

# AESOP4Food

## *Sustainable Food Planning Seminar*

PHASE II\_1 / 2024 MAPPING  
*March 14, 2024*



*This session will be recorded, so if you do not want to be seen you need to switch off your camera.*

*the interactive part and the Q&A will NOT be recorded.*

Roger Raveel, Voor een blauw gelijnde akker en een grijze lucht , 1975

# Phase II. Mapping\_I



## Introduction

by Marian Simón Rojo, Universidad Politecnica de Madrid

## Spatial participatory food (systems) mapping

by Katrin Bohn, Bohn&Viljoen Architects, School of Architecture & Design, University of Brighton

**Q&A (dynamic)** on food assets mapping and participatory design

## Next session + compulsory reading:

One planet network UNenvironmentprocessing, distributing



Image: Distretto Agricolo Milanese. Rural Visitor tour of Milans's Farms



# Phase II. Mapping

## map

verb [T]

UK  /mæp/ US  /mæp/

-pp-



to represent an area of land in the form of a map:

- *Parts of the mountainous region in the north of the country have still not been mapped.*



to represent how the parts of something are organized or arranged:

- *The first human genome was mapped in 2003.*
- *Check that all network drives are mapped correctly and are not showing up as disconnected.*

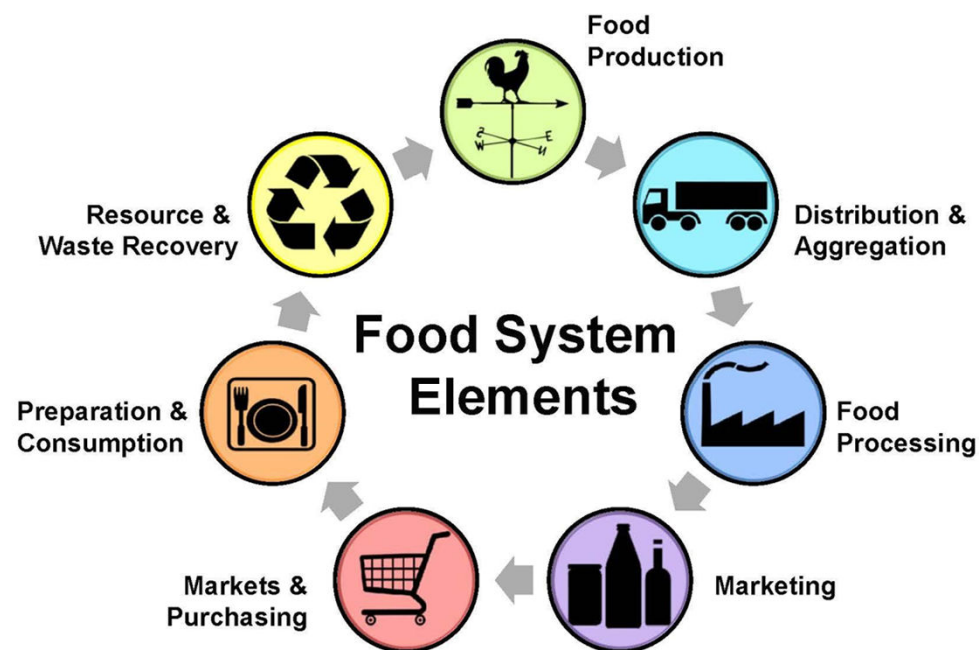


to connect a set of values to another similar set, using a particular method or rule:

- *The findings suggest that children learn these words and map them **onto** concepts already present.*



# Mapping ELEMENTS along the food chain

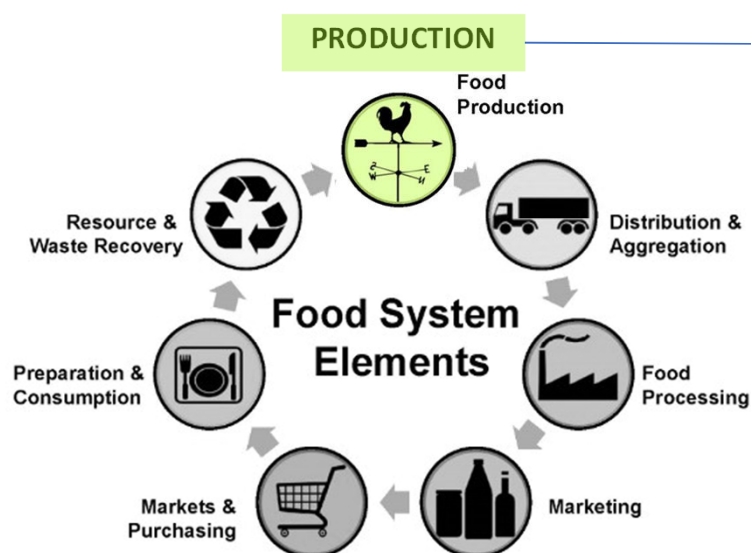


*Adapted by Christy Shi, Center for Environmental Farming Systems.  
From: Wilkins, J. and Eames-Sheavly, M. Discovering the Food System; An experiential learning program for young and inquiring minds.  
Cornell University, Departments of Nutritional Science and Horticulture. <http://www.discoverfoodsvs.cornell.edu/>*



