Seeds of Change: Transforming Food Systems

Thursday, July 11th 9:30 – 13.30 CET

Online

Feeding Cities 2024 will begin soon...



100

Seeds of Change: Transforming Food Systems

Agenda July 11 2024 | 9:30 – 13:30 CET

9:35-10:30 Opening Keynote:

"Building Bridges to Social Movements for radical re-imagination of new food systems" by Emma Haske from FOSTER Food System Project

10:30-11:45 Hungry for Exchange - interactive webinar "Waste-Less Cities: Smart Solutions for Urban Food Sustainability"

with Living Labs representatives from Athens and Rijeka

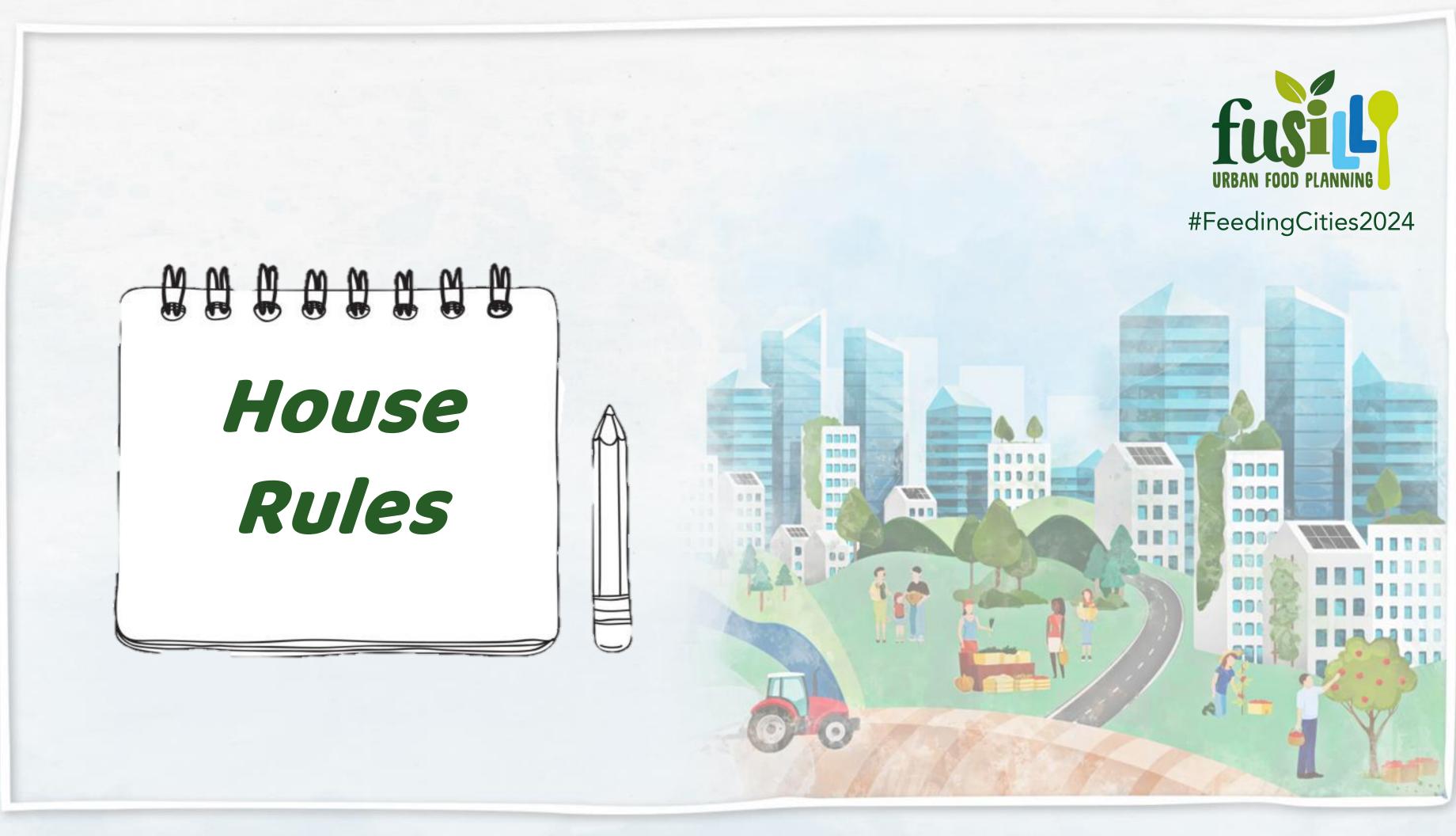
12:00-13:30 Peer-led Discussion Sessions

Lively, small-group discussions around the four core themes of the conference



#FeedingCities2024







Seeds of Change: Transforming Food Systems

July 11 2024 | 9:30 - 13:30 CET

Opening Keynote:

Building Bridges to Social Movements for radical reimagination of new food systems



Emma Haske

Anthropologist and Development Sociologist **FOSTER Food System Project | VU**





How can we, as change-makers, push for **transformation** within the context of **institutional** constraints and norms?

Seeds of Change: Transforming Food Systems

July 11 2024 | 9:30 - 13:30 CET

Hungry for Exchange interactive session

Waste-Less Cities: Smart Solutions for Urban Food Sustainability



Emira Brkić Karninčić Sustainable urban developent researcher in Rijeka, Croatia





Rijeka's ways of dealing with food waste! Food Waste Analyzer and the Sustainable Cookbook.

