

CITIES' ACTIONS TO PREVENT FOOD WASTE AND PROMOTE FOOD DONATION: EXAMPLE OF MILAN AND COOPERATION WITH OTHER EUROPEAN CITIES



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appointed for Food Policy

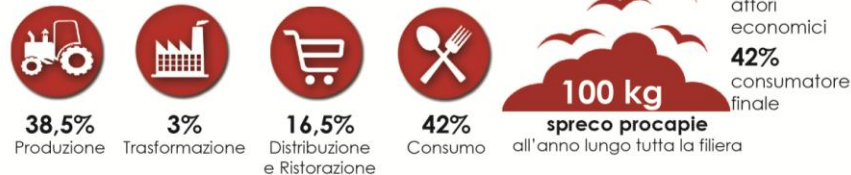
Vilnius, **24 May 2018**, EU Platform Food Losses and Waste





The City of Milan developed in 2015 the Milan Food Policy that acts on the **urban food system** with a multidimensional approach around 5 key priorities, 16 guidelines, 18 actions: **food losses and waste reduction** being one of the most important, engaging several local actors such as **research centers, food businesses, food banks, non profit organizations, foundations.**

Contributo alle eccedenze alimentari delle componenti del sistema alimentare



399€ / mese
Spesa alimentare mensile di una famiglia milanese



454€ / anno
spreco domestico di una famiglia italiana

Lo spreco domestico di una famiglia milanese equivale ad una mensilità della spesa alimentare

4 GUIDELINES FOR FOOD LOSSES AND WASTE

The Municipality in cooperation with local actors

1. Promote actions of **information and education** addressed to citizens and local actors in order to reduce losses and waste.
2. Promote recovery and redistribution of **food losses** creating relations among the local players (charities and food banks).
3. Promote more rational use of **packaging**.
4. Promote **circular economy** in the field of food system.

TAX REDUCTION ON FOOD LOSSES FOR DONATION (2017)

In 2018 Milan adopted a reduction on the waste tax for food losses donation. This new regulation aims to **reduce 20% of the tax** for the first year in favour of **food businesses** (supermarkets, restaurants, canteens, producers etc.) **that donate their food losses to charities.**

Multi-departments action:

- Fiscal dpt.
- Environmental dpt.
- Food Policy Office
- Environmental Municipal Agency

Indirect effect: the measure will also support the mapping, strengthening and spreading of food donation ongoing initiatives led by non profit organizations in the city.



Technical consultation with food system and charities actors



Technical consultation

Food system and charities actors

CITY COUNCIL VOTE

max 50%
20% for the pilot year (2018)

Food businesses need to send at Municipality an **INITIAL COMMUNICATION**

At the end of the year the food businesses must send a **FINAL REPORT TO THE MUNICIPALITY** containing the amount of food donation