# Mapping ELEMENTS along the food chain

1. Which part(s) of the food chain?



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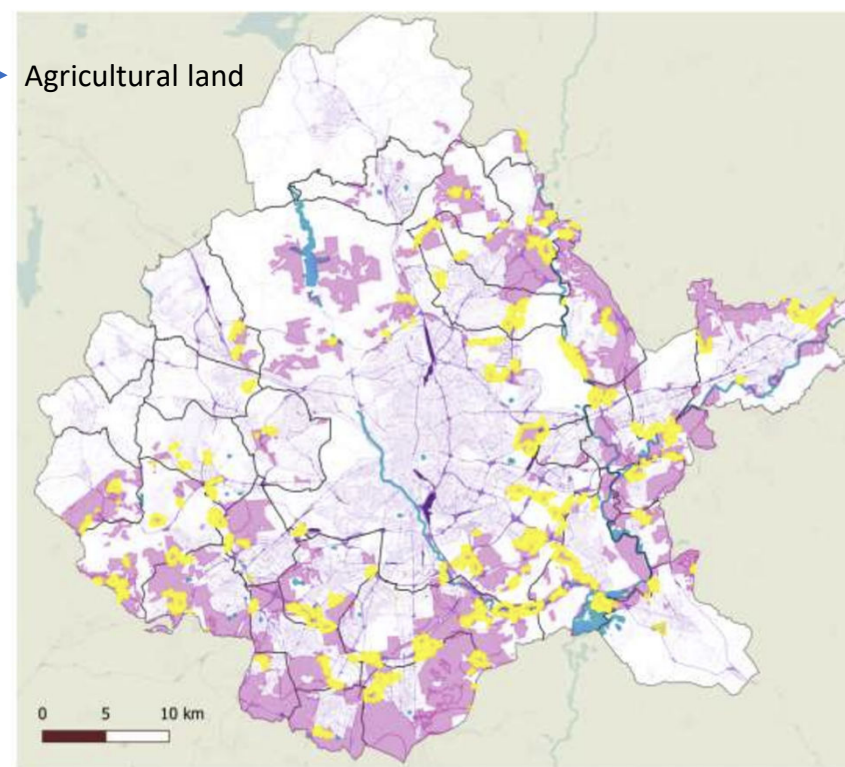


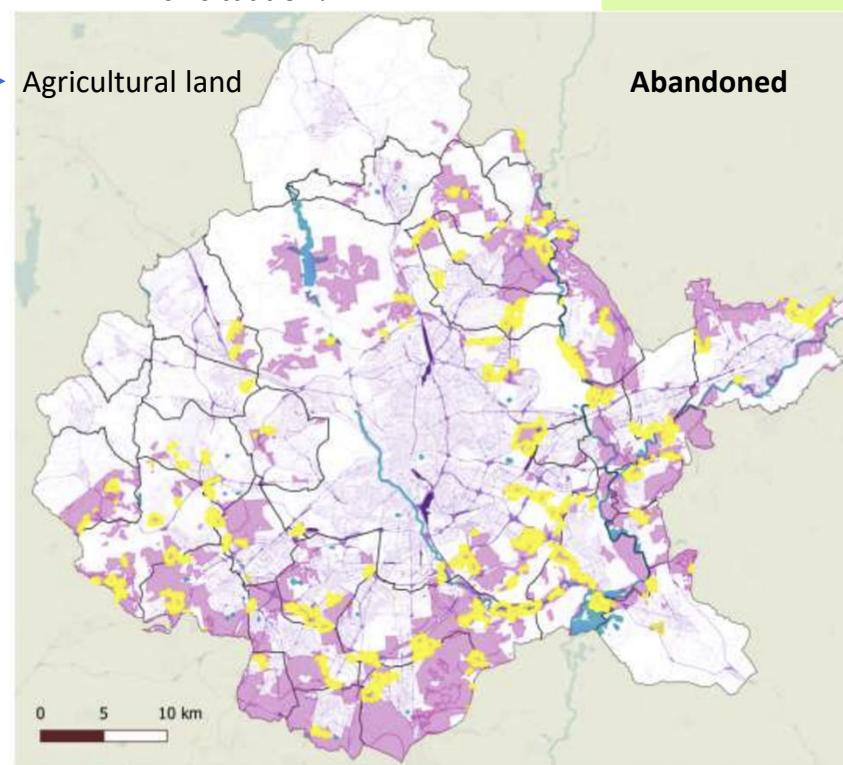
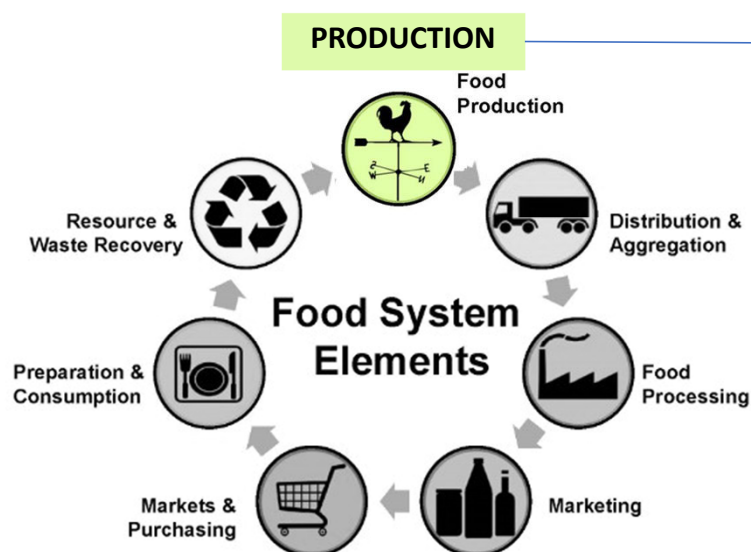
Ilustración 14. , Suelos abandonados en zonas estrategia Food Living Labs