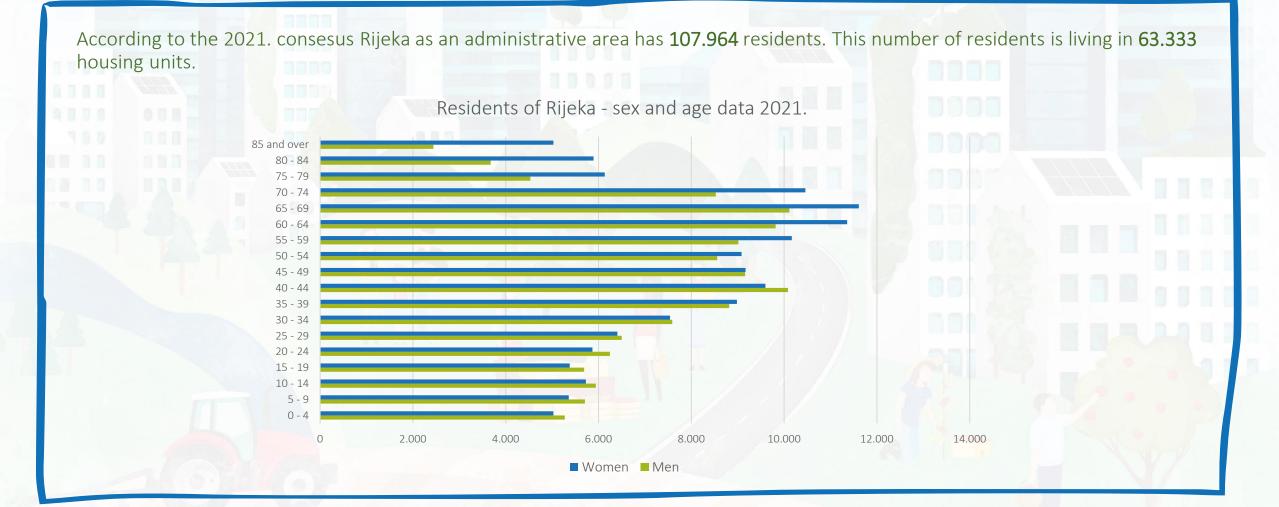
Emira Brkić Karninčić





The City of Rijeka







Food Waste Challenges in Rijeka



People's habits

- Food waste management is not a priority on a national level amidst the economic crisis latest research from 2021.
- Waste separation (households) is not mandatory!
- Why should I?

Paying a fixed price no matter the amount of waste produced



Food Waste Challenges in Rijeka



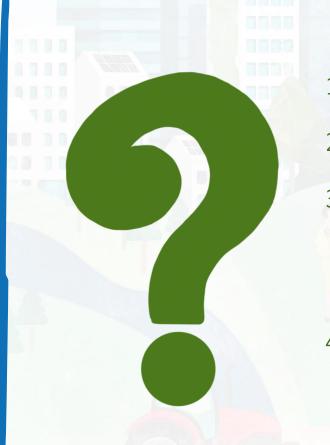
- January 2024 the City of Rijeka introduced a **personalized waste collection system**, which is being implemented progressively across local communities.
- Waste control, prevention of unauthorized use of containers, expected increase of the quantity and quality of separately collected recyclable fractions.
- Users will be provided with **designated waste containers** (family houses and multi-residential buildings).
- Start from the city's outskirts and gradually move towards the center, ensuring the new waste collection system aligns with the new disposal methods introduced in the surrounding areas.

Paying a price depending on the amount of waste produced



The idea behind the FOOD WASTE ANALYZER APP?





- 1) It can change the **culture** of planning, consuming, and disposing of food.
- 2) Also, users form a more thoughtful attitude towards purchases and spending.
- 3) Users begin to think about the problem of food waste and their **responsibility** to society. And by **sharing their experience** with friends and on social networks, they can provoke changes.
- 4) Some apps allow users to share food with their neighbors or donate it to those in need, building social contacts.



Food Waste Analyzer App



Main app function – to enable users to monitor their food management – entering quantities after purchase and entering expended quantities after consumption or throwing away.

App goals

•

- Relevant data
- Raising awareness
- Better control
- Education

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How it works



• Input

- **option of users own input of other foods
- After use food spent Output
- They provide % of how much was actually used
- App calculates the %
- Online Pantry
- User has access to their data and a graphic view of how much was thrown away
- Admin has access to cumulative data of all users

