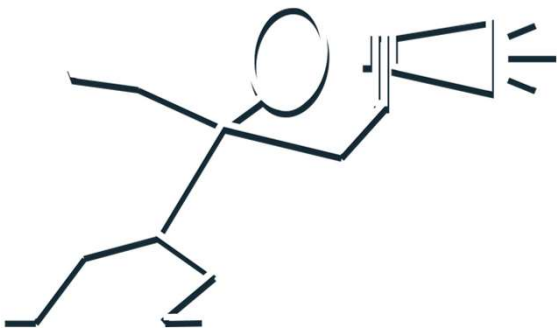


— université
— LUMIÈRE
— LYON 2



Science and Society: The Return of the Science Shop

The university linked to the territory

Florence Belaën, PhD, head of science and society department
Immersion visit University of Granada, 24/04/2024 -

BUILDING BRIDGES BETWEEN citizens and research : A new ecocystem in université lumière lyon 2

Université Lumière Lyon 2

3,000 research staff

1,000 professional services staff

29,000 students

1 Vice-Presidency dedicated to **Sciences & Society relationships**

Julia Bonaccorsi

1 national certification in 2022



→ LYSIERES2 project

1 new Department/Office : Direction Sciences et Société

Florence Belaën

Scientific mediation = sharing existing knowledge through innovative formats and events

Supporting emerging participatory research projects = building shared knowledge between researchers and civil society
→ **Boutique des Sciences / Science shop**

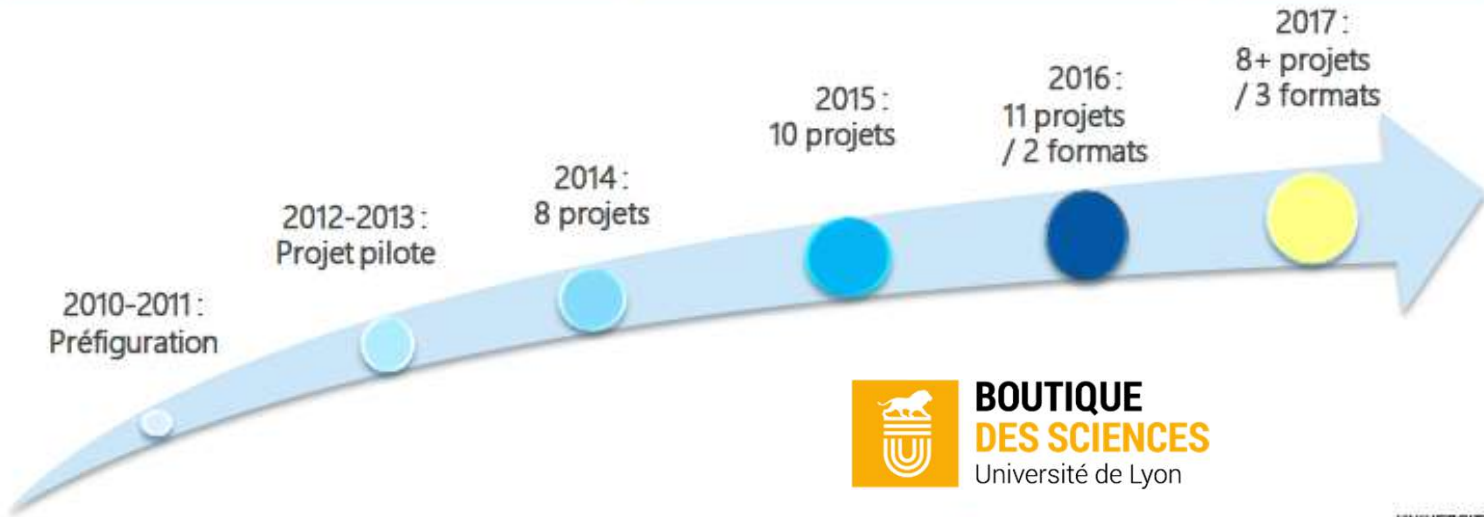
Musée des Moulages
Université Tous Âge
Continuing Education Office