# Mapping ELEMENTS along the food chain

1. Which part(s) of the food chain?

2. In which situation?

POTENTIAL



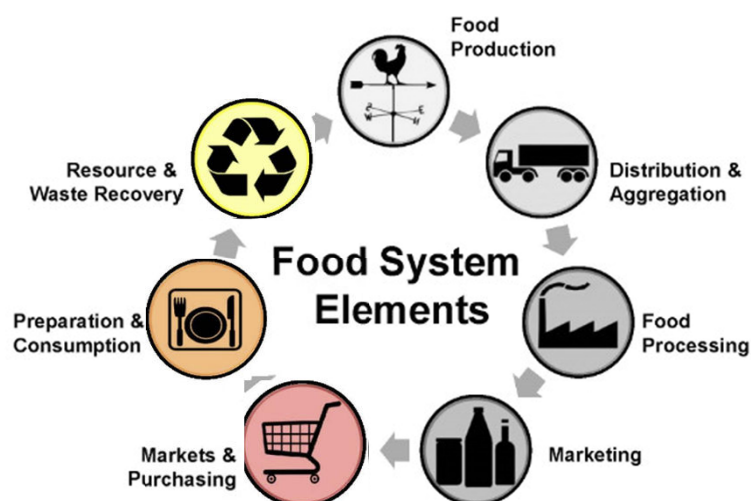
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2021SimonRojoetal-SuelosAgrariosAbandonados.pdf (upm.es)

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# Mapping ELEMENTS along the food chain

1. Which part(s) of the food chain?



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2. Which interactions?