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General issues/Challenges

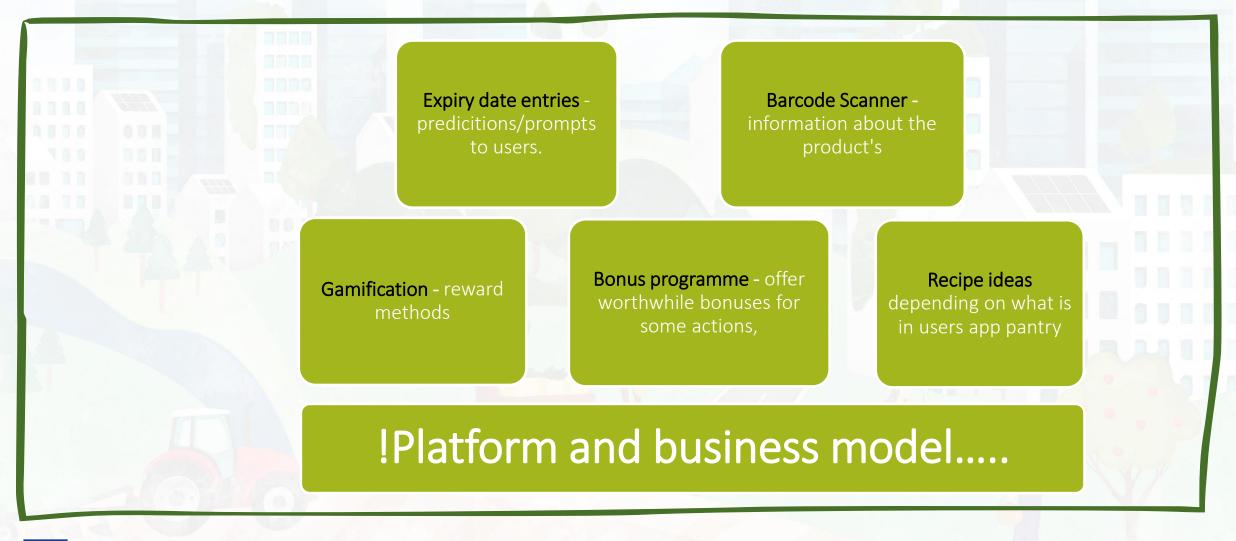


- Data and Inputs: Balancing Necessity and Usability
- User Autonomy: Preprogrammed Features and Customization
- Versatility: Usable for Both Households and the Hospitality Sector
- Added Value for Users: Beyond Data Collection
- •€VS. Kg's



Future development ideas/prospects







The Cookbook?



- 24 recipes
- Tips
- Food preservation and storing
- Potatoes, tomatoes, garlic, cucumbers, and onions should never be refrigerated but kept at room temperature
- Ethylene promotes the ripening of food and can lead to spoilage. Foods that produce ethylene during ripening include bananas, avocados, tomatoes, melons, peaches, pears, and green onions





Thank you!



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Seeds of Change: Transforming Food Systems

July 11 2024 | 9:30 - 13:30 CET

Hungry for Exchange interactive session

Waste-Less Cities: Smart Solutions for Urban Food Sustainability



Giorgos Keranis

Action Research Practitioner for sustainable food systems for Athens, Greece



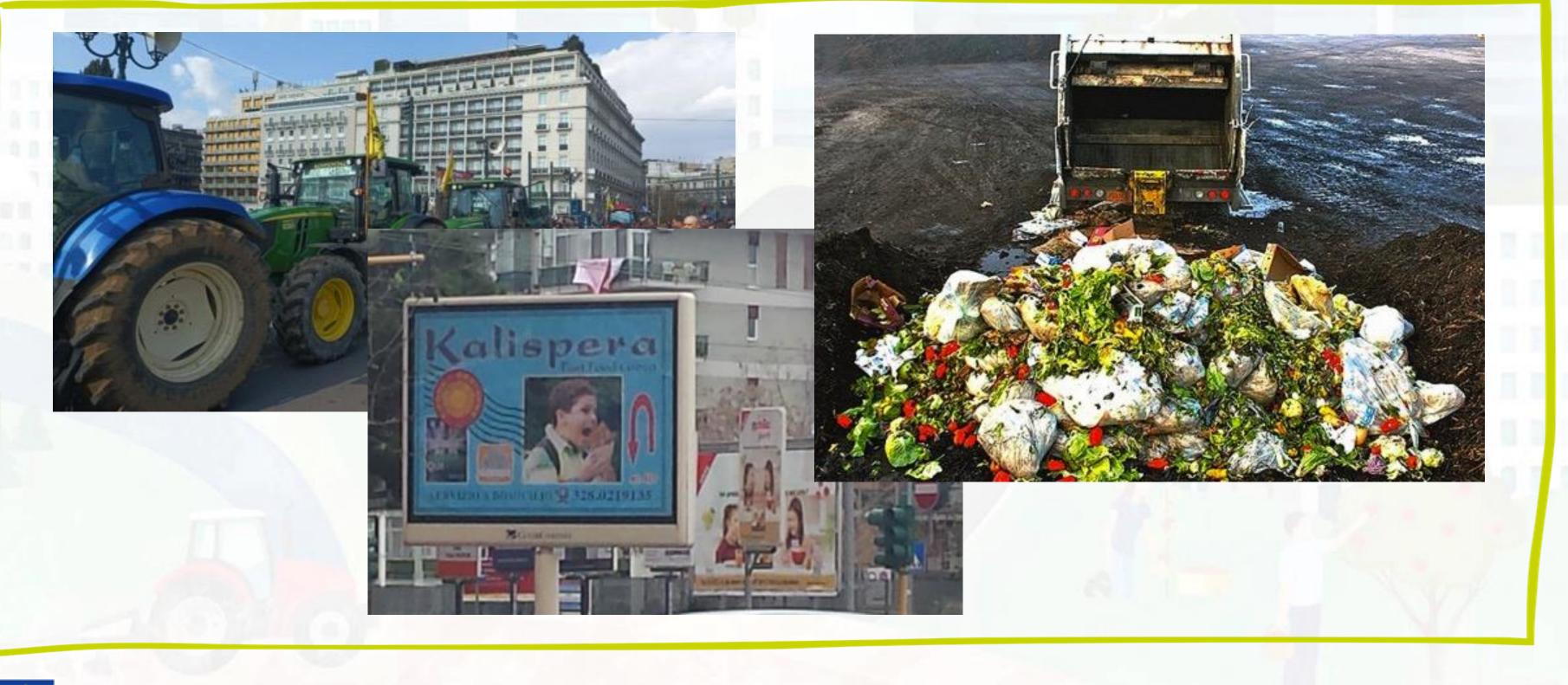
City of Athens Goal







Dealing with food waste In need of a food culture paradigm change







Athens – Population

Population

±650.000 residents 7 mil tourist overnight / year +20.000 per day + working commuters + visitors from Attiki

± 900.000 / day







Challenges in food waste management

1. Food surplus management 2. Food going to waste

Athens food waste per resident = 193 kg / year (including food consumed by tourists, working commuters, daily visitors)

Food waste per person in household = 87 – 90 kg per year (househlod research results)

Estimate: 40% of food waste can be saved.

