

REFLOW Project: Milan Pilot City

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CITY SCIENCE INITIATIVE Circular Economy | Virtual Workshop 25/05/2020



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REFLOW Project



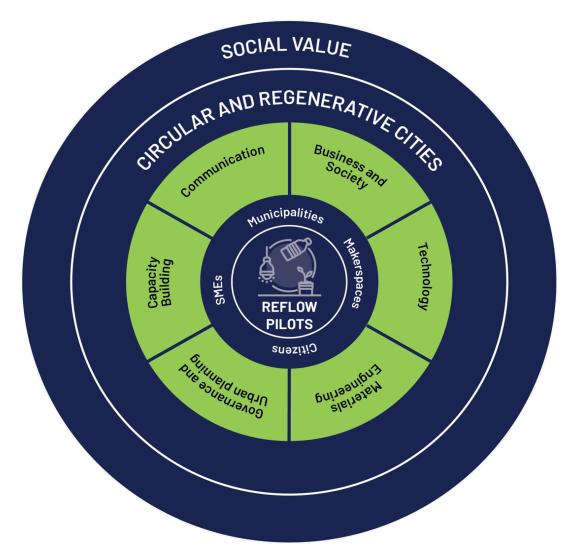
RESEARCH AND					
METHODOLOGY					
CBS Denmark					
POLIMI	Italy				
WAAG	The Netherlands				
META	The Netherlands				
ECOV	Finland				
P2P	Greece				

SOFTWARE COMPONENTS					
DYNE	The Netherlands				
FOKUS	Germany				
IAAC	Spain				
MAT	United Kingdom				

AMSTERDAM		BERLIN		CLUJ-NAPOCA		MILAN		PARIS		VEJLE	
WAAG	AMS	AH	BWB	ARIES	CLUJ	WMK	MILAN	ARSL	PARIS	DDC	VEJLE
PDZ	BMA	MCS		_		OP	POLIMI	FGCP	VOL		
		ITIM			-						



REFLOW's Approach to Circular Economy



Based on the REFLOW mission:

"To understand and demonstrate how the reconfiguration of the urban metabolism can enable the transition to circular and regenerative cities"





REFLOW Pilots

AMSTERDAM: Textile life cycling BERLIN: Water heat waste CLUJ-NAPOCA: Energy MILAN: Food Markets 4.0 PARIS: Fairs' material recycling VEJLE: Circular Plastic



MILAN PILOT

Supporting the transition to a circular food system by connecting and adapting traditional food marketplaces to novel consumption patterns and lifestyles of citizens

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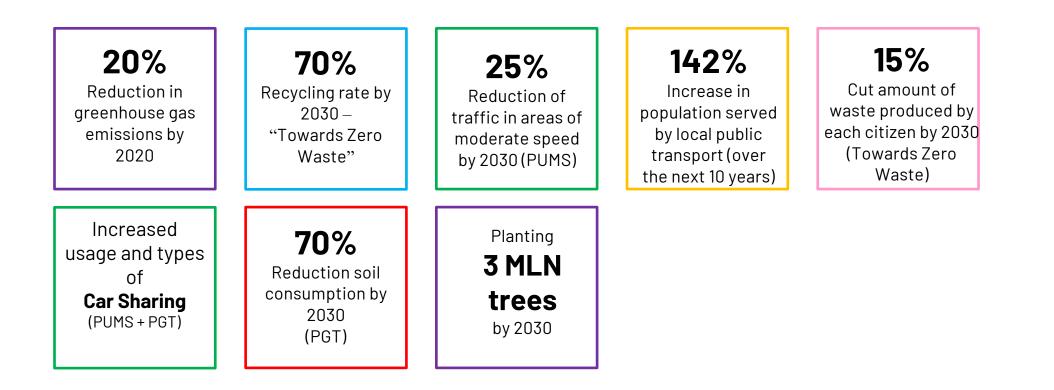


MILAN Food Markets 4.0



Circular Milan Targets







Circular Milan: the approach



Topics Instruments	Waste	Energy	Food	Creativity	Manufacturing	Mobility
Awareness raising & Networking	«Towards zero waste» Declaration	C40 Network	Milano Food City Food Policy	100 Italian Circular Economy Stories	Manifattura Milano	EU Week of Sustainable Mobility
Regulation	PAES Food Policy	PGT PAES	Food Policy	National Chamber for Italian Fashion Agreement	PGT	PGT PUMS PAES
Procurement/ PPP	Smart Bin (AMSA)	LED Lighting (A2A)	Food Hot Pot (in coll. with Cariplo Factory)	BASE Milano	Makerspaces & Fablabs	ATM Fleet replacement (electrical bus)
Fiscal Policies & Business support	TARI Tax relief	Call for Boilers Call for Energy Efficiency	TARI Tax relief Street Food Call Ellen MacArthur Found Partnership	Incubators for Circular Startups (Orange Fiber)	Call FabriQ III Call FabriQ IV «Innovazione di Quartiere»	Call for Business Vehicles substitution Carpooling Call Call for Electric Vehicles
Pilot projects	Environmental Meter Milano Plastic Free	EU Project: Sharing Cities (Smart Cities Lighthouse)	EU Project: OpenAgri REFLOW	Green Carpet Fashion Awards Call for Reuse of Fuorisalone Furniture	EU Project: REFLOW	EU Project: Sharing Cities (Smart Cities Lighthouse)



