

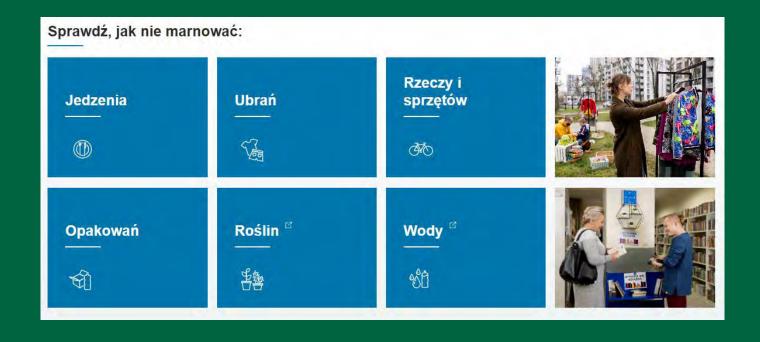
The Warsaw Food Lab

Innovations design to reduce food waste



 General educational campaign "I Think ~ I Don't Waste"







Project "Schools don't waste"



- 2nd edition ended in June 2024: 57 primary schools, 1400 sixth and seventh graders working with nutrition coaches to reduce food waste
- Nearly all participating schools implemented food waste reduction measures, ranging from simple changes to more advanced strategies
- On average, food waste was reduced by about 22%, with some schools achieving reductions as high as 47%



Project on city market places



- Food surpluses given to charity organizations in 2019 (pilot): over 330 kg; in 2021: over 2750 kg; in 2022 and 2023: 30 tons each year
- Educational activities targeting the sellers –
 management of food storage and presentation,
 cooking classes.
- Minimizing the use of plastic bags and encouraging the use of reusable bags and pouches with the distribution of 40 000 of them in Spring 2024







Foodsharing spaces (jadłodzielnie)



- All residents can leave or take surplus food,
 preventing waste and supporting community access
- 49 locations in Warsaw
- Through the "I Think ~ I Don't Waste" campaign and the participatory budget, residents are encouraged to use and establish more Jadłodzielnie



The Food Wave project



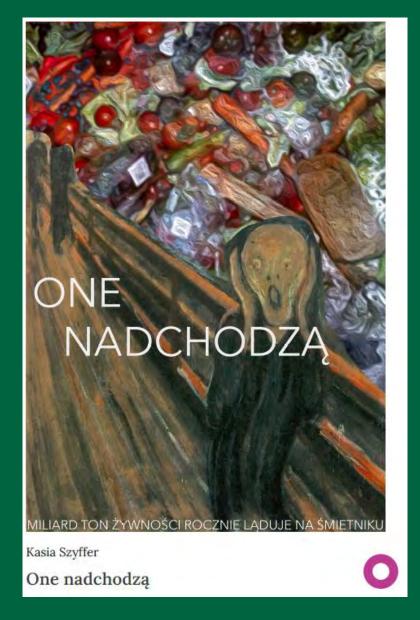
- Educational and activization campaign on the food-climate nexus (materials in PL and UKR)
- Food waste as one of the food system aspect impacting climate change (GHG emissions)
 - Art and photography contest / design and planting of school gardens / integration activities for the Polish and Ukrainian youth







"They are coming"









The Warsaw Food Lab

Milan Urban Food Policy Pact EUROCITIES Working Group Food





City of Warsaw

- MUFPP signatory city since 2015
- Vice Chair of the WG Food since 2019
- Knowledge sharing hub
- Lobbying activities
- ➤ Networking and EU programmes calls
- Food-related EU project in Warsaw:

FOOD WAVE

FOOD TRAILS





FOOD TRAILS

Horizon 2020

Cities as agents of food system transformation

19 partners:

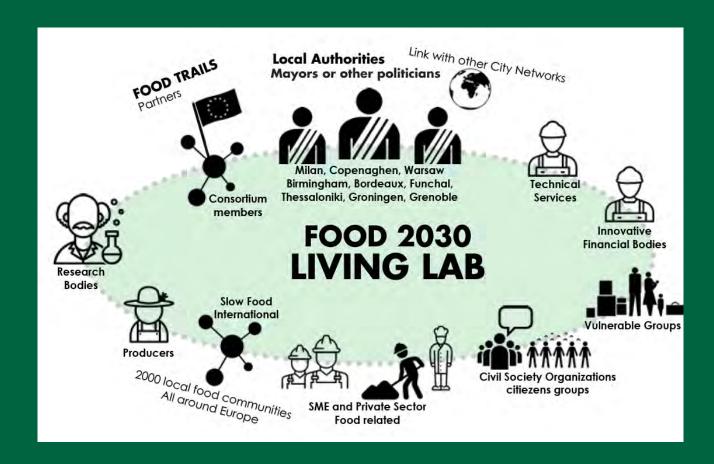
11 cities, 3 organizations, 5 academic institutions