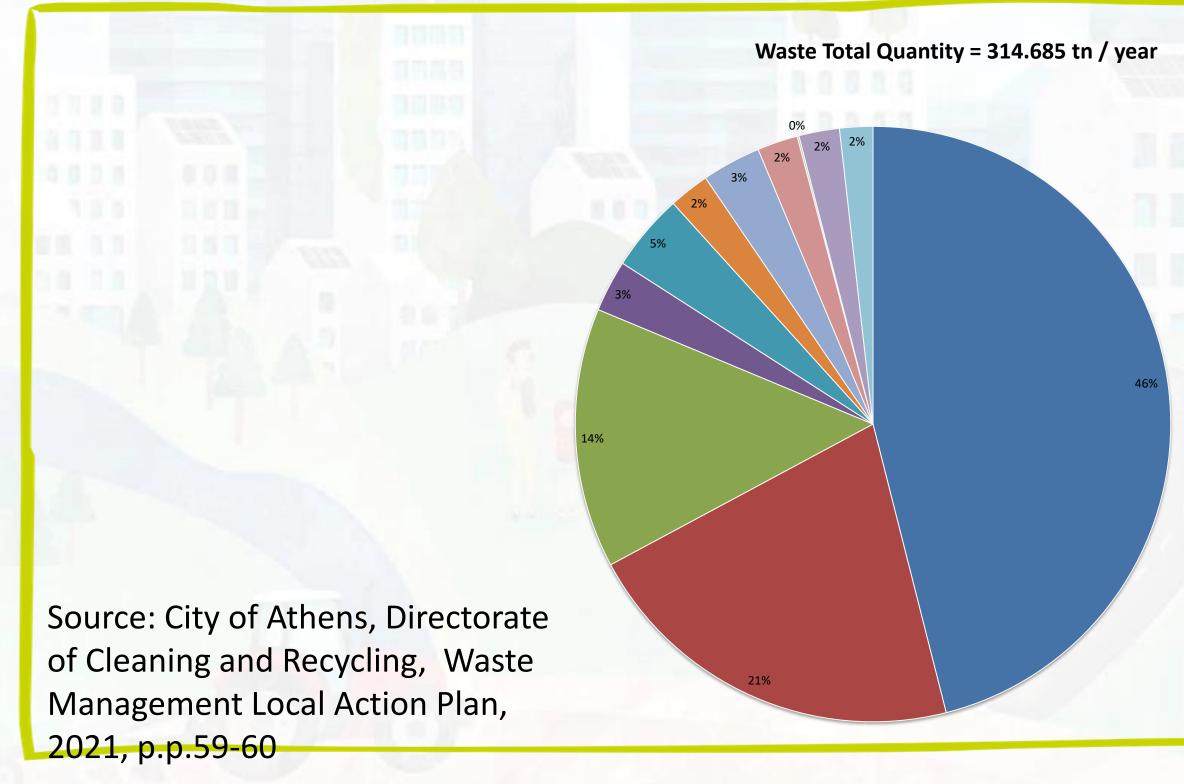
Source: www.foodsavingallianvegreece.gr Food Waste Policy Brief, WWF, 2023





35,6 κιλά σε λαχανικά **24,8** κιλά σε φρούτα 22 κιλά σε αρτοσκευάσματα 20 κιλά σε γαλακτοκομικά 12,4 κιλά σε ζυμαρικά και ρύζι **10,8** κιλά σε πατάτες 10,4 κιλά σε κρέας και ψάρι 4,4 κιλά σε αβγά