OCT2017

FEB2018

30APRIL2018

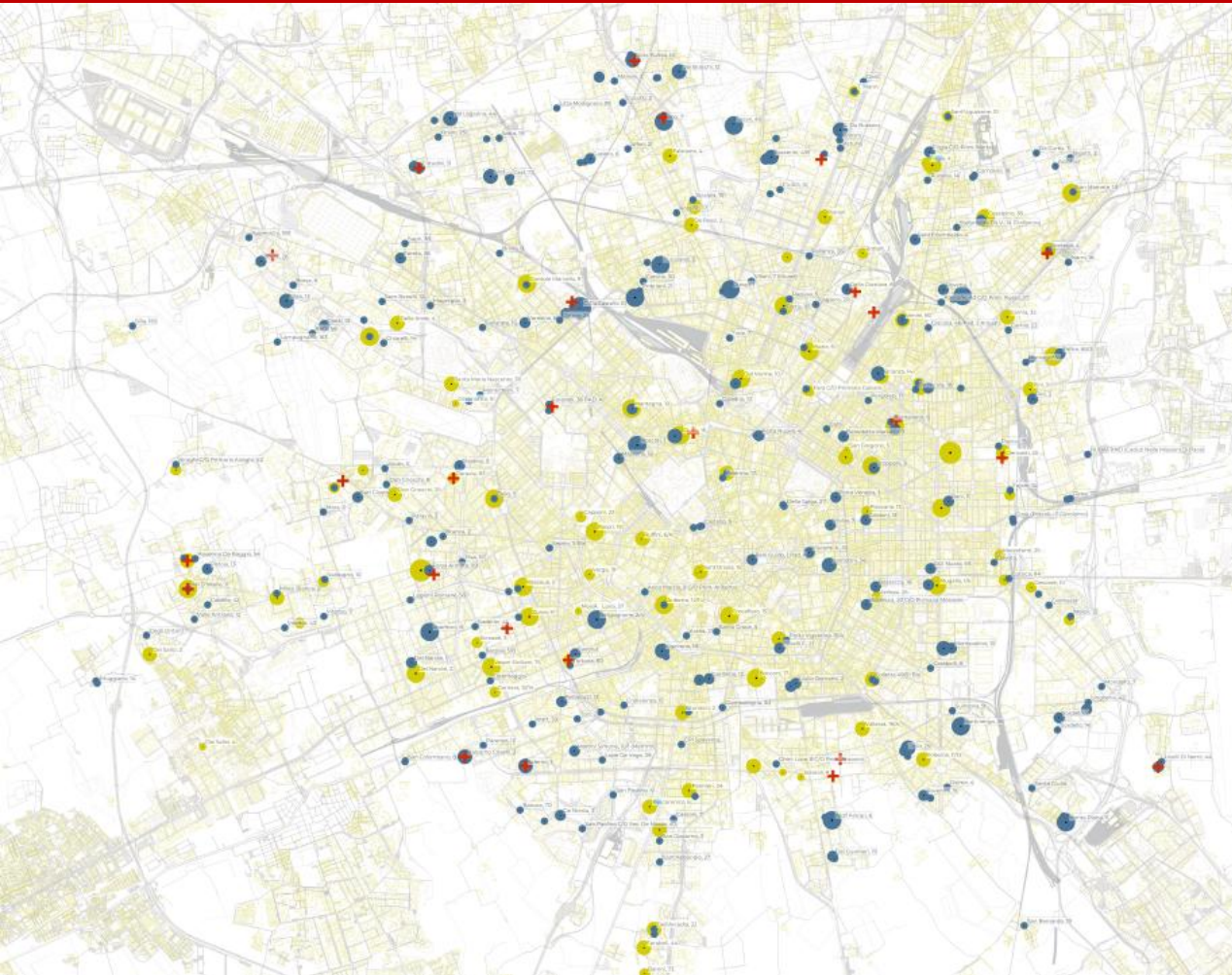
DEC2018

2 30APRIL2019

FIRST pilot year: 20% reduction

from SECOND year: max 50% reduction

FRUIT & BREAD DONATION FROM SCHOOL CANTEENS PER YEAR (2018)



106 school canteens
on a total of 418
connected by charities
food donation system



150 Tons
91 Tons of fruit
50 Tons of bread
9 Tons of complete meals
from cooking centers

31.000 reusable doggy bags
to bring home non perishable
leftovers.