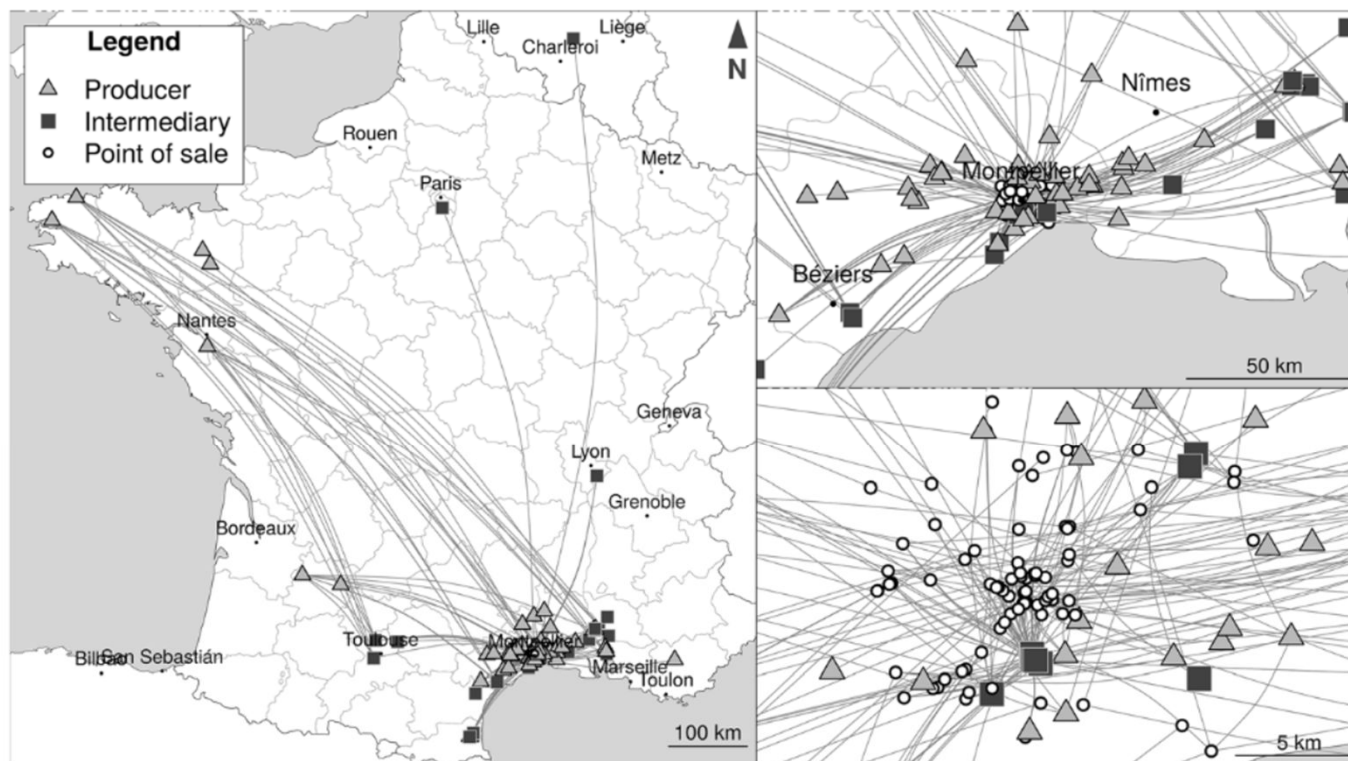
NEIGHBOURHOOD



EASS1820Madrid\_MEMORIA2019.pdf



# Mapping FLOWS

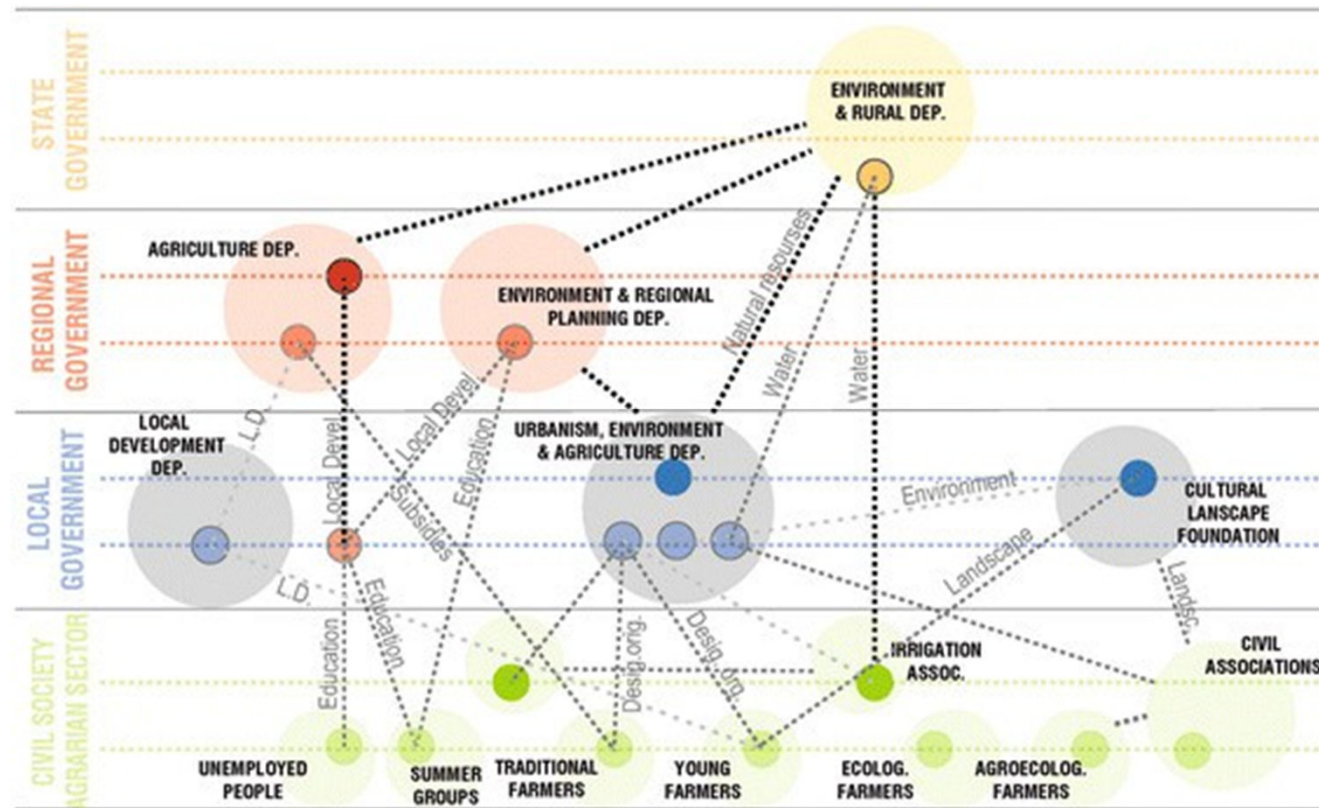


**Fig. 4** Flows of in-season tomato supply for Montpellier. Source: IGN (2018) and authors. Realised with igraph 1.2.5, sf 0.9.4 and cartography 2.4.1 R packages