Lyon Science Shop : A DECADE OF EXPERIMENTATIONS



— université
— lumière
— LYON 2

**La BOUTIQUE
DES SCIENCES**



2021 : transfer to
Université Lumière Lyon 2

2022 : SAPS certification

 **BOUTIQUE
DES SCIENCES**
Université de Lyon

GRANDLYON
LA DISTRICT

 **La Région**
Auvergne-Rhône-Alpes



 **Science
avec et pour
la société**

— université
— lumière
— LYON 2

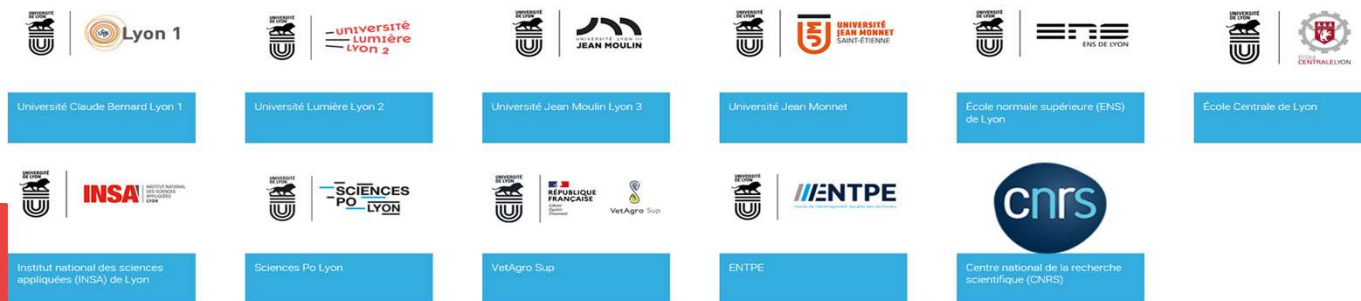
**La BOUTIQUE
DES SCIENCES**

A BROAD APPROACH to transdisciplinary and participatory research

Connections with “**Pôles de spécialités**” and **partnership-based research Chairs** = research clusters based around cross-disciplinary questions/themes

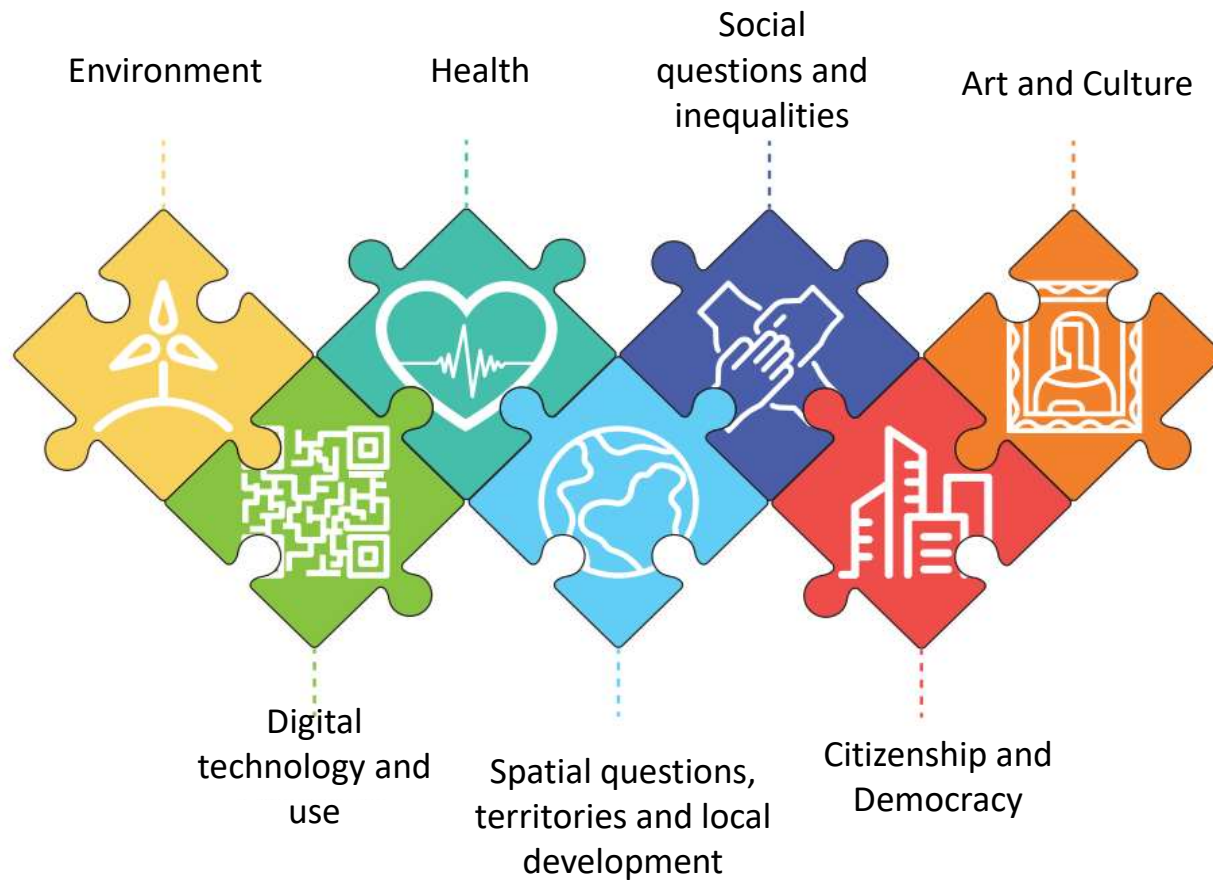


Connections with **all Universities, Research and High Education Institutes** in Lyon and Saint-Etienne :



 **LA BOUTIQUE DES SCIENCES**

AN Interface dedicated to a large variety of themes and research questions



→ Expertise in **Social sciences and Humanities**

→ A focus on **transitions** (environmental, economic, social, democratic, cultural, technologic, etc.)