Food Waste data

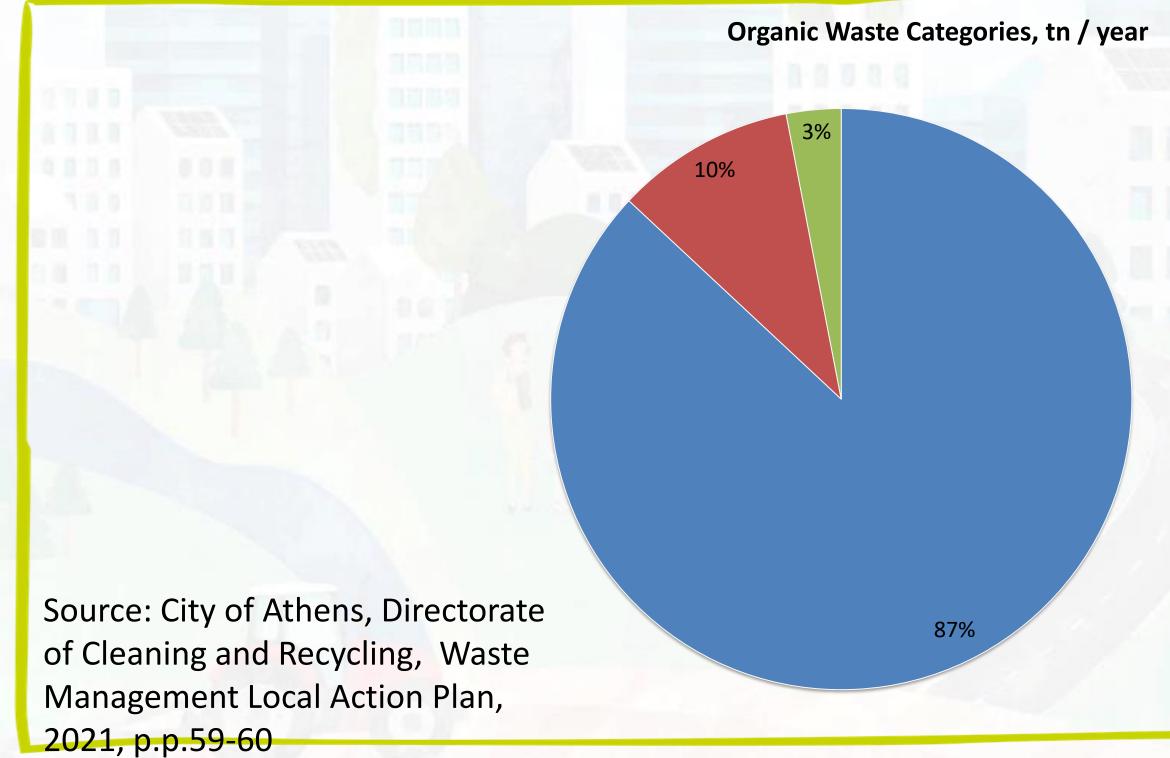






- Organic Waste = 144.900
- Paper
- Plastic
- Metals
- Glass
- Textiles
- Wood
- Electronic
- Small objects of risk
- Large volume objects
- Others

Food waste data

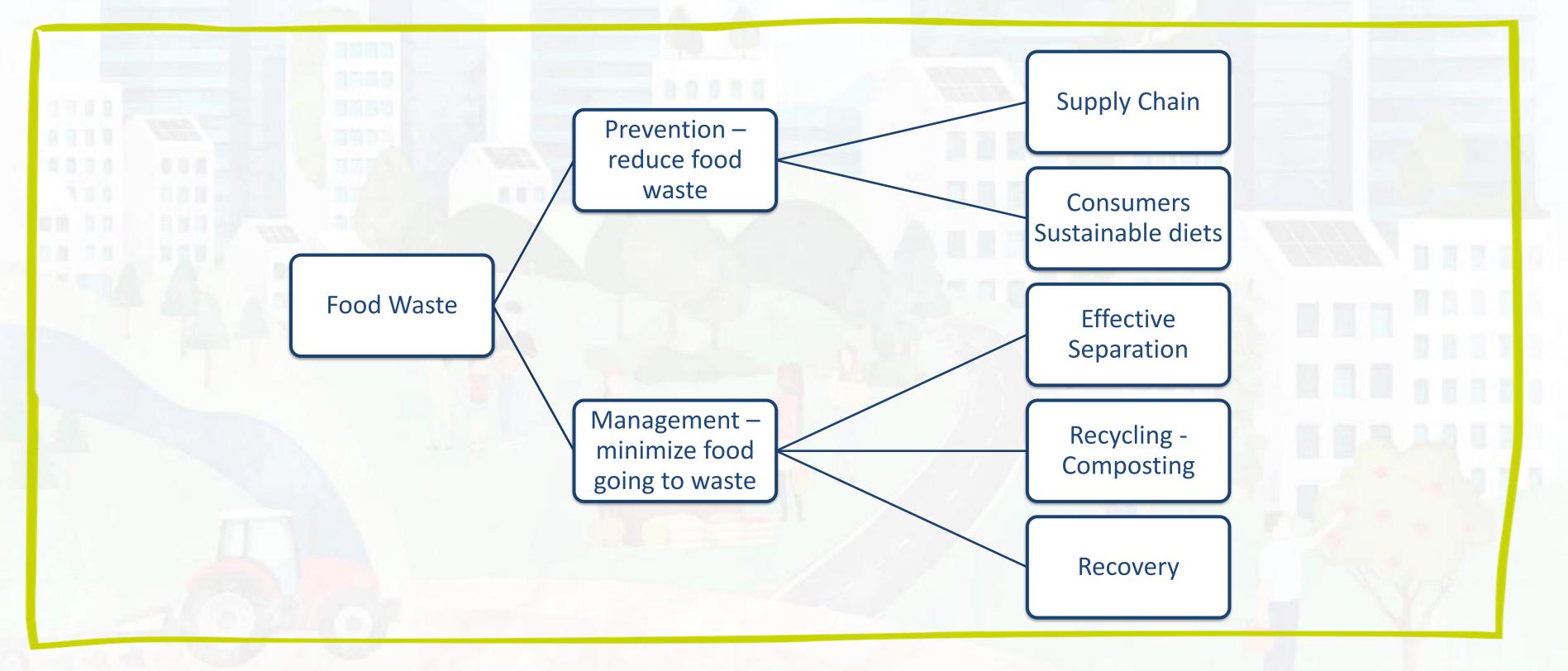






Food = 126.000 Green = 14.490 Oils = 4.410

City of Athens challenges and types of actions







Prevention - Redistribution of surplus

Athens Reception and Solidarity Center





ΚΕΝΤΡΟ ΥΠΟΔΟΧΗΣ & ΑΛΛΗΛΕΓΓΥΗΣ

Source: https://kyada-athens.gr/ypostiriktes/

food surplus; e.g.

