



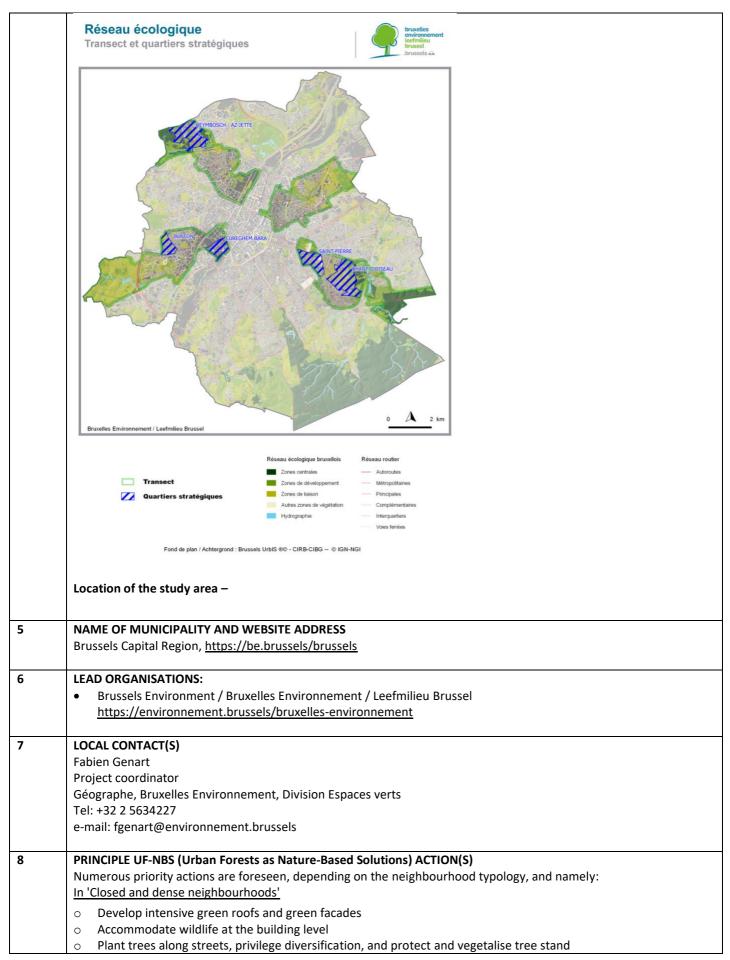
## **ENHANCING BRUSSELS ECOLOGICAL NETWORK – BELGIUM**

Section	CLEARINGHOUSE 中欧城市森林应对方案 This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 821242
1	TITLE OF CASE STUDY AREA: Reinforcement du Réseau écologique bruxellois (REB), Brussels, Belgium
2	<b>INTRODUCTION</b> "Reinforcement Réseau écologique bruxellois" (REB - EN: Enhancing Brussels Ecological Network) is a project aiming to reconnect green spaces and develop biodiversity, nature and the quality of life in the city. The project is led by the regional agency for the environment, working with public actors, associations and citizens in five neighbourhoods, representing Brussels urban diversity, to develop local strategies to enhance the regional ecological connectivity (i.e. green network - maillage vert). In each of the neighbourhood, a diagnostic study will be carried out, in consultation with local stakeholders, in order to define objectives, projects and carry out innovative developments with an ecological vocation. The local strategies will lead to the development of concrete projects and will offer lessons and inspiration to neighbourhoods with similar characteristics.
3	KEY FACTS AND FIGURES OF THE CASE STUDY AREA         Biogeographic region <sup>1</sup> : European Atlantic mixed forests         Surface area: ca. 5 km <sup>2</sup> Country: Belgium         Region/Province: Brussels Capital Region
4a	LOCATION MAP(S)

