



Buddy System for UNALAB FR and FL Cities

WP6 - Task 6.6
Webinar 24th May 2018
RINA-C



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European
Commission

Horizon 2020
European Union funding
for Research & Innovation

Webinar agenda

- ▶ RECAP about T6.6 and methodology for knowledge transfer
- ▶ Presentation and validation of results from the analysis of NBS to be implemented in FR Cities and ambitions of FL Cities
- ▶ Selection of «Buddies» - first proposal
- ▶ Information about Buddy System ws and «Match making sessions for Buddies» foreseen during the Joint Ambition Workshop on 29th May
- ▶ Presentation of the Buddy Space created by ERRIN on project website

Task 6.6 Buddy System (RINA-C, FHG, VTT, STU, EIN, GEN, TRE, STA, BAS, PRA, CAS, CAN, ESP, PRA, HON, UBA)

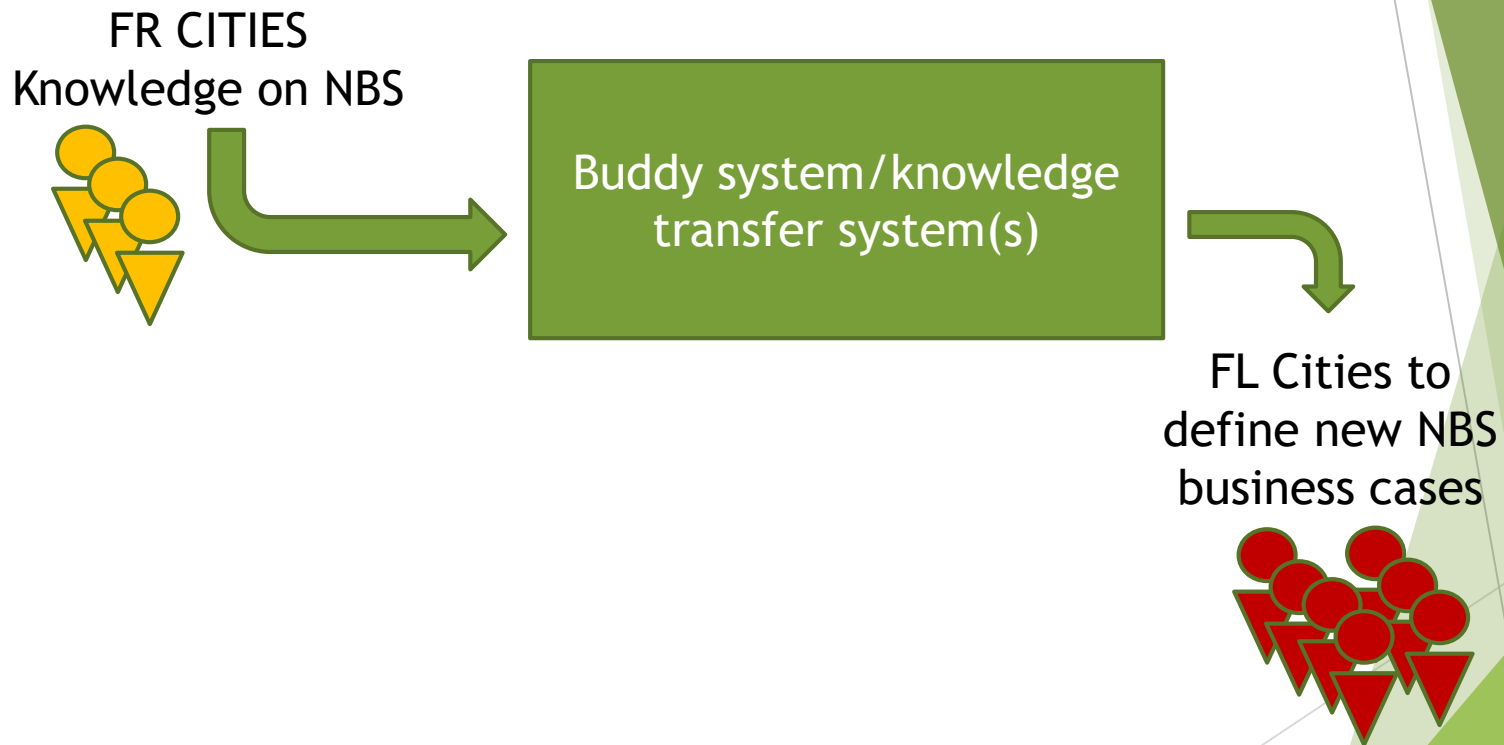