CANTEENS WITHOUT FOOD DONATION ACTIONS

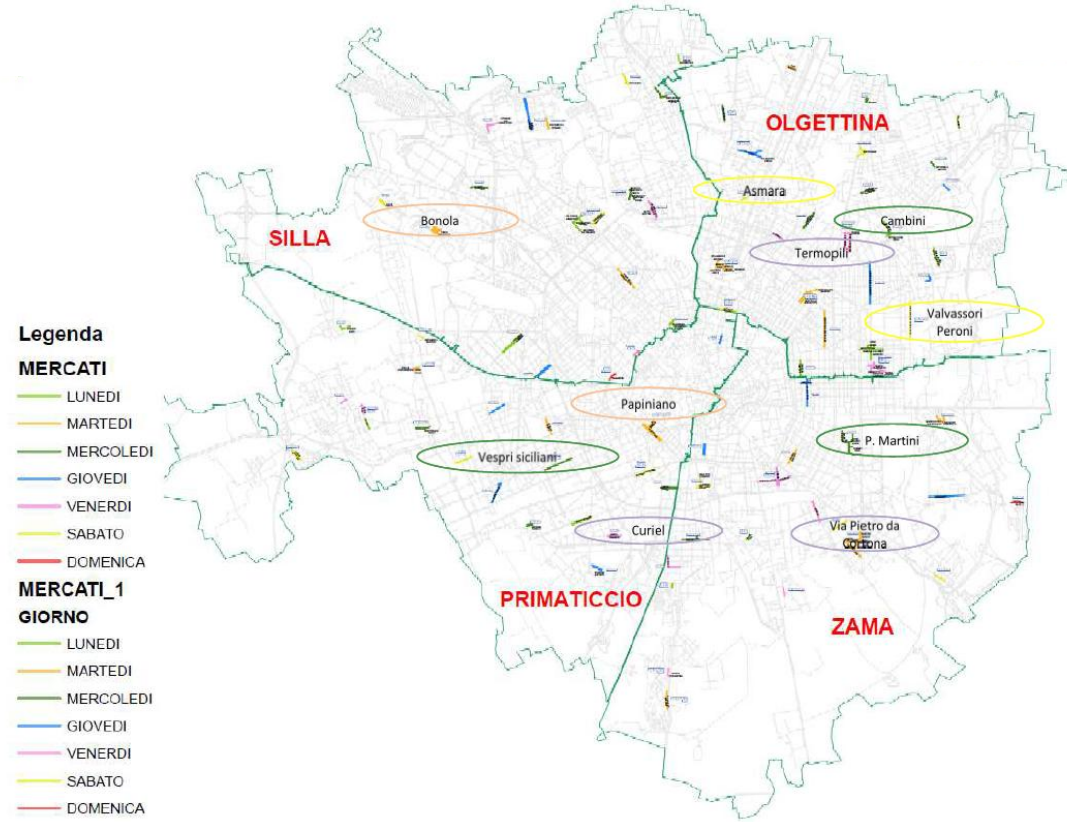
- 9 - 135 PASTI/GIORNO
- 136 - 265 PASTI/GIORNO
- 266 - 390 PASTI/GIORNO
- 391 - 550 PASTI/GIORNO
- 551 - 645 PASTI/GIORNO

CANTEENS WITH FOOD DONATION ACTIONS

- 14 - 190 PASTI/GIORNO
- 191 - 350 PASTI/GIORNO
- 351 - 550 PASTI/GIORNO
- 551 - 700 PASTI/GIORNO
- 700 - 880 PASTI/GIORNO

+ COOKING CENTERS

FOOD LOSSES RECOVERY IN OPEN STREET MARKETS (2017)



Waste Management Municipal Agency is supporting a non-profit association active in the open street markets for food recovery and donation by engaging people in need.

11 pilot market on total of 86
 150kg / market / week
90 Tons per year



To support the recovery from **small local actors**, the **municipality** facilitated an **agreement** among a **university lab** (model management and data analysis) and a **private sector union** (that gathers supermarkets and companies with canteens) to develop a pilot project in three neighborhoods for food losses redistribution at local level.

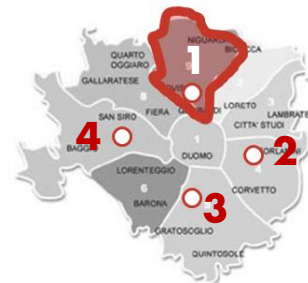
Food Losses: **70 Tons** per year for each hub (250kg per day)

The first "Local Food Waste Hub" will be **hosted in a space** offered by the Municipality of Milan.

Actors in the first pilot area

5 private canteens, **3** supermarket, **1** street market, **5** non-profit organization

In the course of the pilot year the **input and output flows** of donation in the hub **will be monitored** and this knowledge will be spread to **another 35 local organizations** mapped by the Food Policy.