- Bread at least 3 tons per month
- 10.000 lt of milk per year
- Cured meat
- air markets enterpirses
- Cereals at least 3 tons per year

surplus saved

structure.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101000717.



- Cooperation with food enterprises that contribute

Fresh vegetables and/or packed salads from open

- Estimate approximately 50 tons per year of food
- The contribution of CSOs NGOs and corporate CSR is fundamental, and operates beyond the municipal

Prevention - Promote sustainable diets

FUSILLI Collective Kitchen "Sustainable Diets" In cooperation with Municipal Clinics, Department of Preventive Medicine

An experiential tool for consumer action

Advance healthy nutrition using food that is

- ✓ Beneficial for the environment
- Nutritious
- ✓ Affordable and
- Produces the least possible food waste









Food waste - challenges

MOST IMPORTANT – food is perceived as potential waste

Waste separation is not mandatory

- Organic waste bins (brown bins) are not available in every neighborhood
- Users of organic waste bins > not available to all types of consumers
- Issues with the correct use of organic waste bins





Actions – expand the placement of brown bins

Department of Alternative Waste Management, Dir. Of Cleaning and Recycling

Introduce household and large brown bins into neighborhoods – Agios Andreas Ano Patissia – 02.2024



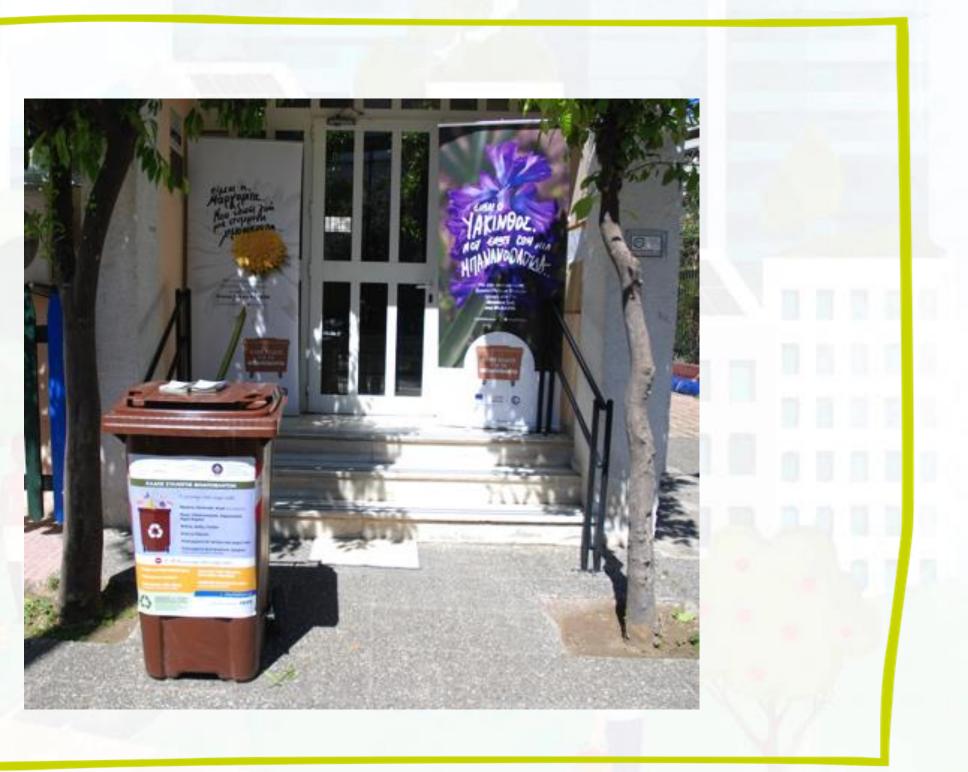




Actions – expand the placement of brown bins Department of Alternative Waste Management, Dir. of Cleaning and Recycling

Expand brown bins into institutions and mass consumption spaces

- 55 hotels in 2023
- Most kindergartens and nurseries in cooperation with Municipal Kindergartens Organisation and FUSILLI