Objective: Develop a system for formal mentoring between front-runner and follower cities to maximize learning and facilitate the sharing of knowledge, ideas and experiences between participating cities.

Key Activities:

- ▶ Develop buddy system structure: Buddies will be selected at the Joint Ambition Workshop (M12)
- ▶ Each front-runner city mentors 1-2 follower cities on the basis of similar framework conditions and interests
- ▶ Co-operate with other SCC02 projects

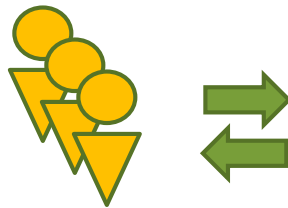
Methodology for knowledge transfer



UNALAB Cities

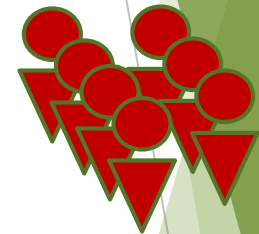
▶ FRONT-RUNNER (FR) CITIES

- ▶ Tampere (FI)
- ▶ Eindhoven (NL)
- ▶ Genoa (IT)



▶ FOLLOWERS (FL) CITIES

- ▶ Prague (CZ)
- ▶ Basakshir (TU)
- ▶ Castellon (ES)
- ▶ Stavanger (NO)
- ▶ Cannes (FR)
- ▶ Buenos Aires (AR)
- ▶ Hong Kong (HK)