Chiffolleau et al, 2020



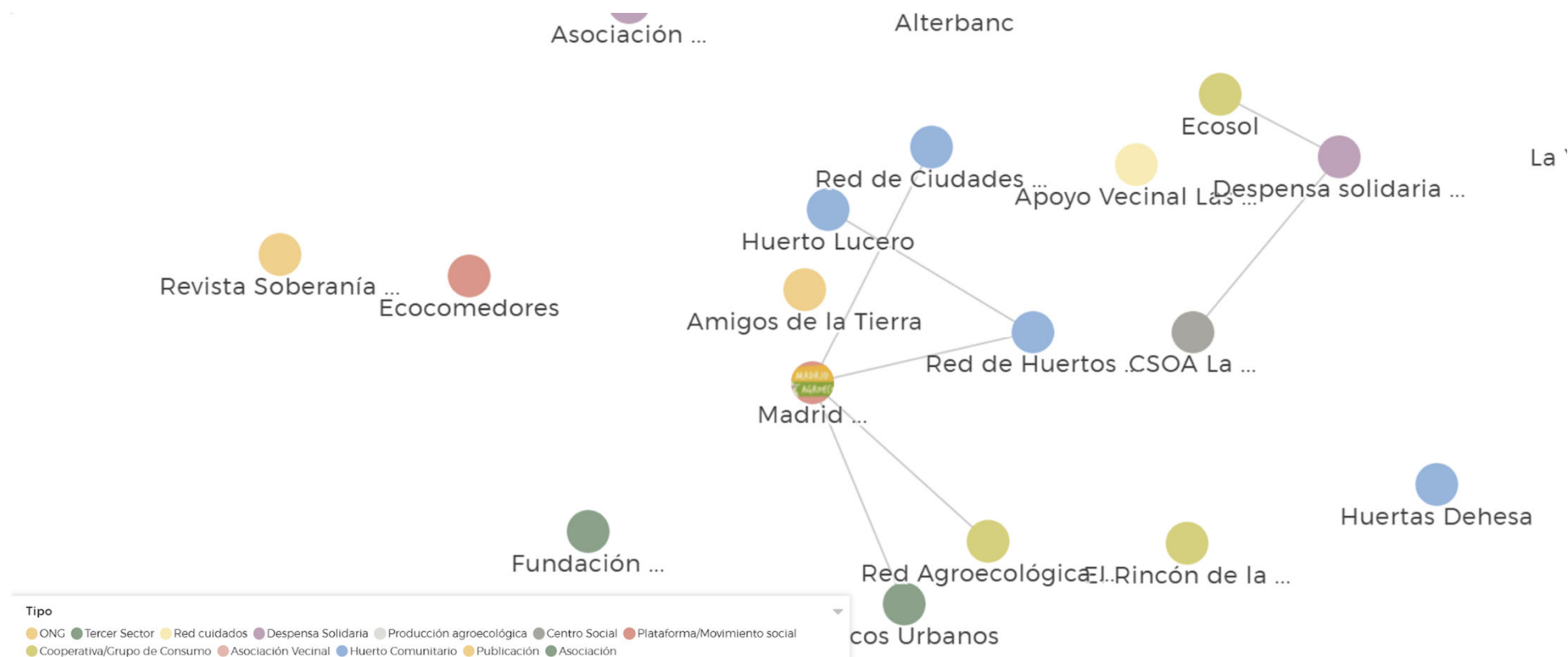
# Mapping ACTORS...and relationships



Pathways towards the integration of periurban agrarian ecosystems into the spatial planning system | Ecological Processes (springer.com)

Territorial stakeholders' perception and management of the territory in Aranjuez; 2013.