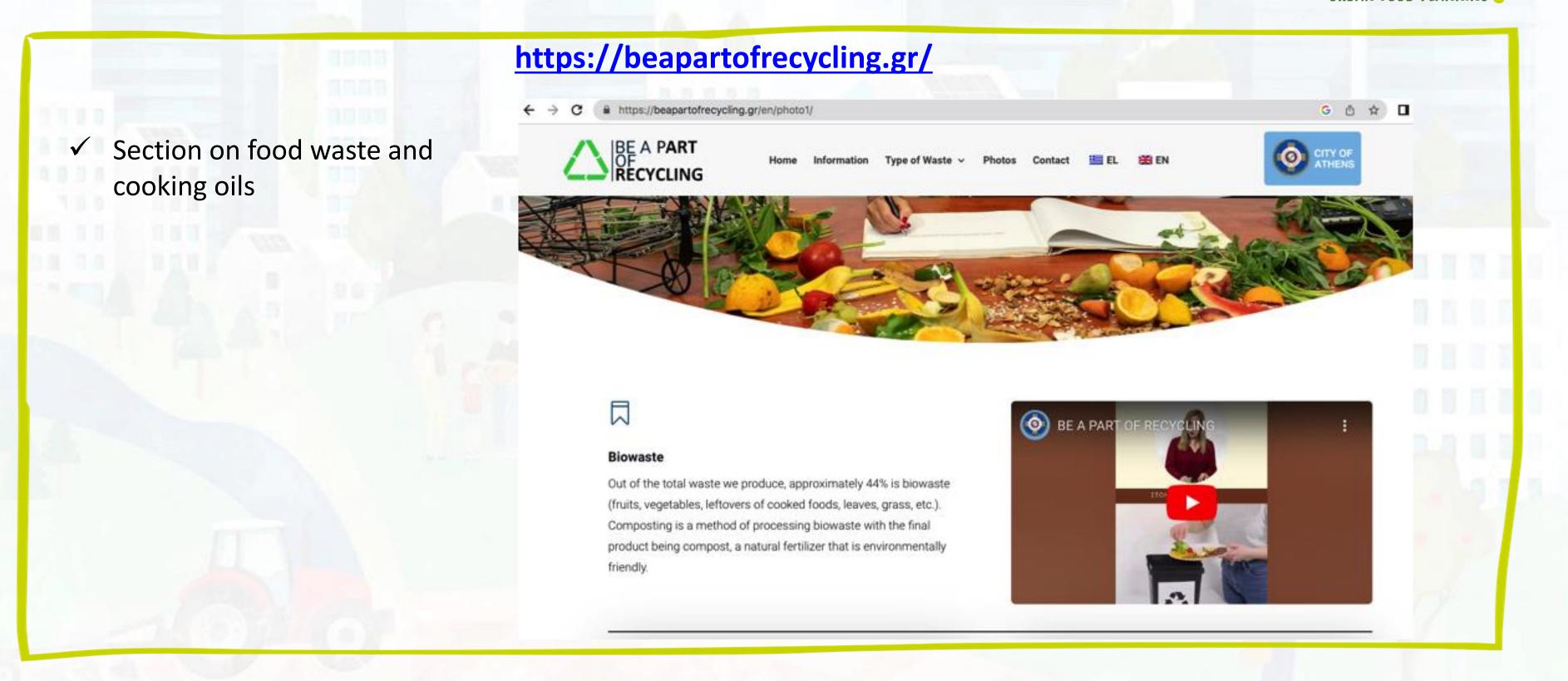
Actions – composting bins in schools







Actions – Website - Inform, raise awareness and educate Department of Alternative Waste Management, Dir. of Cleaning and Recycling







Actions – Inform, raise awareness and educate Department of Alternative Waste Management, Dir. of Cleaning and Recycling

Information campaigns

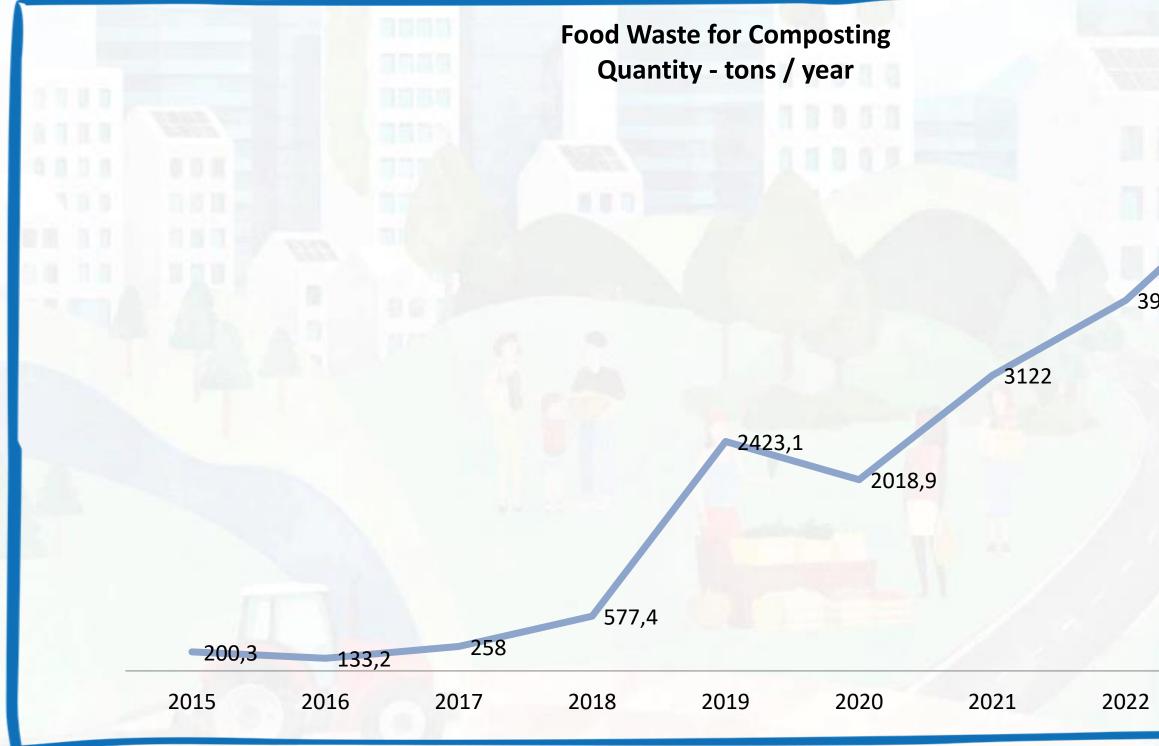
Open air markets Schools •







Data - Composting





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101000717.