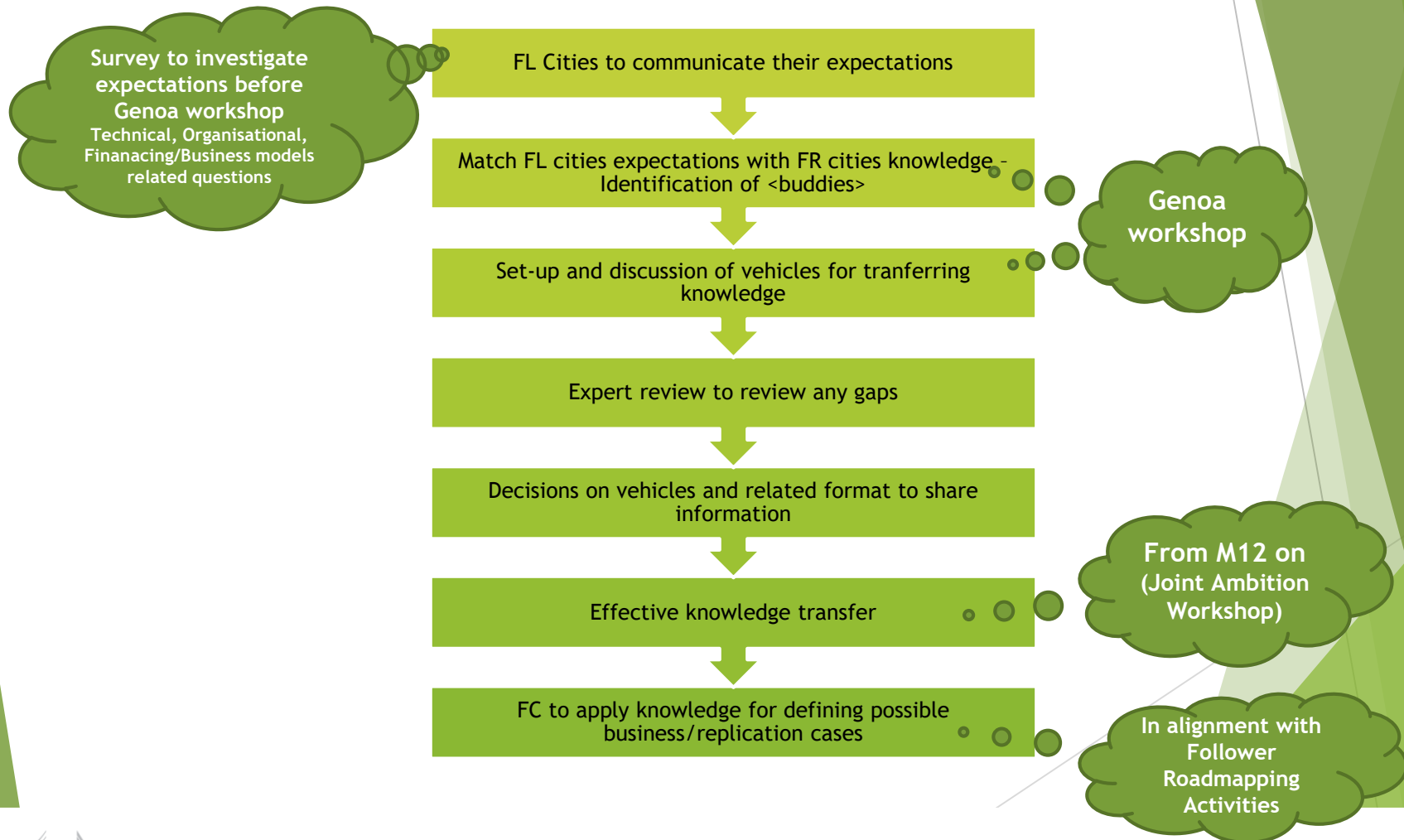
UNALAB CONSORTIUM



▶ OBSERVER CITIES

- ▶ GUANGZHOU
- ▶ BRAZIL CITIES

Methodology for knowledge transfer



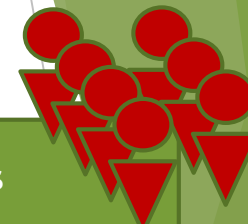
Possible <vehicles> for knowledge transfer

- ▶ Guidelines
- ▶ Section of the **project website** (created by ERRIN T3.1, populated with info by RINA-C) where FR and FL cities could:
 - Interact via forum
 - Download/view relevant material (training material from WP2, recorded webinars, etc.)
- ▶ **Webinars:** After the first project year webinars/interviews organized every 3 months
- ▶ **Periodic interviews performed by FL Cities to FR Cities to obtain information** about project progress, acquired knowledge, relevant background for the organization of roadmap workshops (in alignment with TU/e)

ANALYSIS of available information for FR and FL Cities (M6-M12)



UNALAB NBS in FR Cities



Ambitions of FL Cities



Template for Frontrunner Cities

Collecting information for Deliverable D6.1

“Value Chain Analysis on selected NBS”