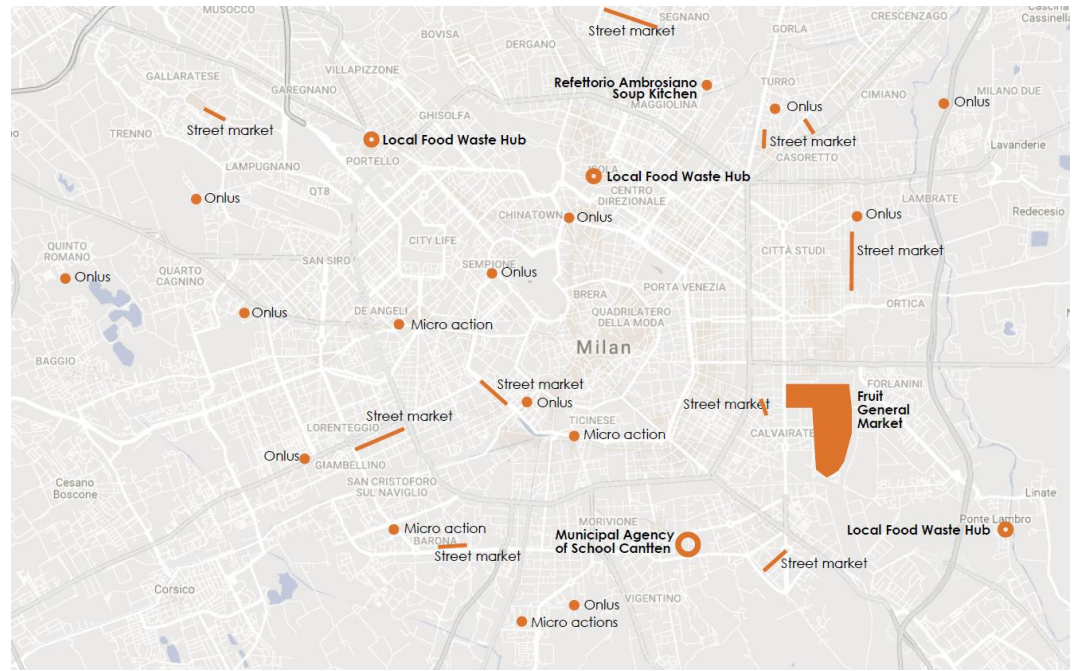
ASSOLOMBARDA
Confindustria Milano Monza e Brianza



Conferenza stampa di presentazione Intesa Anti Sprechi, 2016.



MAPPING LOCAL NON PROFIT ORGANIZATIONS (2018)

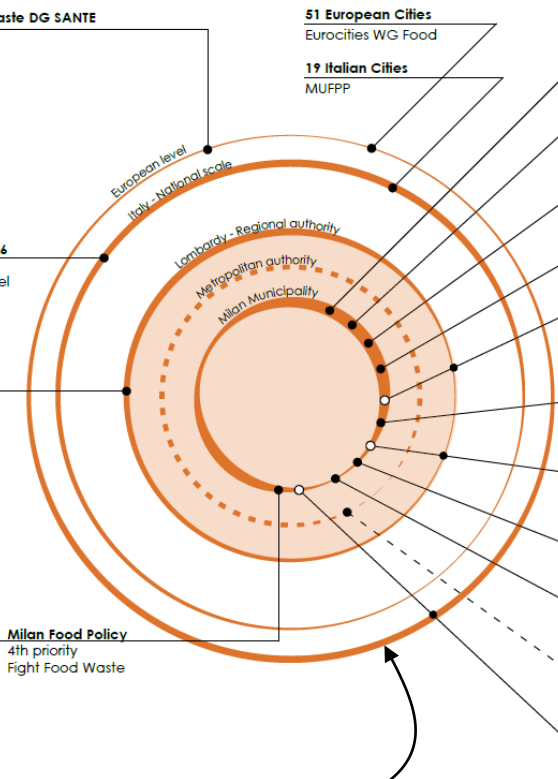


Building **common initiative** through workshops involving **35 local actions**.
 Presence of **funding opportunities** build by
 Municipality (1 mln euro), and Cariplo Foundation (5 mln euro).