7,7 mln citizens





FOOD TRAILS Living Labs



11 CITIES – 11 LIVING LABS

LINKING FOOD SYSTEM ACTORS TO STRENGTHEN THEIR CAPACITY TO CO-DESIGN AND CO-DELIVER INNOVATIVE SOLUTIONS



The Warsaw Food Lab (WFL)









An original method



Human-centered design



Systemic thinking



Mechanism of change



WFL method

An optimal method for the co-creation of innovative public interventions



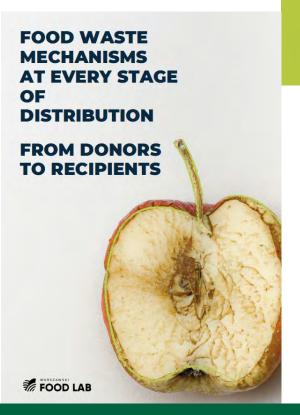
Multidisciplinary team



Evidence- based approach



Behavioral insights



OPTIMISATION OF FOOD DISTRIBUTION

IN THE CONTEXT
OF THE REFUGEE CRISIS
IN WARSAW









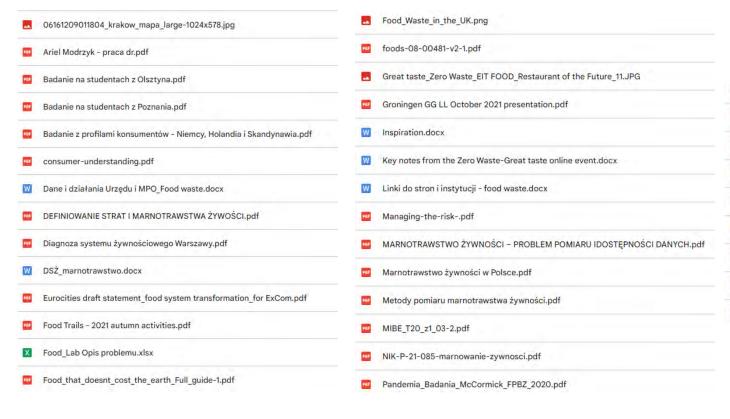
The REACT method

1. Reframing the issue	2. Exploring the situation	3. Analyzing the problem	4. Creating solutions	5. Testing solutions
What actors directly and substantially contribute to problem? What misbehaviors are crucial to focus on?	What do we need to know about our target group behaviors?	Hypothesizing about Obstruction Problems What are the factors obstructing specific positive behavior?	Hypothesizing about Intervention Type What intervention will enable expected positive behavior?	Do the solutions impact the beneficiaries' behaviour? What positive behaviour do we expect from our target group?
Desk research & beneficiaries selection	Empirical field research Qualitative and quantitative	Living Lab Workshops	Living Lab Workshops	Prototypes testing



Selection of the topic and target groups (1. step)

Desk Research



FOF	Przewodnik-do-Raportu_FPBZNie-marnuj-jedzenia-2018.pdf
FOF	Raport_NieMarnujJedzenia_2020.pdf
FOF	Raport- poradnik dla przedsiębiorców.pdf
POF	STRATEGIA_PROM_v_2.0_20.07.2021.pdf
POF	sustainability-12-00304-v2-1.pdf
POF	uwagi_do_ustawy.pdf
POF	Wplyw_marnowania_zywnosci_na_zmiane_klimatu.pdf
FOR	Zgubione-kalorieJak-skutecznie-walczyc-z-marnotrawieniem-zywnosci.pdf
FOF	Ziemianie_Reguluja_2020-1.pdf



Selection of the topic and target groups (1. step)



Food waste prevention and reduction





BEHAVIORAL CHANGE

2 KEY TOPICS

- Food waste prevention and reduction in small and middle-sized restaurants
- Optimization of food management in the context of the refugee crisis (Food Bank beneficiaries)