26/03/2018

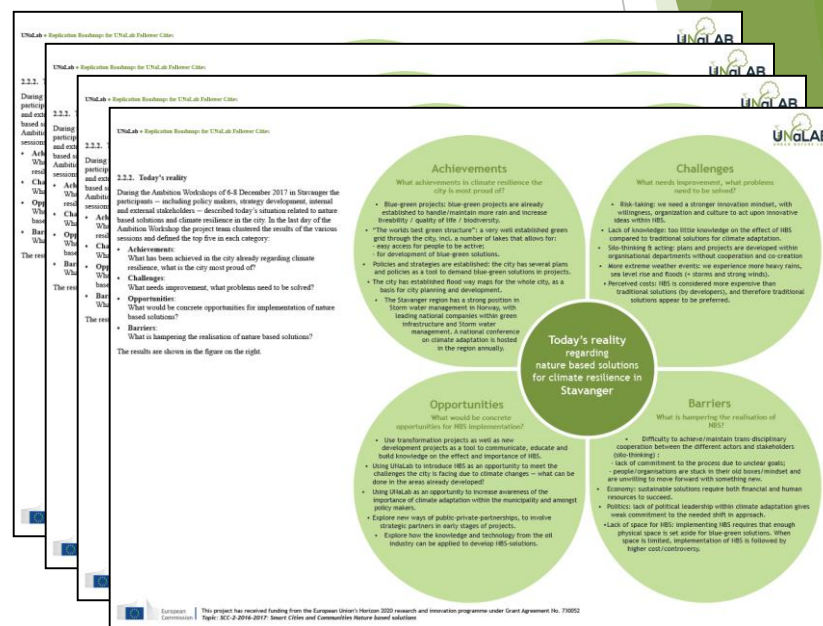
RDA Consulting SpA

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Dissemination level	
PU	Public
CO	Confidential, only for members of the consortium (including the Commission Services)



ANALYSIS of available information for FR and FL Cities (M6-M12)

No.	UNALAB NBS in FR CITIES/AMBITIONS in FC CITIES	SCOPE/IMPACT
1		Water flows management
2		Social connectivity enhancement
3		Increase biodiversity
4		Heat stress mitigation
...		Improve air quality
...		Management of rapid growth/densification

NBS to be implemented in FR CITIES - GENOA



No.	UNALAB NBS	SCOPE/IMPACT
1	Draining flooring (demolition, debris recovery, installation of permeable materials according to the functions of the different areas)	Water flows management
2	Draining game area	Water flows management Social connectivity enhancement
3	Retention systems	Water flows management (storage)
4	Infiltration basins	Water flows management Increase biodiversity
5	Gabions stone Vegetated gabions stone	Water flows management
6	Xerophilous flowered meadow	Water flow management (water saving)
7	Groups of trees	Increase biodiversity Heat stress mitigation Water flow management Improve air quality

NBS to be implemented in FR Cities - TAMPERE



No.	UNALAB NBS	SCOPE/IMPACT
1	NBS for stormwater management and monitoring complementary to existing structures	Water flows management (monitoring NBS functioning in North)
2	Implementation of green roofs/walls	Water flows management (storage and quality) Increase biodiversity Management of rapid growth/densification
3	Biofilters and supplementary NBS (pavements, infiltration swales, rain gardens, etc.)	Water flows management
4	Innovation vouchers to develop “plot-scale” NBS	Social connectivity enhancement Management of rapid growth/densification
5	Pilot-scale NBS to manage storm waters from contaminated site Hiedanranta (former industrial site)	Water flows management (quality)
6	Pilot-scale algae based for urban water management (urine treatment and nutrient recovery)	Water flows management (quality)

NBS to be implemented in FR-Cities - EINDHOVEN



No.	UNALAB NBS	SCOPE/IMPACT
1	Increase green areas	Increase biodiversity
		Heat stress mitigation
		Improve air quality
2	Green roofs and green walls	Water flows management
3	Daylighting watercourses	Increase biodiversity
4	Link of blue and green areas	Increase biodiversity
5	Preparation of water stockage areas	Water flows management

Ambitions of EU FL-Cities



STAVANGER

AMBITIONS	SCOPE/IMPACT
Increase resilience to flooding	Water flows management
Increase green areas and their interconnection to have nature as a structure of the city	Increase biodiversity
Coherent planning to achieve multiple impacts when using NBS	Multiple impacts

CANNES

AMBITIONS	SCOPE/IMPACT
Flooding: flood expansion field, permeable pavements, retention ponds, green roof	Water flow management (stormwater)

PRAGUE

AMBITIONS	SCOPE/IMPACT
Increase and interconnection of green areas	Increase biodiversity Heat stress mitigation
Reduce flooding risk in urban areas	Water flows management
Improve air quality	Improve air quality

CASTELLON

AMBITIONS	SCOPE/IMPACT
Improve water quality and re-use	Water quality and flows management
Flooding, rising sea level, heavy rains,	Water flows management

