

2 MARCH 2022 - ON LINE ALICIA VILLAZÁN CABERO **VALLADOLID CITY COUNCIL**



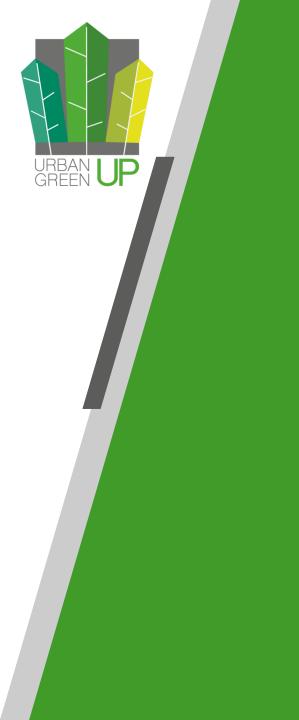
Ayuntamiento de Valladolid



URBAN GREENUP RENATURING

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730426





AGENDA

RENATURING CYCLE LANE

PLANTING NEW 2,350 TREES

URBAN CARBON SINK

GREEN RESTING AREAS

URBAN ORCHARDS



PLANTING NEW 2,350 TREES

Table 4: Interventions included in each Valladolid Sub-Demo

JRBAN

47

33	RE-NATURING URBANIZATION	WATER INTERVENTIONS	SINGULAR GI	9 NON TECHNICAL INTERVENTIONS
SubDemo A	VAc1- New green cycle lane VAc2- Planting 1,000 trees VAc3- Tree shady places VAc6- 3 Green Resting areas	VAc8- SUDs for green bike lane	VAc15 - Cycle-pedestrian green paths VAc16- Smarts soils as substrate VAc19- Natural pollinator's mod. VAc22 - Green Noise Barriers.	Common non-technical interventions: VAc37, 38, 39, 40, 41 & 42
Sub-Demo B	RENATURING CY GREEN RESTING VAc4- Shade and cooling trees	CLE LANE &	VAc17- Smarts soils as substrate. VAc20- Compacted Pollinator's mods. VAc23 - Green Noise Barriers. VAc24 - Vertical mobile garden. VAc25 - Green Façade. VAc26 - Electro wetland Roof. VAc27 - Green Covering Shelter. VAc28 - Green Roof. VAc29 - Green Shady Structures. VAc30 - Urban Garden Bio-Filter.	Common non-technical interventions: VAc37, 38, 39, 40, 41 & VAc42 SMART SOIL
	VAc5- 250 trees to re-naturing parking	VAc9- SUDs (re-naturing parking) VAc13- Nat. wastewater Plant VAc10- Rain gardens VAc12– Green filter area	VAc18 - Smarts soils as substrate VAc19, 21-Natural pollinator's mod. VAc20 - Compacted Pollinator's mod.	VAc34: Educational path in VAc13 VAc35: Educational path in VAc11 VAc36 - Urban Farming Educational activities.
Sub	VAc7- Urban Carbon Sink	VAc11- Floodable Park VAc14- Parking Green Pavement	VAc31 - Urban orchards VAc32 - Community composting. VAc33 - Small-scale urban livestock.	Common non-technical interventions: VAc37, 38, 39, 40, 41 & VAc42

URBAN CARBON SINK

URBAN ORCHARDS

RENATURING CYCLE LANE

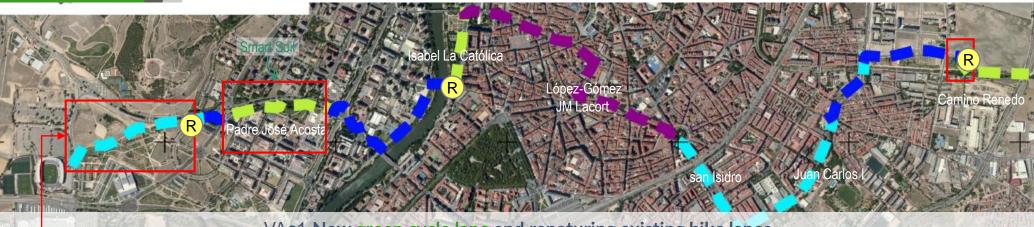
Green corridor: New cycle lane interconnected





RENATURING CYCLE LANE: GREEN CORRIDOR

- New green cycle lane implemented in Valladolid by the City Council from 2017-2021.
- URBAN GreenUP budget: Intervention in the West and East of the Green corridor.
- Green corridor: 8 km of renatured cycle lane from West to East



VAc1 New green cycle lane and renaturing existing bike lanes





RENATURING CYCLE LANE: GREEN CORRIDOR

 Green corridor: 8 km of renatured cycle lane from West to East (ON WORKS_march 2022)



East of the Green Corridor (cycle lane) in the Carbon sink (Feb 2022)

West of the Green Corridor (cycle lane) in the Football Std (Feb 2022)







West of the Green Corridor (cycle lane) in the Football Std (Feb 2022) 6



•Arboreal interventions

URBAN UP



ARBOREAL INTERVENTIONS

- There have been bought 2,391 new trees.
- 100% trees are almost planted (Spring campaign).
- Supplied trees are temporarily stored in the municipal nursery,
- The plantation is managed by the Parks and Gardens Service.

