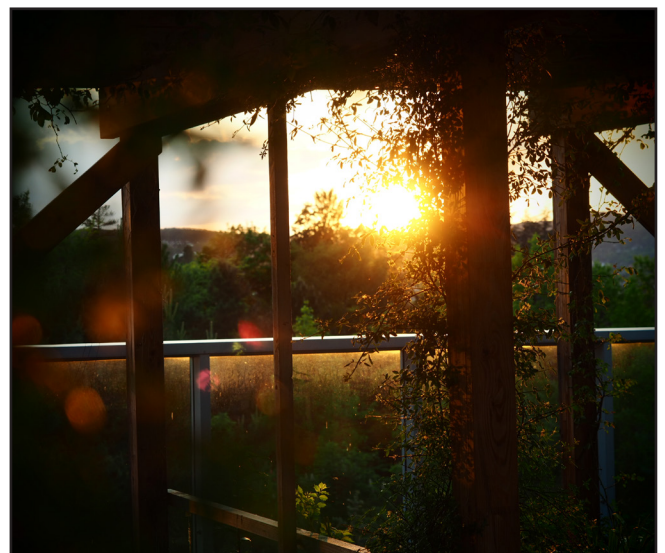
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3 Executive Summary

At the community building day of Nature4Cities a lot of good practice examples were collected and there was a lot of space for interdisciplinary exchange between experts in the field of NBS. It showed that the implementation of NBS in the daily urban routine needs several different approaches and knowhow. The governance top down is as important as the neighborhood bottom up and it's crucial that the benefits of NBS are made visible and are attributed a monetary value by cities, by planners and citizens. However, all possibilities to finance NBS and green infrastructure should be captured, e.g. crowdfunding platforms. In this phase of the implementation of NBS it is required to keep up communication strings and continue to install knowledge platforms to exchange data and successful implementing strategies. The community building day were one step in that direction.

Some more impressions...





4 Conclusion

Nature-Based Solutions (NBS) are not only a necessary alternative for conventional solutions but also need a new governance approach. Moreover, the implementation of NBS in daily urban routine needs a change of mindset. To reach this goal a group of people who are multipliers for NBS needs to be formed. Community building days are very important to bring together people from divergent backgrounds who operate in the field of NBS. It's crucial for the success of the implementation of NBS in modern cities to link people from different sectors (government, industry, education, planning etc.) for developing corporate ideas and visions and create a common platform/communication channel, to explore common financing and governance models as well as ways to involve the neighborhoods in the process. Thus, further community building days have to be organized and a big conference meeting at the end of the project period.



5 Appendix

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Participation List - Nature4Cities General Meeting
15th and 16th May 2017 - Vienna



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