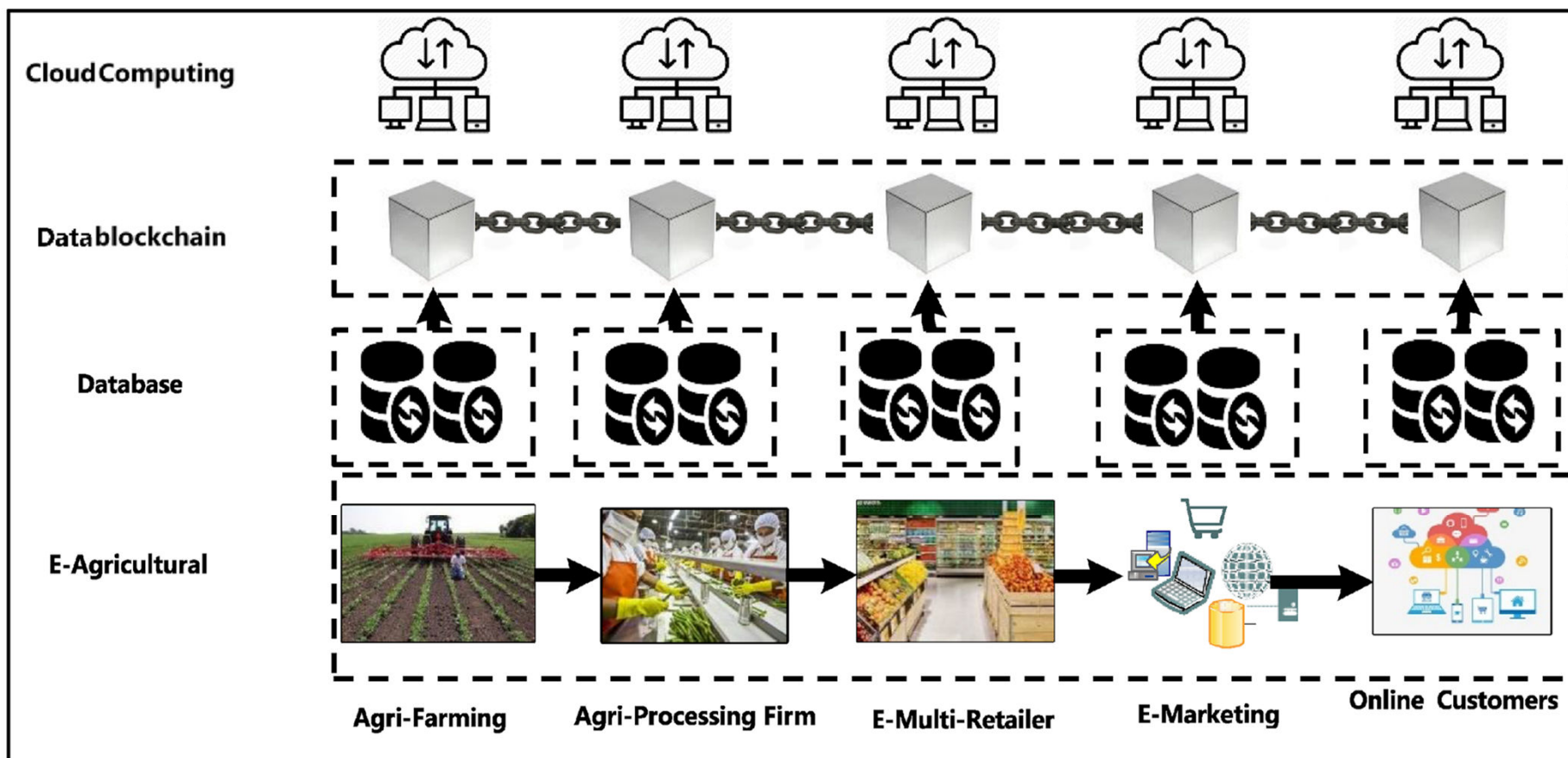
# Mapping ACTORS participatory tools



Onodo

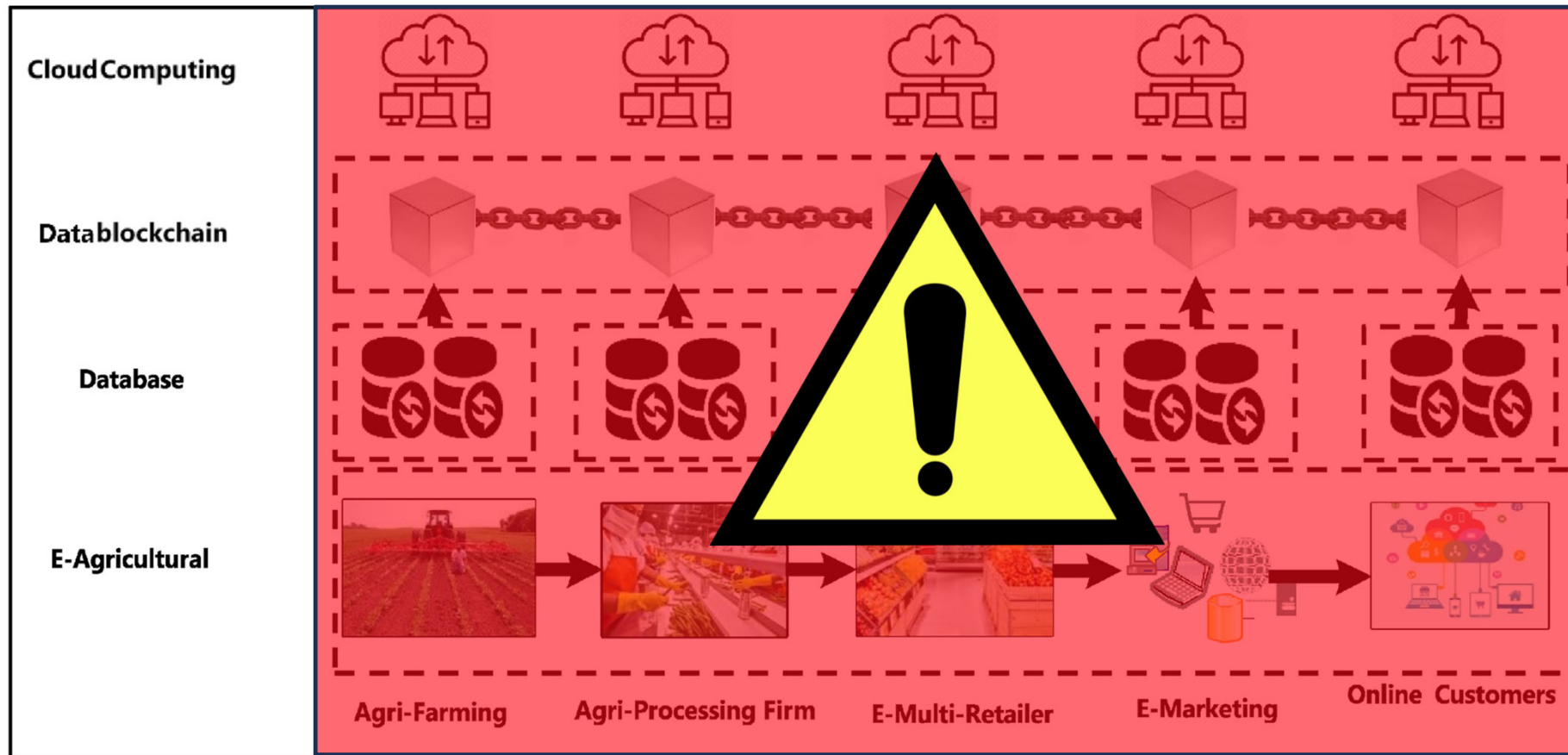


# Mapping the food SYSTEM



Sustainability | Free Full-Text | E-Agricultural Supply Chain Management  
Coupled with Blockchain Effect and Cooperative Strategies (mdpi.com)

# Mapping the food SYSTEM



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## Mapping as a leverage for Food System Change

Mapping Power

Mapping Assets+Resources





# Food system transformation



**Hybridation between transformative and conventional practices**

**Intensification of ongoing transformative dynamics**

**Visibilization of ongoing transformative dynamics**





# Food system transformation



## Hybridation between transformative and conventional practices

Mapping : Recognition of places areas for positive virtuous circles

## Intensification of ongoing transformative dynamics

Mapping: Recognition of expansion potential

## Visibilization of ongoing transformative dynamics

Mapping: Recognition of ongoing processes and experiences as “lighthouses”

# Mapping POWER?



Source: Collaborative Framework for Food Systems Transformation

## 2. Identify the stakeholders:

- 2.a Engaged/promoting transformation (Green)
- 2.b **Hindering** transformation (Red)
- 2.c Not engaged, but **potentially an ally** (Blue)

## 4. Show the power.

Add 1 to 5 stars to each stakeholder, according to the power they hold

Icons made by Freepik & Nicos and Senous from www.flaticon.com



# Mapping POWER?



Source: Collaborative Framework for Food Systems Transformation

<https://forms.gle/8UcDbgF98q15dd63A>

Who has the power to change the food system?

Who can be mobilized?

