

THE MILAN CITY LAB

Co-designing education and trainings for a future proof transformation of the local food system

MUSEO
NAZIONALE
SCIENZA
E TECNOLOGIA
LEONARDO
DA VINCI



Matteo Villa

National Museum of Science
and Technology
“Leonardo da Vinci”
Milan, Italy

The 5th international
conference of the
Joint Programming Initiative ‘A
Healthy Diet for a Healthy Life’

20th February, 2019 - Brussels



MUSEUM?

“A museum is a non-profit, permanent institution **in the service of society and its development, open to the public**, which acquires, conserves, researches, communicates and exhibits the tangible and intangible heritage of humanity and its environment **for the purposes of education, study and enjoyment.**”

(International Council of Museums Statutes, 2007)



MUSEUM?

“Il Museo è vivo, di tutti, aperto a tutti. Oggi il mondo cammina a ritmo vertiginoso e tutti ne cerchiamo le ragioni e le possibilità.
Il Museo vive, è il Museo del Divenire del Mondo.”

Guido Ucelli – Museum Founder



MUSEUM?

The cultural offer

- 17 exhibitions
- 13 interactive labs
- 155 educational programs
- 1 Research Centre on Informal Education - CREI

Visitors

- 500.000 individual visitors per year
- 4500 school group



SCIENCE AND SOCIETY

A place for **public engagement in science**, to share the activity and benefits of research.



SCIENCE AND SOCIETY

MUST and Responsible R&I

- Developing scientific competences for future jobs
- Aligning values, needs and expectations of all actors involved in Research and Innovation
- Building responsible citizenship in science



INFORMAL LEARNING

Interactive labs activities

Direct and open exploration of the scientific phenomena

In the interactive labs:

- Math
- Tinkering&Making
- Leonardo
- Food&Nutrition
- Biotech
- Genetics
- Materials
- Energy
- Chemistry
- Electricity
- and more...



INFORMAL LEARNING

Formats for the dialogue

Meeting the science professionals to exchange questions and opinions

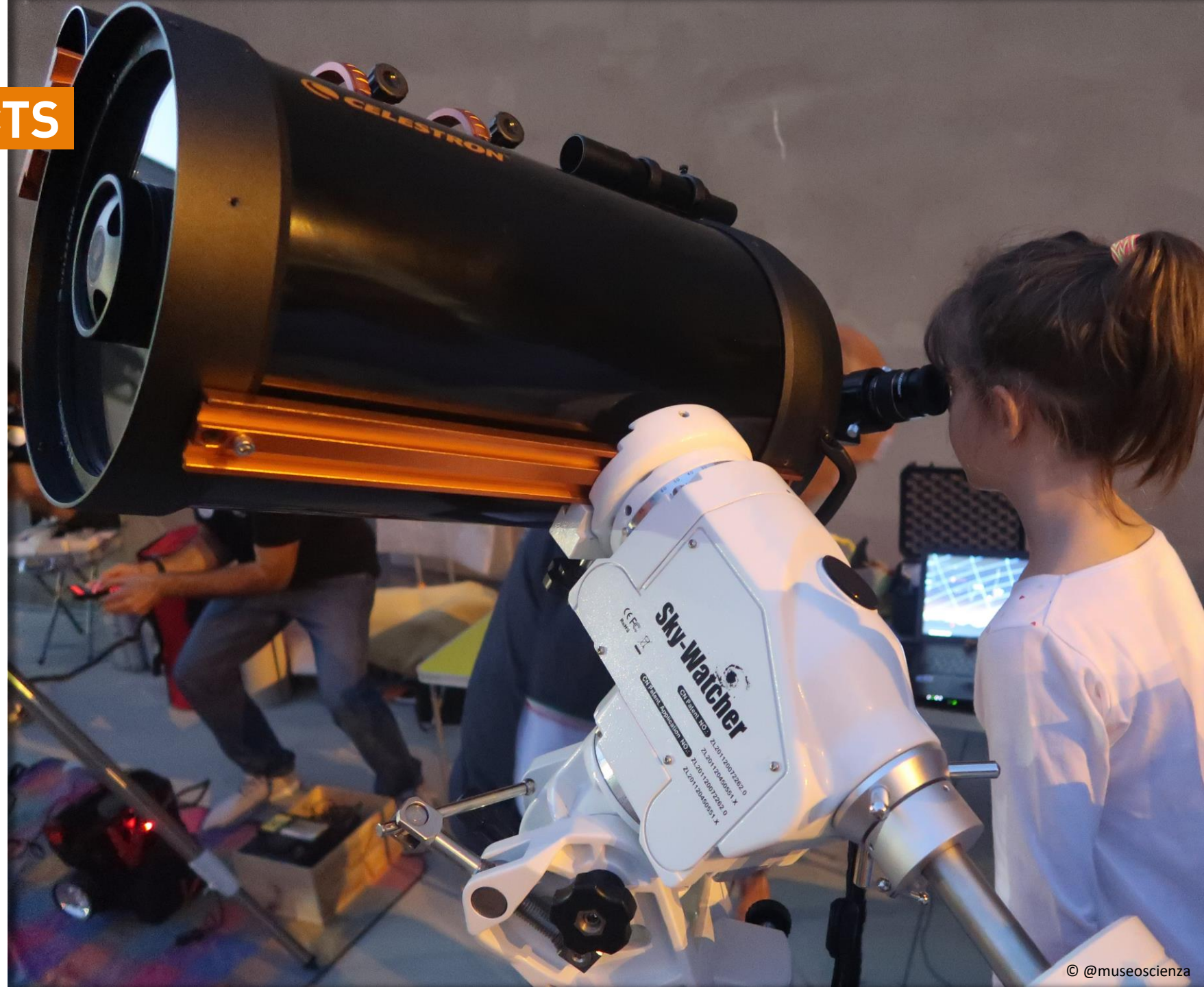
- Speed date
- Interactive shows
- Debate games
- Pitch marathon
- and more...