BASAKSEHIR

AMBITIONS	SCOPE/IMPACT
Flooding: vegetated floodway or swale, reclaimed rain water drainage channels-water ways	Water flows management
Rapid growth/increasing densification: Green infrastructure, renewable energy	Improve air quality Management of rapid growth/densification
Water scarcity: Artificial lakes, rain water storage pools	Water flows management
Water/air pollution: Forestation, planting, renewable energy	Increase biodiversity Improve air quality
Self-sufficient for energy and water	Water flows management
Zero waste	Management of rapid growth/densification

Ambitions of NON-EU FL-Cities



BUENOS AIRES	
AMBITIONS	SCOPE/IMPACT
Flood control and storm water management due to the city's location in a low-lying pampas region with year-round rainfall	Water flows management

HONG KONG	
AMBITIONS	SCOPE/IMPACT
Integration of permeable pavement systems to improve urban drainage and storm water harvesting to allay seasonal water shortages.	Water flows management and storage

«Buddies» Selection First proposal

FR CITIES	FL CITIES
Genova	Cannes Castellon
Tampere	Basaksehir Buenos Aires
Eindhoven	Prague Hong Kong Stavanger

WS dedicated to “BUDDIES” during
JOINT AMBITIONS WS:
Selection of
Buddies & learning concept
29th May 2018, Eindhoven, 12:00 - 13:00

OBJECTIVES






To present the UNALAB program of formal mentoring
between FR and FL cities

To promote discussion among «buddies»

Workshop Agenda

- ▶ **Presentation of workshop objectives (5 minutes)**
- ▶ **Matchmaking sessions for buddies (45 minutes)**
 - ▶ **3 Rounds of 15 minutes for knowledge exchange and mentoring between FR and FL cities + Brainstorming on buddy system**
 - ▶ 5 tables for matchmaking rounds (3 rounds - 15 minutes each) where each FL City will have the possibility to talk with his buddy FR and additional FR/FL cities
 - ▶ In each round the team will discuss following a set of questions/ a poster provided by RINA-C
- ▶ **Workshop wrap-up and next actions (10 minutes)**

Match-making sessions for Buddies







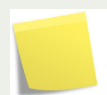
1st Round (15 min)	 GEN- CAN	 EIN- PRA	 TRE- STA	 HK- BAS	 BA- CAS
2nd Round (15 min)	GEN- CAS	EIN- HK	TRE- BAS	CAN- BA	STA- PRA
3rd Round (15 min)	GEN- BAS	EIN- STA	TRE- BA	CAS- PRA	HK- CAN

Match-making sessions FR-FL Cities



- ▶ Follower cities to select at least one relevant NBS among those to be implemented in the FR Cities
- ▶ For selected NBS, discussions about:
 - ▶ Technical and legislative pre-conditions
 - ▶ Actors involved
 - ▶ Costs and financing
 - ▶ Barriers

Example of poster to collect info during the match making sessions














	Technical and legislative pre-conditions		Actors involved		Costs and financing		Barriers Technical, Organisational, Financing/Business models	
	FR City	FL City	FR City	FL City	FR City	FL City	FR City	FL City
NBS #1								
NBS #2								

Matchmaking sessions FOLLOWER Cities



- ▶ Identification of relevant topics to be:
 - ▶ Discussed within the forum available on buddy space on project website
 - ▶ Presented in future webinars

Example of poster to collect info during the match making sessions

Water flow management	Social connectivity enhancement	Increase biodiversity	Heat stress mitigation	Improve air quality	Management of rapid growth/densification	Non-technical topics (organization of co-creation ws, business model, etc)
  	 		 	 		 

BUDDY SYSTEM for UNALAB CITIES on project website



EINDHOVEN

Eindhoven is one of the five largest cities in The Netherlands and is facing serious challenges due to rapid population growth.

LEARN MORE →

<https://unalab.eu/buddyspace>

Thank you for your attention
and see you in Eindhoven!