Madrid Salud



**Health**

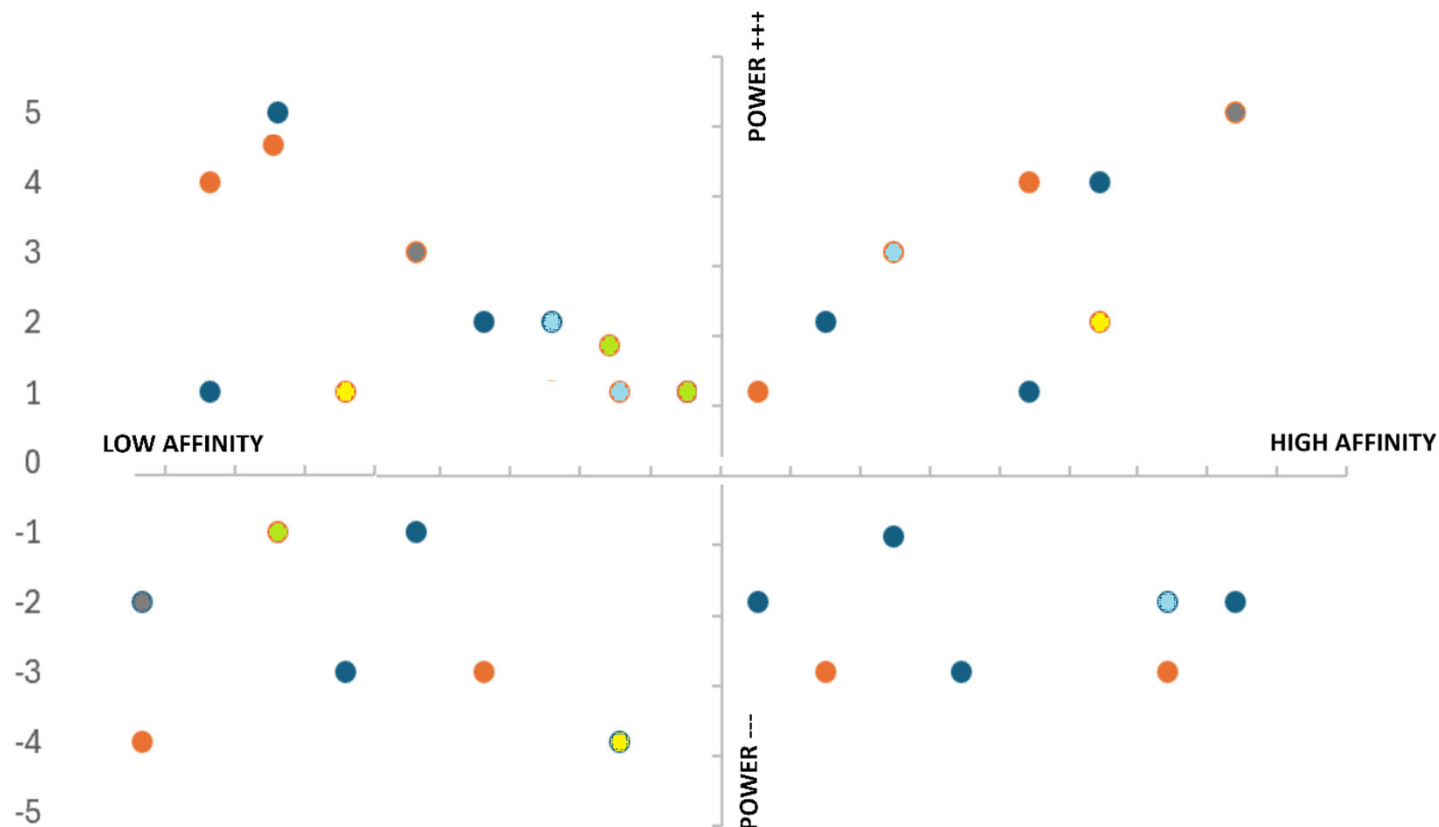
**Attitude to AFN**  
indifferent, AFN are out of their scope

**PP Position**  
Mainly worried about food security and regulation concerning manipulation of food. Also concerns about messages that collide with their own ones

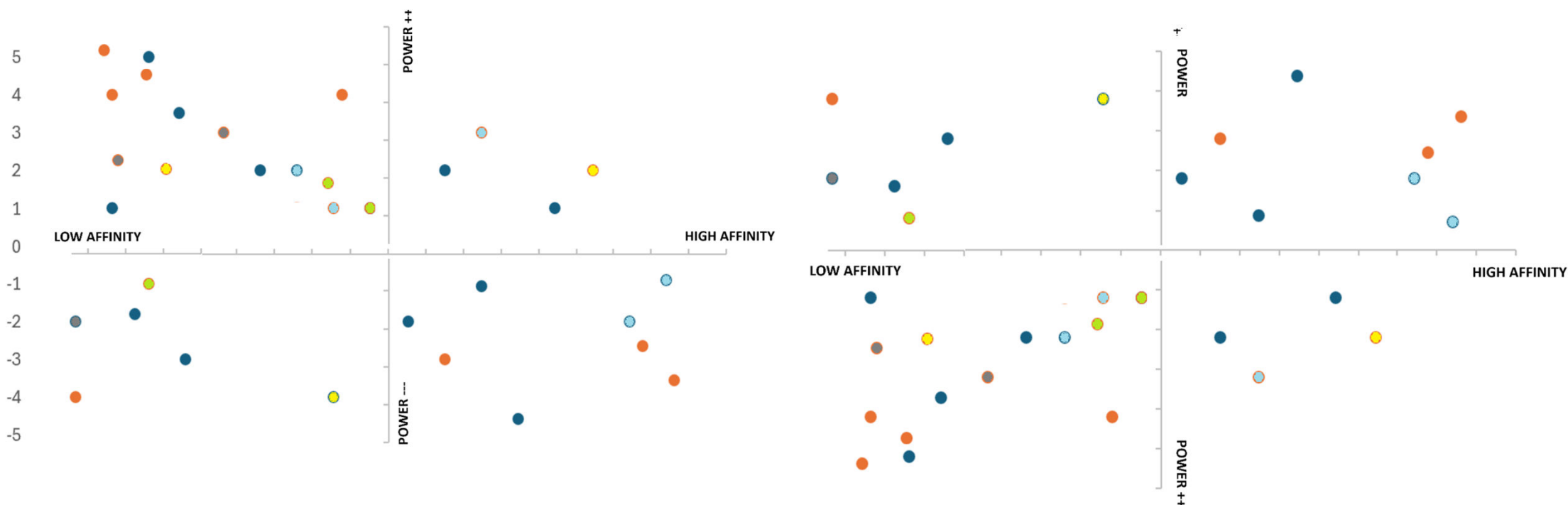
**Power**  
High, well considered & consolidated structure