PROJECTS

Museum programs for public engagement

- EU projects
- Training for researchers
- Researchers' Night



FUTURE-PROOFING THE LOCAL FOOD SYSTEM

- Stakeholders engagement and networking
- System analysis
- Co-design of educational resources
- Creation of a local network



FOOD AND SCIENCE

Food as a key to explore
science in our everyday life

#FOODPEOPLE – The Exhibition

From fork to farm



FOOD AND SCIENCE

Food as a key to explore
science in our everyday life

#FOODPEOPLE – The Exhibition

From past to future



FOOD AND SCIENCE

Food as a key to explore
science in our everyday life

I.Lab Food & Nutrition

From the kitchen to the laboratory



MILAN CITY LAB

A LOCAL NETWORK FOR TRANSFORMATION

- Sharing different perspectives on the food system
- Creating a common vision
- Identifying areas of interests and needs
- Identifying competences
- Defining chances for collaboration
- Co-design educational tools



MILAN FOOD POLICY

Making the city more sustainable and inclusive, starting from food-related issues

- Building the network with the main players of the local food system
- Working in the frame of the local priorities
- Food and education

**Linee di indirizzo
della Food Policy
di Milano
2015-2020**

POLICY LAB

The national network to explore new ways of designing R&I policy

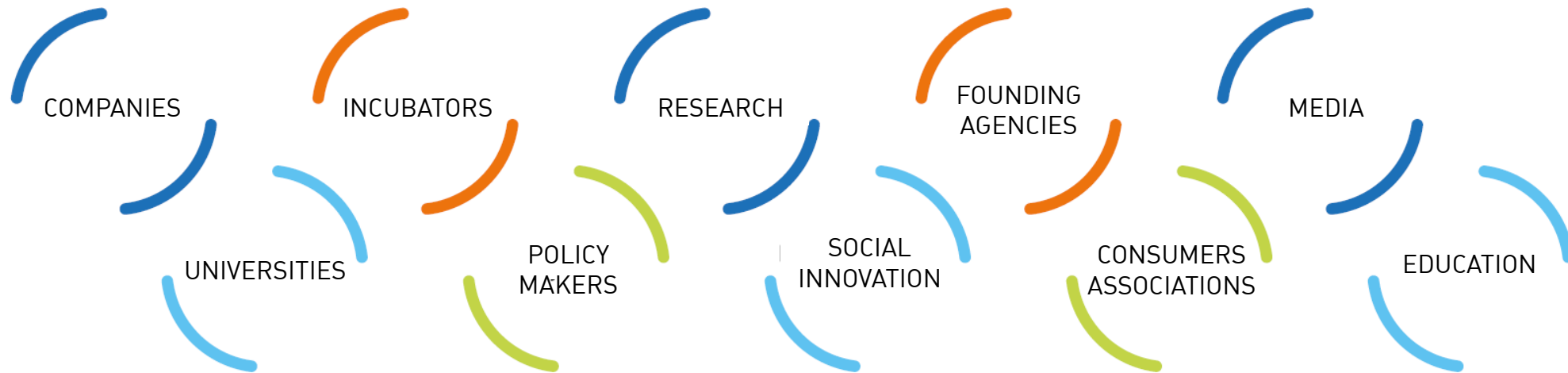
LOCAL LEVEL & NATIONAL LEVEL

- Sharing the feedback from different levels
- Participating as a mutual stakeholder
- Sharing contacts and the access to interesting nodes of the networks