Circular Milan: Partnership and international networks

With the **Ellen MacArthur Foundation**, the Municipality has a strategic partnership on:

- local food short supply chains
- fashion and sustainable design
- circular urban metabolism





Milan Pilot aims at:

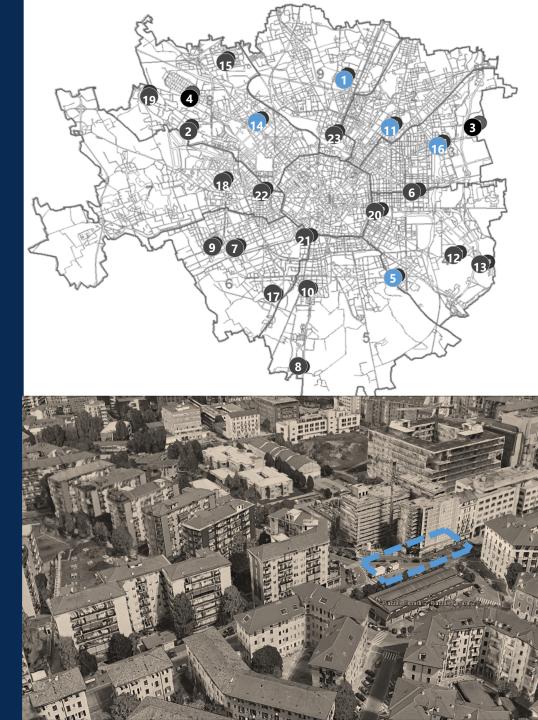
- Focusing on local Agrifood products (urban and periurban areas)
- Focusing on Municipal Covered Markets as physical/social nodes
- Making their entire supply chain and logistic more circular



23 Active Market

within very diverse contexts (some of them within key peripheral areas)

An overall surface of about 30.500 sqm

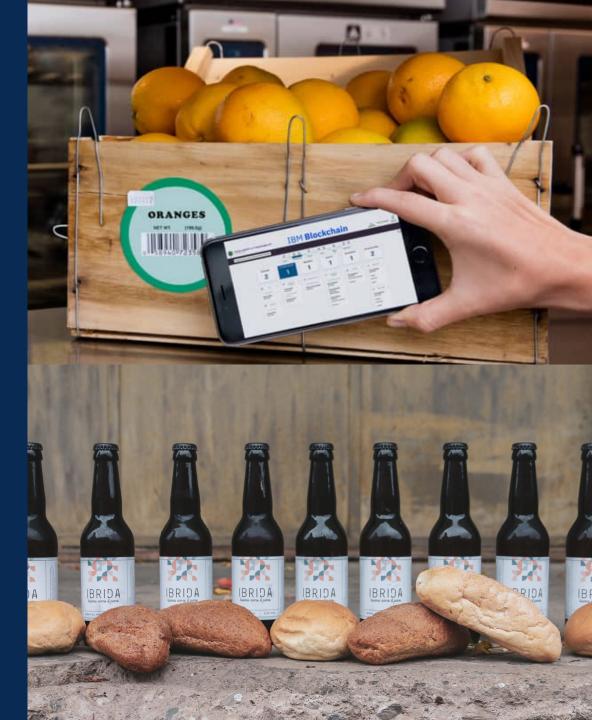


Ongoing experiments aimed at hybridizing food trade with cultural and social activities



Combining agrifood topics with the experimental and entrepreneurial attitude of the urban ecosystem of Fablabs

Involving startups focused on developing circular business models in the agri-food sector

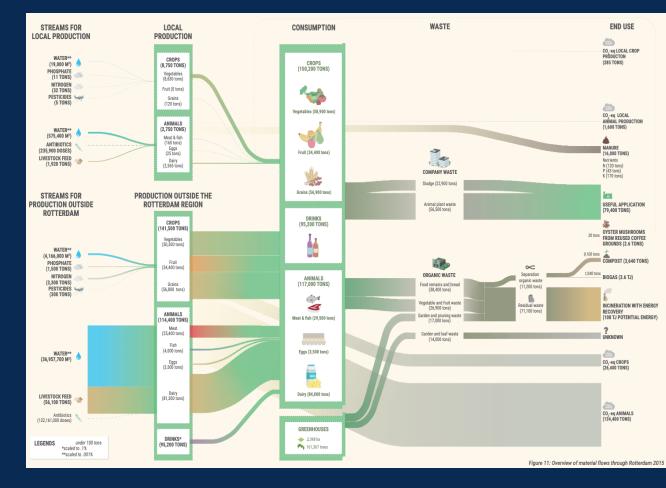






Barriers for circular economy in cities Need for science-based knowledge

Capturing Data – Scanning Material Flows within cities



Source: Metabolic



THANK YOU!

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https://reflowproject.eu/



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