<sup>&</sup>lt;sup>1</sup> https://www.eea.europa.eu/data-and-maps/data/biogeographical-regions-europe-3











	o (	Create new greenspaces ar	ns of biodiversity; vegetalise squares, roundabouts, berms, school yards nd playground promoting contact with nature ng about colours and odours the whole year long
			ig about colours and odours the whole year long
		emi)closed neighbourhood	
		Develop private gardens	arcs' within the building blocks, where possible
			rivilege diversification, and protect and vegetalise tree stand
			is of biodiversity; vegetalise squares, roundabouts, berms, school yards
			ofs and green facades, to connect inside and outside building block
		rban & residential areas	
			dens, and connections between gardens to accommodate biodiversity bouts, berms, parking lots, sidewalks
	Apart	tment blocks	
			dens, and connections between gardens to accommodate biodiversity bouts, berms, parking lots, sidewalk
9	OTHE	ER PRINCIPLE NBS ACTION	(S) – non-UF
	• F	Practices of participatory u	rban planning regarding both the public space and private gardens
	• [	Develop areas for bathing	
	• F	Re-think public lighting to e	nhance biodiversity
10	1004	AL STAKEHOLDERS LIST ON	IV
10		verning authorities: Bruss	
			ultiple associations and citizens groups involved throughout the project.
			of Anderlecht, Municipality of Saint-Gilles, Municipality of Anderlecht, Municipalities of
			oluwe-Saint-Pierre, Municipality of Jette
		blic/private institutions: n	
		rk planner and authorities	
	7. <b>Te</b>	chnicians for park mainter	nance/monitoring and to educate and support citizens: n/a
11	LIF-N	BS FRAMEWORK	
	a.	UF-NBS typology	Tree alley and street trees; Street green and green verge;
			Permeable pavement; House garden; Neighbourhood
			green space; Green inner courtyard; Neighbourhood
			green space; Small to medium urban park/public garden;
			Pocket park; Urban trees
	b.	Integration	Public area, transportation network (small streets,
			pedestrian streets, roundabout), parks and squares.
			Working on the biodiversity quality (tree species,
			lightning) and urban furniture (bench, light, trash)
	с.	Network/connectivity	Ecological connectivity is the main objective of the
			project. The local development strategies, in fact, are not
			only developed to enhance neighbourhood level quality
			and quantity of green areas developed, but with the
			explicit intention to ensure region-wide ecological
			integration and connectivity
	d.	Multifunctionality	Multiple functions of public and private green spaces (e.g.
			ecological connectivity, biodiversity) are combined with
			the needs and the ambition of the community (e.g. more liveable public space, mobility)
	e.	Multi-scale	The project takes place within the Regional Nature Plan
	е.	inditi-state	(Plan Regional Nature). The reinforcement of this network
			aims to reconnect green spaces and develop biodiversity,
			nature and the quality of life in the city.
			The five neighbourhoods, also, were selected as
			emblematic of the city's different urbanisation pattern:





			the lessons from each of them will be then applicable to
			the regional territory as a whole.
f.	Strategic planning		The project is characterised by a high level of
	processes		collaboration between different actors. As part of the
			project, a stakeholder mapping is conducted and
			workshops are organised to bring them together.
g.	Inter- and		The project brings together different actors, which have
	transdisciplinary		both a different role and a different perspective.
			The project is conducted by the region in collaboration
			with a multidisciplinary consortium of private companies
			brining in different forms of expertise (from urban
			planning, citizen participation, biodiversity,
			landscaping). In addition, the very design of the projection
			entails an intense collaboration with local actors includir
			municipalities and administration, associations, citizens
			and users.
			These collaborations are instrumental both to co-produc
			local development strategies, but also to enhance
			interconnections to realise the projects indicated within
			the strategy.
h.	Social cohesion and		The goal is to use the nature and biodiversity topic in
	biocultural diversity		order to create a local cohesion. A first cohesion is
			created by the project process itself but the final output
			(biodiversity enhancement) will also reinforce the public
			space quality and the social life thereafter. In low densit
			districts, the space available give also a possibility of rea
•			biodiversity development.
i.	Governance	I. Project	The project is led and coordinated by Brussels Environment, the regional environmental protection
	arrangements	management	agency. Following a public tender, has mandated a
		structure.	multidisciplinary consortium of private companies to
			conduct the practical aspects of the project.
			In each of the neighbourhoods, a process of consultation
		II. Local community	will be carried out with local actors (public actors,
		engagement and	associations, citizens and users), to realize a participator
		the nature of their	diagnostic study and to define objectives, projects and
		engagement.	eventually to carry out innovative developments with a
			ecological vocation.
		III City coole and /or	The project is led by the regional environment protectio
		III. City-scale and/or region-wide	agency in close collaboration with municipalities.
		governance for	
		the project and/or	
		UF-NBS (city and	
		regional	
		stakeholders and	
		character of their	
		engagement)	
		IV. National and	n/a
		international	
		governance	
		context (national	
		and international	
		stakeholders and	
		stakeholders and character of their engagement)	