CITY LAB MEMBERS

THE NETWORK



SYSTEM ANALYSIS

The **round table** with the food system actors

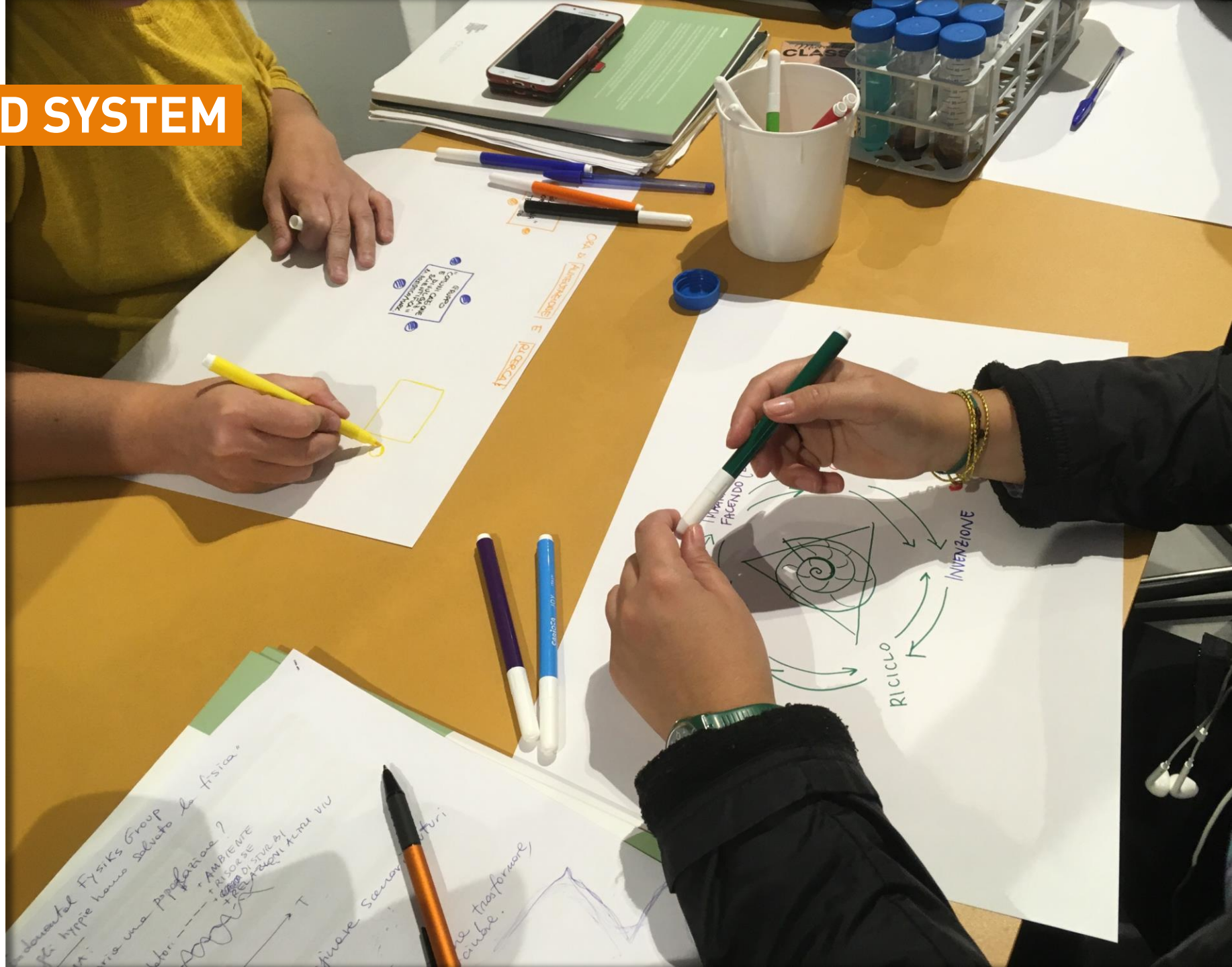
- Sharing needs and interests
- Case study analysis
- Vision for transformation