NBS GROUP	со	DE		INTERVENT	ΓΙΟΝ	LOCATION			
TREE	VA	c2		Planting 1,000	trees	A Green corridor			
INTERV	VA	c3	Tree shady places (500 trees)				A Green corridor		
ENTION	VA	c4	Shade and cooling trees (600 trees)				B City Center		
S (2.350)	VA	c5	Re-r	naturing parking	trees (250)	C F	ootball Std ca	r partking	
		TR	EES F	PURCHASE	PLANTAT	ION	N° TREES	%.	
		Pha	se l	Nov/Dec-19	Jan-20)	584	25%	
		Pha	se ll	Mar/Apr-20	May/Oct-	-20	837	60%	
		Phas	se III	Jun-20	Jun-20)	10	65%	
		Phas	se IV	Oct-20	Nov 20 - A	pr 21	60	100%	

2.391

Ayuntamiento de Valladolid







2.391

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The early spring in Valladolid 2020 prevented the planting of more trees since March 2020.

• Procedure Municipal Supply Contracts with local garden nurseries.



PLANTING 1,000 TREES

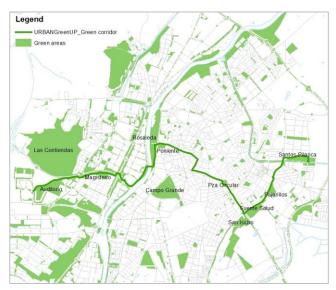
• Green areas available along the Green Corridor



Trees in Santos-Pilarica (VAc2)



Trees in Santos Pilarica – east (VAc2)



Green Corridor W-EURBAN GreenUP in Valladolid







VAc2



WEST TREE SHADY PLACES

• 500 trees in leisure area next to Football Stadium (West)



Trees in Las Contiendas park parking (VAc3)









VAc3



CITY CENTER SHADE AND COOLING TREES

• 600 trees in City Centre









Renaturalization of urbanized streets

Trees in Benito Menni St (VAc4)



Valladolid



RENATURING TREES IN STADIUM AREA



- 250 trees in the proximity of the Football Stadium
- Beginning of the Green corridor of URBAN GreenUP









Trees in Villa del Prado park (VAc5)

VAc5



•Santos-Pilarica neighbourhood



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Matriz forestal

Corredor verde

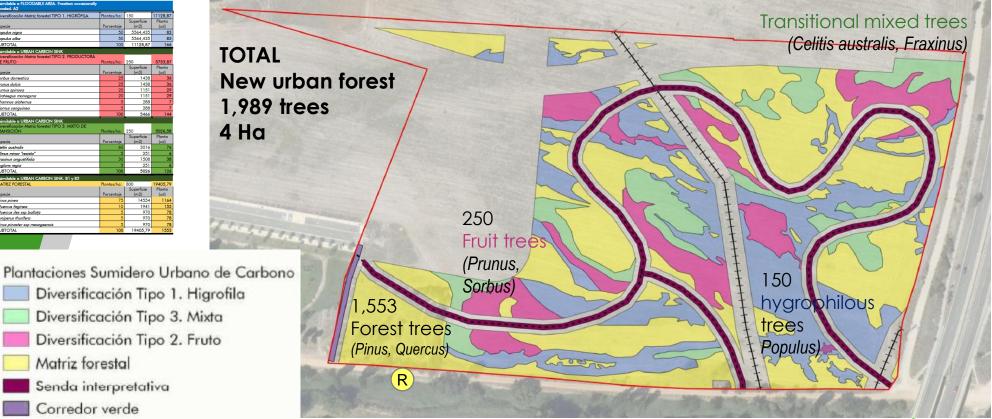
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Senda interpretativa

URBAN CARBON SINK



- Surface of municipal 4,000 m2 with more than 2,000 new trees
- Four forest matrices of trees: hygrophilous, fruit, mixed and forest.
- Educational path, resting areas, pollinator's modules.
- Registered as CO2 Absorption Project at the Spanish Office for Climate Change, OECC.
- Smart soil as substrate (NOx)



VAc7-Urban carbon sink and VAc35-Educational path



URBAN CARBON SINK & SMART SOIL



• Urban woodland of 2,000 new trees in 4 Ha public plot.