POLICY INSTRUMENTS

- EU Platform for Food Losses and Waste DG SANTE**
 - EU Guidelines for Food Donation
 - Spreading the knowledge
 - Refresh Community of Expert
- Food Waste National Law 166/2016**
 - introduction of the possibility of Tax Reduction at Municipal level
- Lombardy Region DG Environment**
 - Agreement with Distributors
 - Food Donation Fund
 - INTERREG CircE
- Food Losses redistribution**
 - Waste Tax reduction 20% for food businesses
 - Agreement with University and Private Sector association
- Prevention and Education**
 - Morning break with fruit
 - 31.000 doggy bag
- Circular Economy**
 - Biowaste for Compost and Biogas



EACH CIRCLE IS A DIFFERENT INSTITUTIONAL LEVEL

URBAN PRACTICES

- 51 European Cities**
 - Eurocities WG Food
- 19 Italian Cities**
 - MUFFP
- 3 Local Food Waste Hub**
 - 250 kg / day = 70 T / year
- Refettorio Ambrosiano**
 - Soup Kitchen 90 meat / day
 - 87 volunteers = 15 T / year
- Recup 11 Street Market**
 - 120kg/market/week = 73 T / year
- Ciessevi Local Actions Mapping**
 - map and support of micro action
- Regional Authority Against Waste**
 - 16 Municipalities, 11 non profit
 - 9 supermarkets, consumer associations
 - 830 T (2015) 9 supermarkets in Milan
- Banco Alimentare - Food Bank**
 - in Milan 3.492 T / year
 - 249 private sector operators
- Fondazione Lombardia per l'Ambiente local research action**
 - in Milan 5-10 kg food waste / mq / year
 - 20-30 € / mq / year
- Fruit General Market**
 - donation to Food Bank 424 Ton (2016)
- 76 School Canteens**
 - 50 T bread - 91 T fruit
 - 31.000 doggy bag
- 5 actions in metropolitan area**
 - Canegrate, Opera, Abbiategrasso, Cernusco, Cinisello
- TRIFOVAL London**
 - Milan Replicant City - Campaign



Lombardy Region, Stakeholder Group CircE project, November 2017.



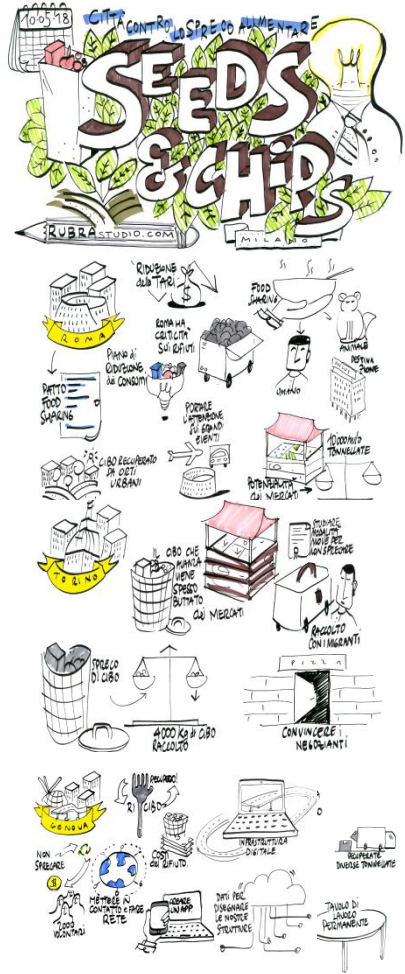
The city is part of the **Interreg CircE** stakeholder group, led by Regional Authority, on circular economy focused on food waste.

Milan is supporting the Regional Authority for **spreading the Tax Reduction** in other Lombardy municipalities

ENGAGING OTHER ITALIAN MUFPP SIGNATORY CITIES (2018)

Political talk with other Italian cities for sharing knowledge:

- Rome** – Local network of food donation
- Milan** – Tax reduction for food donation
- Turin** – redistribution from local markets
- Genoa** – ICT platform and local network
- Modena** – food bag in canteens and restaurants
- Cremona** – actions in school canteens