4% for composting by 2023

3913,5

5200

Source: Dpt of Alternative Waste Management, Directorate of Cleaning and Recycling, City Of Athens

2023

Challenges and closing questions

- 1. A culture of producing food waste
- 2. Disproportionate focus on food waste management rather food waste reduction
- 3. Potential for horizontal cooperation among municipal departments among municipal sectors
- 4. Correct and effective use of organic waste bins
- 5. Data availability

Good practices of integrated policy?





rather food waste reduction al departments among

Thank you!

Giorgos Keranis – FUSILLI Project @ DAEM Athens, gkeranis@foodpolitix.gr

Elissavet Bargianni – City of Athens Resilience and Sustainabilitiy Department, Dir. of Strategic Planning, Resilience, Innovation and Documentation <u>e.mpargianni@athens.gr</u>

www.fusilli-project.eu



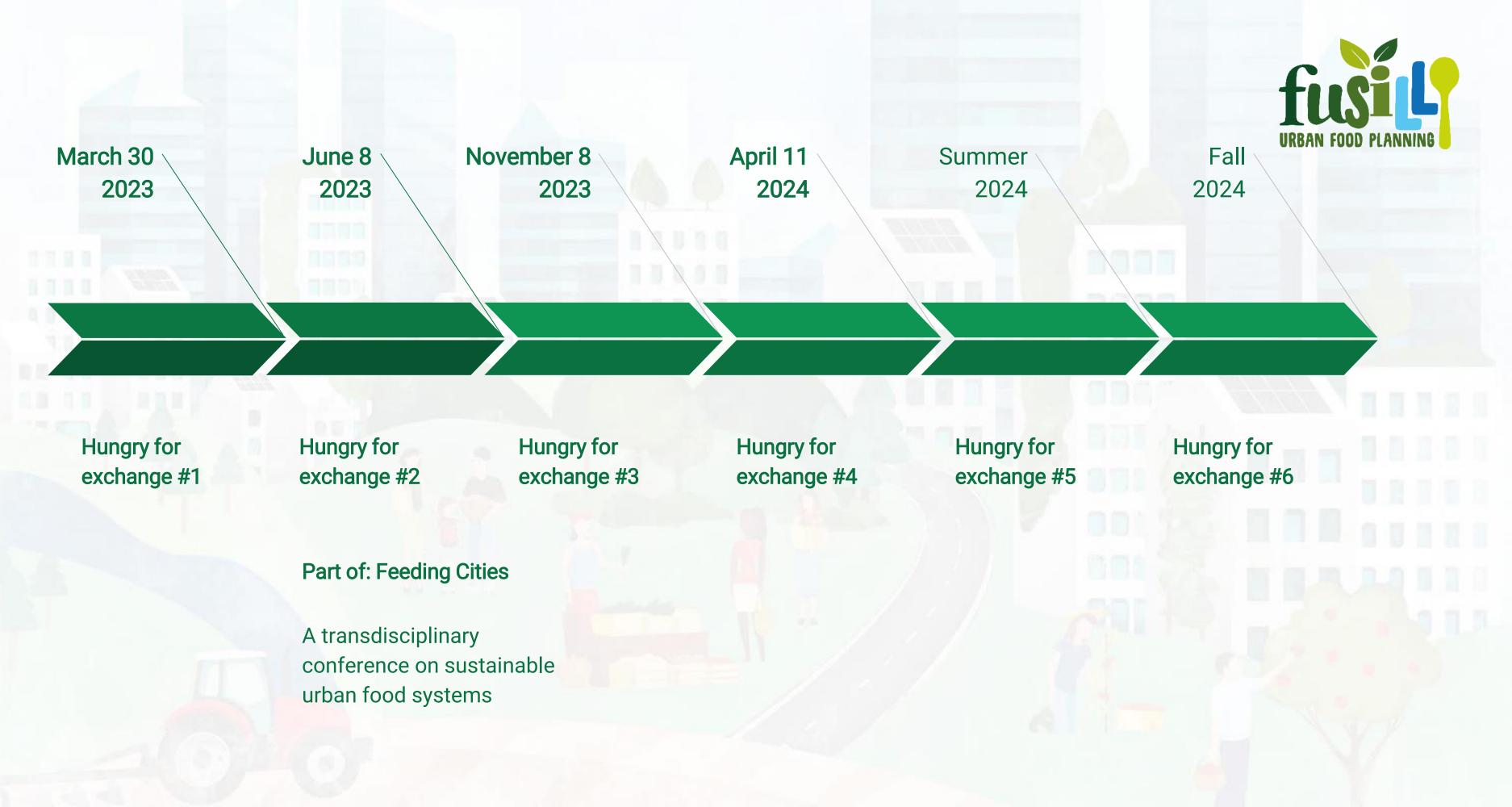




1 meditative minute: eye-openers + questions on Jamboard









Save the date!

FUSILLI Final Conference

Transforming the Urban Food System

Tuesday, 19th November -Wednesday, 20th November

Nilüfer, Turkey



8588

1000

2011

Hopefully until next time!

Thanks to:

Oleksandra Deineko Paola Baravelle Corine Questiaux

Interested to present during one of the next webinars? Would you like to connect to the speakers? Would you like to stay up to date with future events? Send us an email: j.luger@vu.nl

www.fusilli-project.eu