Urban carbon sink plot in Santos-Pilarica



Smart soil as substrate in the carbon sink



Urban carbon sink plot in Santos-Pilarica





Santos-Pilarica neighborhood

Smart Soil

SMART SOIL

10% Biochar

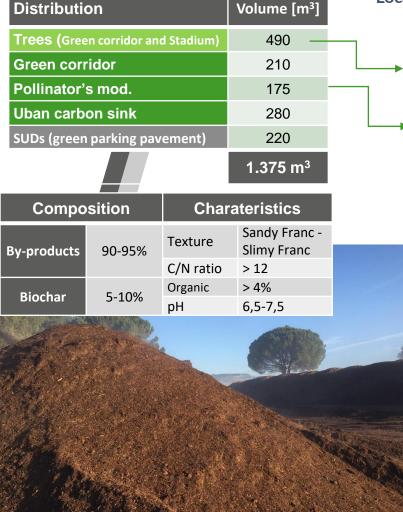
AS SUBSTRATE



SMART SOIL AS SUBSTRATE



- Technical-economic specifications delivered by CARTIF Technology center
- Smart soil = special substrate with Biochar and made up by subproducts. •
- Local supplier -> Progressive purchase for the NbS -> Total: 1,155 m3 delivered •



Smart soil in EMUPA headquarters (supplier, Valladolid)





Soil quality analysis

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Framework Agreement of Suppliers for theCity of Valladolid







URBAN CARBON SINK & EDUCATIONAL PA

Ayuntamiento de Valladolid

- Urban woodland of 2,000 new trees in 4 Ha public plot.
- Educational path to disseminate and engage citizens.





New cycle lane in the Urban Carbon Sink Park (March 2022)



Educational path & Smart soil in the Urban carbon sink (March 2022)

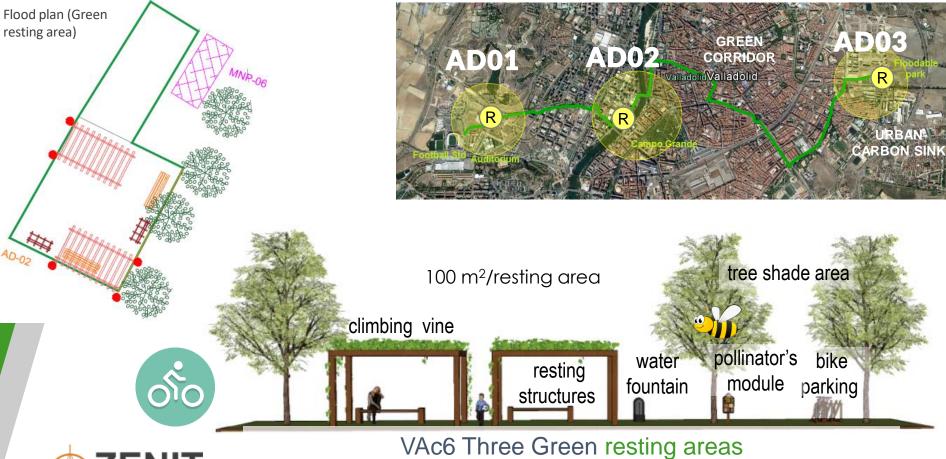
GREEN RESTING AREAS

•Three areas along the Green Corridor



THREE GREEN RESTING AREAS

- Surface of approx. 100 m2 / each area
- Elements: a tree shade area, a small pollinator module, a bike parking, resting structures (benches/wooden walkway) and a water fountain.





URBAN ORCHARDS

•Improvements (drop irrigation, shadow places)

•Community composting facilities



VAc31 Urban orchards improvements



Automatic drop irrigation system



Drop irrigation system in municipal orchard Valle de Arán (July 2020)



MUNICIPAL COMMITTMENT

- Improvements in the municipal orchards financed at 100% municipal budget.
- Improvements in the municipal orchards will continue in the four gardens.

Shadow places





EX-ANTE: Shadow area to be improved in Parque Alameda (2018)

VAc32 Community Composting facilities



Composters in 4 municipal orchards (September 2020)



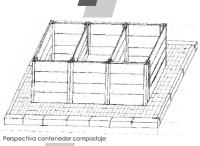
EX-ANTE: Community composting in Santos-Pilarica orchard

(to be improved)



in Parque Alameda orchard

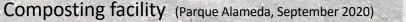




MUNICIPAL COMMITTMENT

 Composting facilities will be implemented in the 4 urban orchards







Composting facility (Santos-Pilarica, September 2020)





THANK YOU FOR YOUR ATTENTION

VALLADOLID CITY COUNCIL

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WP2 VALLADOLID DEMONSTRATION TEAM