SCHOOL AND FOOD SYSTEM

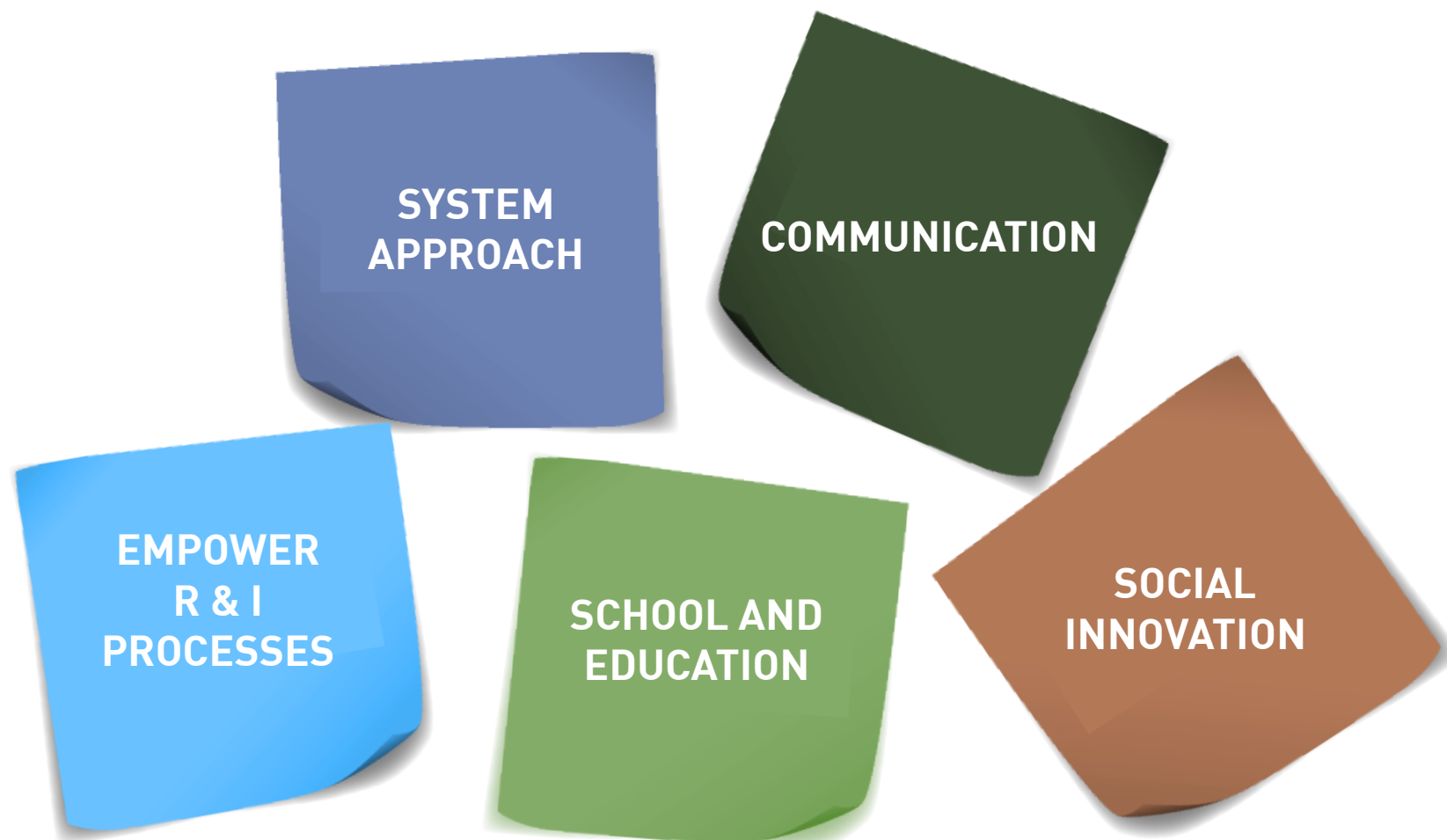
Visioning the **school** as the place to **experience** directly the different aspects of the **food system**

- In the kitchens
- In the school canteens
- Developing activities on food and research
- Exploiting open spaces to explore farming processes
- Integrating school programs with future challenges of the food system



SYSTEM VISION

THE KEY POINTS OF
THE CITY LAB VISION



EDUCATIONAL ACTIVITIES

Co-creating educational tools to foster the sustainable transformation of the food system

- Identifying target audience
- Sharing topics
- Prioritizing competences
- Identifying contests of implementation
- Designing formats for direct dialogue




NEXT STEPS

TOWARDS THE
PROTOTYPES



FIGHTING THE
FOOD WASTE IN
THE PUBLIC
MARKETS



TOOLS FOR
VISIONING AND
SYSTEM
UNDERSTANDING



FAKE NEWS



INNOVATIONS IN
FOOD
PRODUCTION



GRAZIE!

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