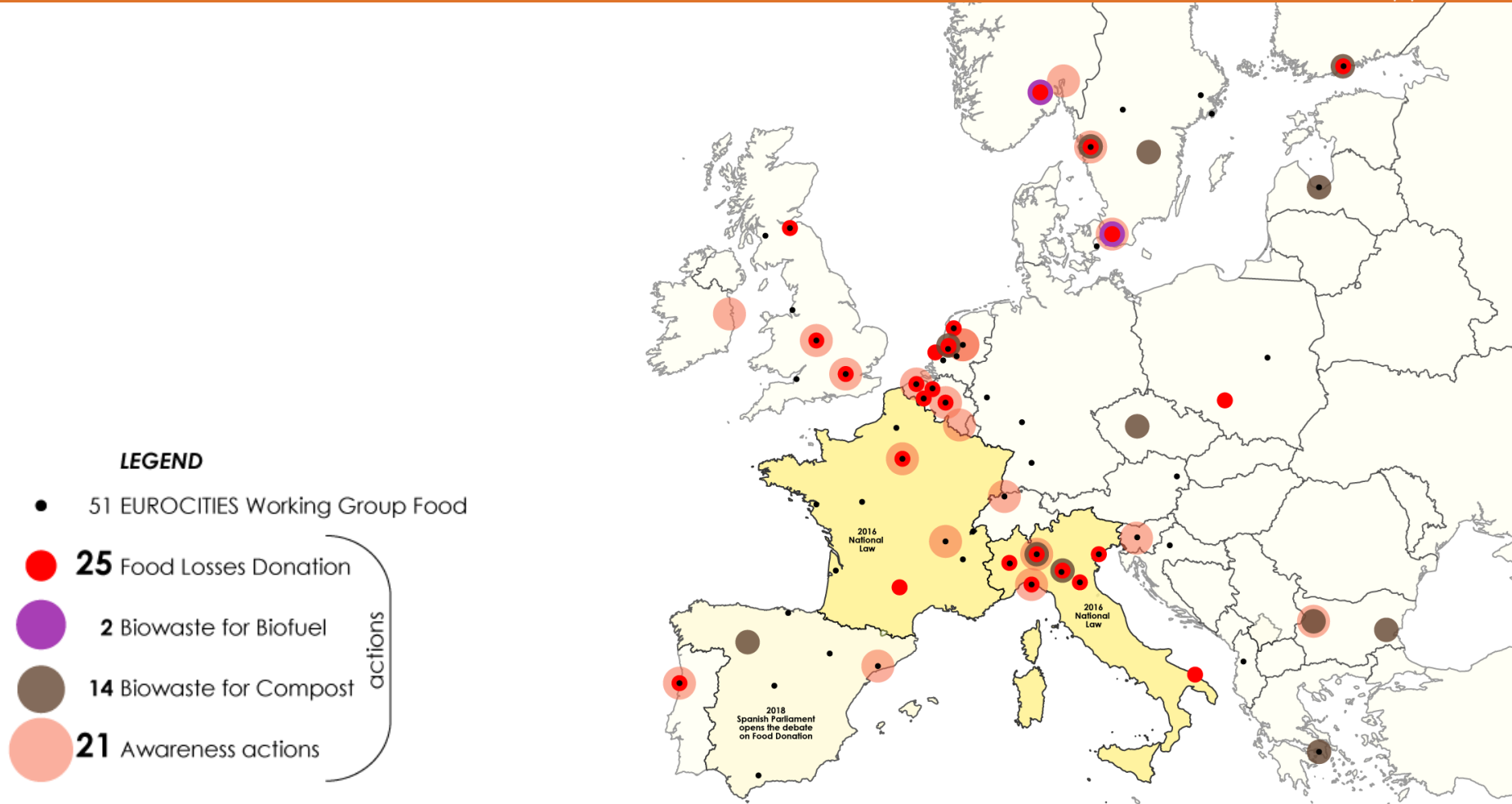
AMSTERDAM MEETING WITH 33 EU CITIES ABOUT FOOD WASTE REDUCTION (2018)