Icons made by Freepik & Naze and Senous from www.flaticon.com

# Mapping POWER?



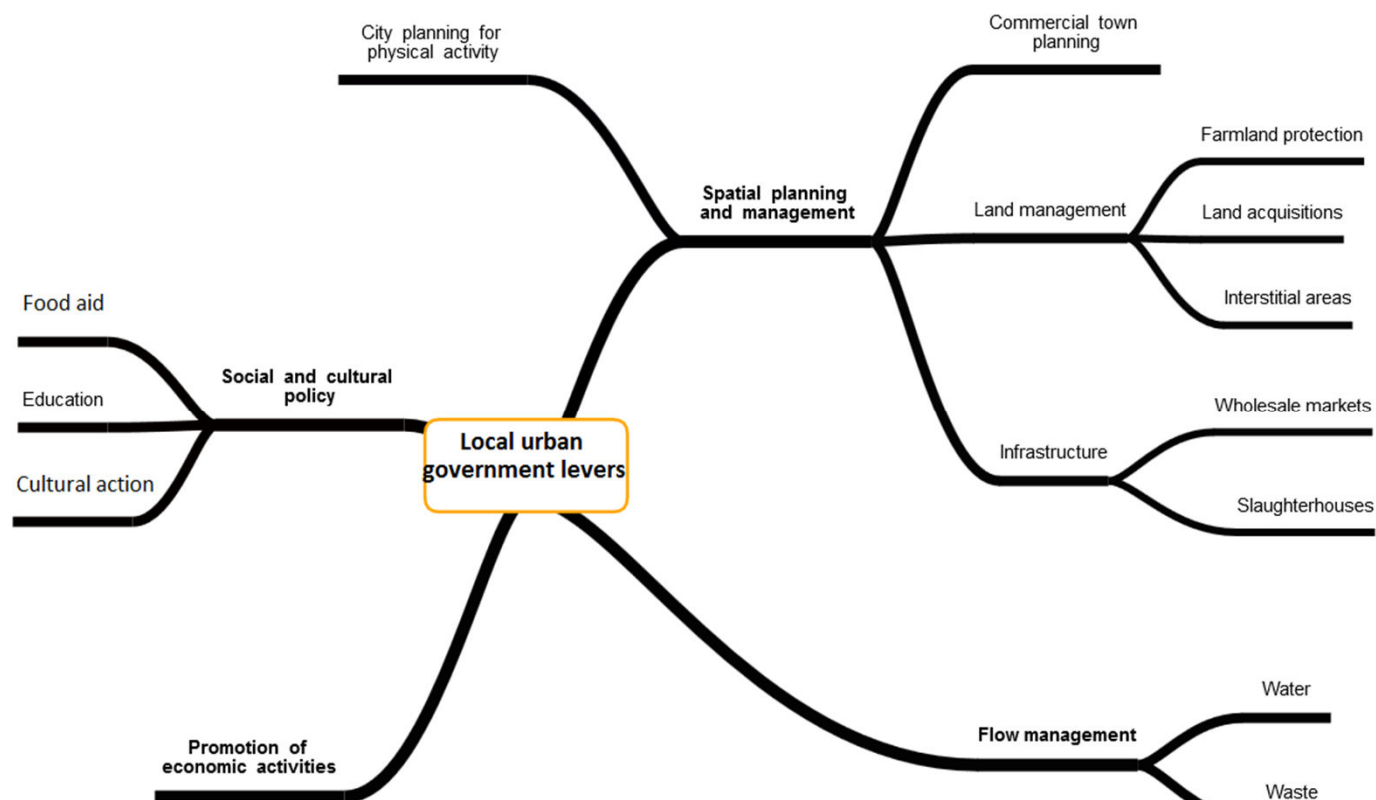
# Mapping POWER?





# Mapping as a tool to define local public policies in support of SFS

IDENTIFYING  
ASSETS  
GAPS  
....



[https://miro.com/welcomeonboard/c3BT5XBaYjZQW93QzBydmtia3BXTXI CVFh3QmF3NXZyUlhvaUFWVlhiTHIxeKtTeGNaV0NKeENVWHNFeU8yTn wzMDc0NDU3MzUxNTY3MjE0MzM0fDI=?share\\_link\\_id=268614967722](https://miro.com/welcomeonboard/c3BT5XBaYjZQW93QzBydmtia3BXTXI CVFh3QmF3NXZyUlhvaUFWVlhiTHIxeKtTeGNaV0NKeENVWHNFeU8yTn wzMDc0NDU3MzUxNTY3MjE0MzM0fDI=?share_link_id=268614967722)



**Fig. 5** Agricultural Land Use and Type in Leeds City Metropolitan Area





# Outlook Phase II. Mapping\_II – March 21



## Introduction

## Mapping for food system change

by Jessica Milgroom, Assistant Professor (Research), Centre for Agroecology, Water and Resilience

## Mapping urban food systems. From city to countryside

by Ana Zazo Moratalla, Universidad Rey Juan Carlos (Spain)

## Final remarks