INSTITUTIONAL CHANGE

- Establishing a Living Lab dedicated to food-related issues
- = space to co-create and test food innovations and solutions
- = cooperation platform that might evolve into a multi-stakeholders food governance structure and tackle other challenges in the future





Key topic #1 Small restaurants

Exploring the situation (2. step)

Empirical Field Research

3 steps:

- **A) Interviews** with experts on food waste and from the HoReCa sector
- **B) Double interviews** of restaurants owner and Staff
- **C)** Co-creation workshop with restaurants managers and owners





Wywiady eksperckie



Diady



W arsztat kokreacyjny



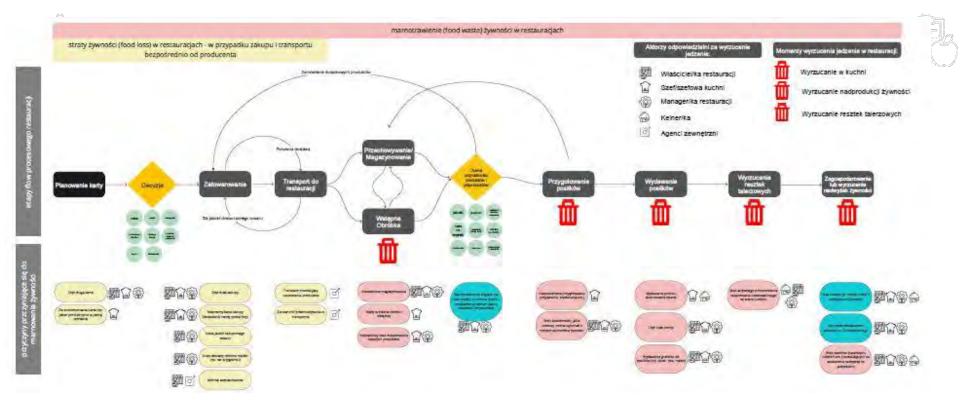




Exploring the situation (2. step)

Empirical Field Research

Mapping the food journey





Exploring the situation (2. step)

Empirical Field Research



Report + Legal Framework Analysis

















2nd September 2022

Food waste in small restaurants in Warsaw. Research report.



Analyzing the problem (3. step)

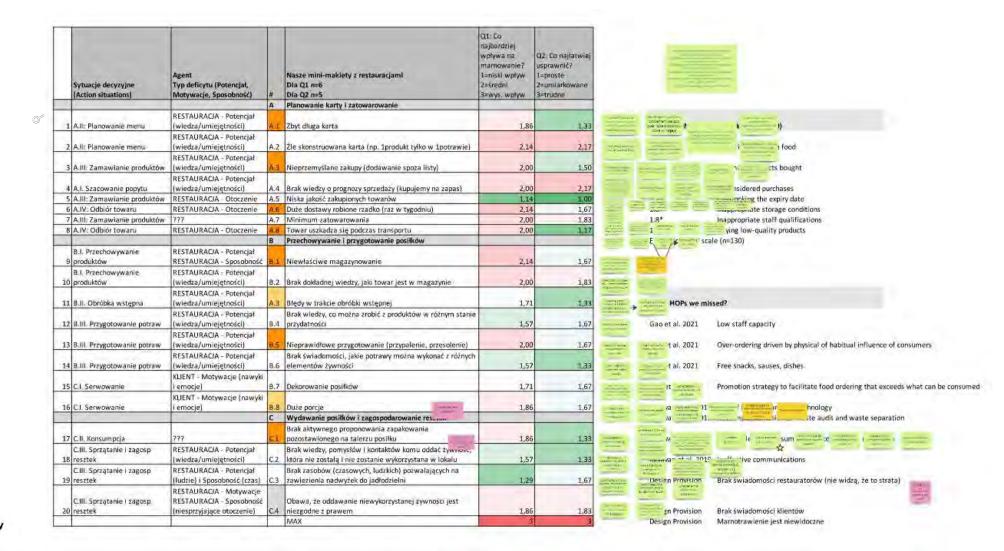
Additional surveys





Analyzing the problem (3. step)

Selection of 2 problems





Creating solutions(4. step)

Selection of the potential solutions

A) Food storage

Potential solution: low tech, passive fridge

B) Lack of knowledge of the legal context enabling the donation of food surpluses

Series of workshops with restaurateurs and experts to check the relevance of the hypotheses





Creating solutions(4. step)