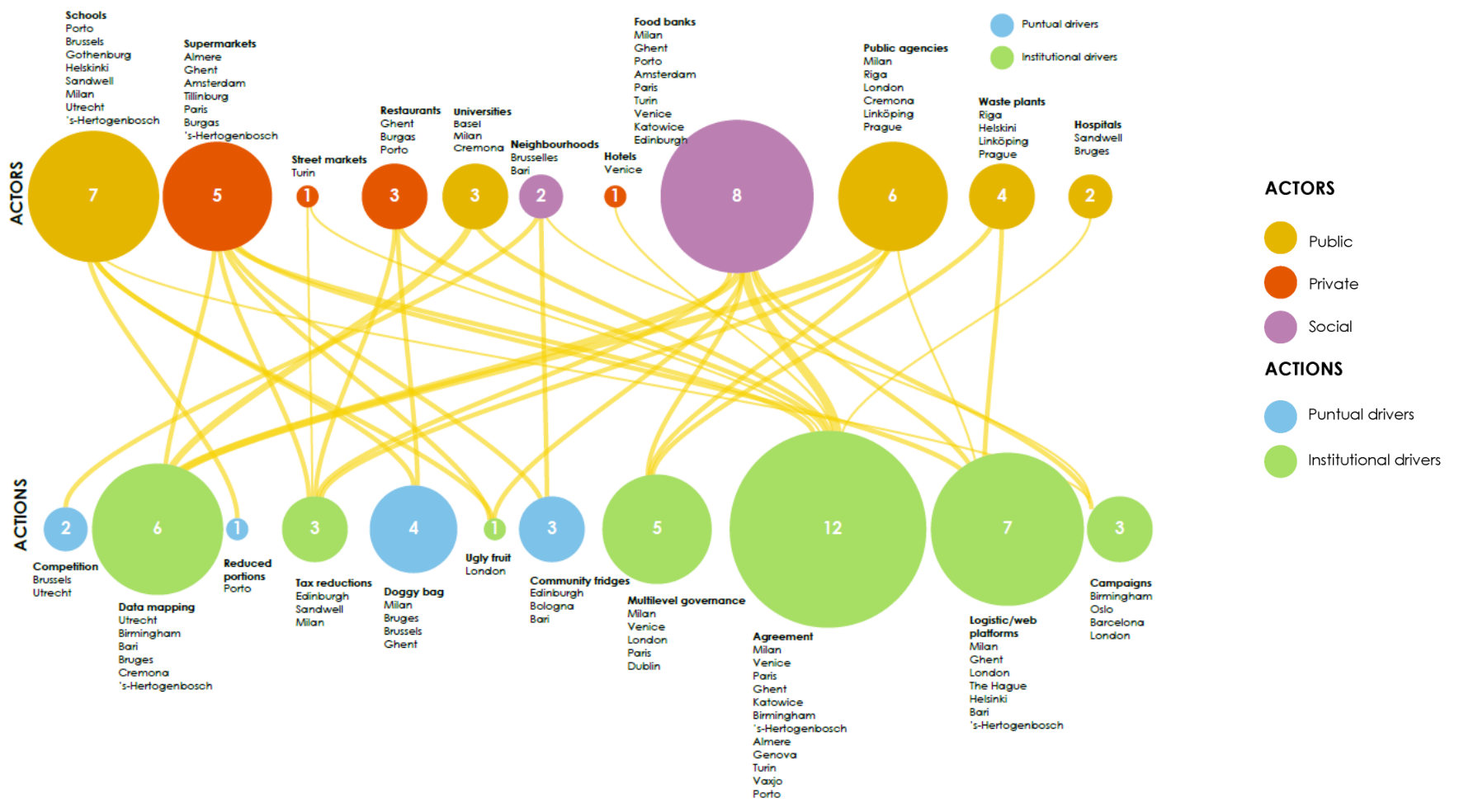
From 2016 Milan chairs the **Eurocities Working Group Food** with 51 member cities.

4 April 2018: Working Group Food meeting in Amsterdam on Food Losses and Waste to collect urban practices engaging **city officers** and **municipal agencies**.





ACTORS INVOLVED AND ACTIONS DEVELOPED (2018)



1. Cities need to **analyze their food system** and public drivers **to discover food losses** (municipal agencies, public markets, school canteens, etc.).
2. Cities need to **understand and reinforce the local actors** active in networks of FLW for food donation.
3. Cities need to **create umbrella initiatives** (like platforms, networks, incentives, campaigns etc.) in order to offer concrete actions to their stakeholders and reach common goal.
4. **Urban networks** (Eurocities, FoodWIN, C40, etc.) play a fundamental role for exchanging experiences, inspire and train city officers.
5. Cities need **municipal officers dedicated to food policy** that will work with multidimensional approach engaging and facilitating common initiatives to different city departments, municipal agencies, research centers, food banks, main stakeholders and local actors, major food businesses.