		V. Other (specify)	n/a
j.	Institutional frameworks	<ul> <li>I. Project staff responsibilities.</li> <li>II. Project Management Committee (Y/N) if Y.</li> </ul>	One staff member of the environmental protection agency working on the ecological goals (coordination, collection of ecological and societal data, design of maps) One administrative working on local projects follow-up. N
		<ul> <li>III. Frameworks <u>above the project</u> that exert influence on the project and/or UF-NBS e.g. Municipality, National Forestry Department.</li> </ul>	Brussels Nature Plan (Plan pour le Développement de la nature), for the ecological network. Plan régional de développement durable (PRDD): for the mapping of the green network.
		IV. Private companies that work on behalf of/or are embedded within the project.	<ul> <li>The following companies were hired by the BE to work on the practical aspects of the project</li> <li><u>Le BRAT</u>: urbanism, eco-connectivity, Sustainable development, Cartography</li> <li><u>Écorce</u>: Ecology, urban biodiversity, eco-connectivity</li> <li><u>Plant En Houtgoed</u>: landscaping with high ecological value, landscape ecology/ biodiversity</li> <li><u>21 Solutions</u>: project management, participation</li> </ul>
		V. Trade representative organisations that are involved in the project	n/a
		VI. Regulatory frameworks that the project operates within (i.e. bylaws, municipal laws, national laws, licences and leases, partnership agreements etc)	n/a
		VII. Other (specify)	n/a
k.	Economic frameworks	I. Community fundraising	n/a
		<ul> <li>II. Project delivered services and monies raised by project</li> </ul>	<ul> <li>Mapping the ecological goals for different kinds of neighbourhoods throughout the regional territory</li> <li>Strengthening the citizens involvement in urban projects</li> <li>Prospecting and making an inventory of potential green development area</li> <li>Involvement of local stakeholder in the project</li> <li>Developing local projects for UF-UNBS, in</li> </ul>





m. n. p.	Sino/European comparative relevance UF-NBS valorisation	V. VI. VII.	City, regional general funds Special funds e.g. National Lottery, Challenge funds National government funds Private sector investment International funds e.g. European Union structural funds, LIFE + etc. Other (specify)	collaboration with local actors.         Regional funds: 165.000 € for the prospecting,         communication and project designing.         Regional and communal funds (amount to be defined) for         the landscaping works.         n/a         n/a         The private sector investment will depend on the local         projects and in the interest of local stakeholders to join         in. So far only the public stakeholders (municipalities) are         involved in the local projects.         n/a         UF-NBS valorisation depends on the urban context where
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m. n. p.	comparative relevance UF-NBS	VII.	investment International funds e.g. European Union structural funds, LIFE + etc.	projects and in the interest of local stakeholders to join in. So far only the public stakeholders (municipalities) are involved in the local projects. n/a N/a UF-NBS valorisation depends on the urban context where
m. n. p.	comparative relevance UF-NBS		funds e.g. European Union structural funds, LIFE + etc.	n/a UF-NBS valorisation depends on the urban context where
m. n. p.	comparative relevance UF-NBS	VIII.	Other (specify)	UF-NBS valorisation depends on the urban context where
m. n. p.	comparative relevance UF-NBS			UF-NBS valorisation depends on the urban context where
m. n. p.	relevance UF-NBS			
m. n. p.	UF-NBS			
p.				the projects take place. Using UNBS in a very dense urban context is more powerful if the project aims to tackle social issues (e.g. providing recreational space, good quality public space). On the other hand, in low urbanized area, UNBS are more focused on ecological and biodiversity issues (social issue is less important there due to the already better life quality). Ecological awareness goals remain pertinent for the whole mission.
	Procurement of UF-NBS			n/a
	Ecosystem services (list the three most important services being provided in no more than 50 words)			<ul> <li>Educational services</li> <li>Pollination</li> <li>Climate regulation</li> </ul>
q.	Renaturing			Make the best of the current situation in different urban context and improve the ecological capacity with light and no-expensive works
- Im		-		l municipalities, citizens, association) relopment process





	Brussels ecological network)
-	Importance of regional centralization for piloting and consistency
-	No achievement without communication work and close follow-up