Selected problem

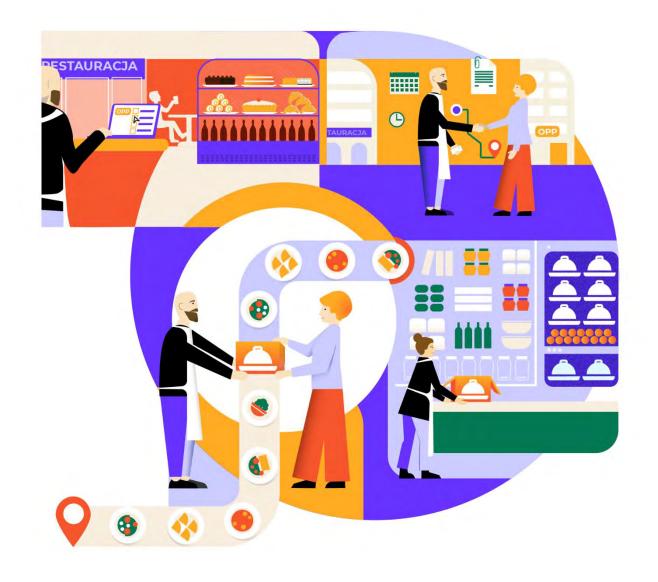
PROBLEM:

Existing regulations for food distribution are unclear and fragmented -> fear of legal repercussions among restaurant owners

SOLUTION:

Two-fold intervention that targets the knowledge gaps and misperceptions about food donation regulations:

- 1) comprehensive and user-friendly knowledge compendium
- 2) interactive infographic as a visual aid/campaign





Creating solutions(4. step)

Campaign NO WASTE. FOOD CO-OP



- Knowledge Compendium
- Campaign to connect restaurant owners and NGOs
- Support by the business sector: Glovo and Makro







Testing solutions (5. step)

Campaign NO WASTE. FOOD CO-OP

- Warsaw Food Lab social media: Instagram, Facebook, Linked In
- Website
- Posters & stickers
- Knowledge compedium







FOOD LAB

Parallel initiative

Series of roundtables with retailers, food lawyers and the food bank

Discussions on the different perspectives and needs of the stakeholders











Parallel initiative

Series of roundtables with retailers

Roundtable #2 (March 2024)









Thank you for your attention

City of Warsaw

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Key topic #2 Beneficiary organizations of the Food Bank

Reframing the issue (1. step)

Context of 2022

War outbreak in Ukraine

- ⇒ Observing the situation and involvement into initiatives providing food for people fleeing the war
- ⇒ Modification of one of the key topics in the Warsaw Food Lab







Exploring the issue (2. step)

Empirical field research (A)

Interviews with representatives of **10 initiatives** involved in providing food to the refugees from Ukraine from March until July 2022

=> UNIQUE RESEARCH OF THIS KIND IN EUROPE





Exploring the issue (2. step)

Empirical field research (A)



OPTIMISATION OF FOOD DISTRIBUTION

IN THE CONTEXT
OF THE REFUGEE CRISIS
IN WARSAW









Reframing the issue (1. step)

Change of key topic

- Acceptation of the modifications by the FOOD TRAILS project leader
- The refugee crisis unveiled an already pre existing issue in the area of food aid distribution
- Close cooperation with the Warsaw Food Bank





Exploring the issue (2. step)

Empirical field research (B)

 Workshops with the Warsaw Food Bank to define the research scope



REPORT

- In-depth analysis of the food distribution and processing schemes
- Analysis of situations where food waste occurs
- Ranking of the drivers influencing food waste
- Behaviours and motivations of the main stakeholders.





Analyzing the issue (3. step)

Selection of the problem

 Workshops with the Warsaw Food Bank and researchers











Creating solutions (4. step)

Selection of the problem

 Workshops with the Warsaw Food Bank and experts in various food-related areas











Creating solutions (4. step)

Selection of the problem

PROBLEM

Under-utilization of donated food, particularly bread, fruits, and vegetables, by recipient organizations of the Warsaw Food Bank.

2 barriers: storage space & high turnover of staff and a lack of know-how among volunteers

SOLUTION

Two-fold intervention:

- equip these organizations with efficient tools and practical knowledge: smart, low-energy storage system & clear set of instructions
- 2) nudge them towards better use of donated food -> establish new, efficient routines







Testing solutions (5. step)

Implementation of the pilot













Thank you for your attention

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