An INTERMEDIATE APPRECIATION FOR PARTICIPATORY research

Participatory research :

Process of producing scientific knowledge that involves citizens (“non professional scientists”), participating to the research actively and intentionally. Charte des recherches participatives en France.

Level 4 - Collegial Research

Citizens and scientists share the project’s responsibilities, costs and decisions.

Level 3 - Collaborative Research

Citizens and scientists identify together the research problem/question and organize together the collection and analysis of data and the results diffusion.

Level 2 – Shared Intelligence

Citizens are involved in a basic level of data interpretation and analysis.

Level 1 – Crowdsourcing (data collection)

Citizens are involved in the collection of datas.

*Citizen's
Involvement
continuum*



Personnal translation of the article « Les sciences participatives et la démarche scientifique », 6 octobre 2017, *The Conversation*

Emancipatory/activist purpose

- **Empower citizens** and associations regarding life/work conditions
 - Act on systemic injustice and inequalities
 - Contribute to minorities recognition
 - Facilitate social/public innovation
- **Pluralize knowledge systems** and creation processes
 - Questioning scientific standards and the way knowledge is produced
 - Contribute to situated and experience-based knowledge recognition
- Criticize domination systems at work within the knowledge production processes

Practical and/or Critical purpose

- **Improve professional practices** by reflecting and criticizing in a partnership and collaborative approach
- **Optimize** the organisations **management** by producing usable knowledge in a short-term frame

Functional/Efficiency-based purpose

- **Maximize scientific production efficiency** (cognitive purpose)

Les recherches participatives : enjeux et actualités
Maite JUAN, Post-doctoral researcher / GIS Démocratie & participation

- Access datas and situations
- Make science more accessible

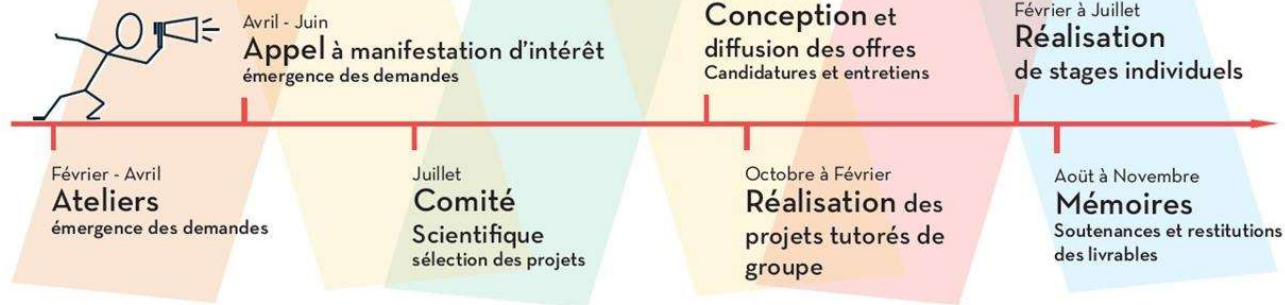
Participatory
research
purposes
continuum

HOW DO LYON SCIENCE SHOP PROJECTS ACTUALLY

STEP 1 : Collecting research linked social demands through a CSOs network

- 1) Lyon Science Shop opens its annual Call for Propositions /Partnerships
- 2) Associations, organizations or citizen groups contact the Science Shop around a topic they would like to explore with the support of research

De l'émergence des idées à la restitution des résultats, l'équipe de la Boutique des sciences accompagne toutes les étapes avec un calendrier couvrant une année et demi de collaboration :



STEP 2 : Problematizing/translating the demand in a scientific research question

- 1) Science Shop mediators discuss this topic and help associations/citizens to elaborate what could be an innovative research question
- 1) Associations submit a research question and a formal application

PROBLEM/
NEED



RESEARCH
QUESTION

STEP 3 : Selecting demands with a scientific council according to different criteria, gathering and training all stakeholders

- 1) Questions are submitted, assessed, selected and reformulated (if needed) by the Science Shop's Scientific committee
- 1) The Scientific Committee suggests an appropriate format in order to respond to the selected questions → Master's internship, group project, mediation event, etc.
- 1) The Science Shop coordinators gather and train all the stakeholders, finance the research, organize the discussion and guaranty mediation/re-mediation during all the process.

STEP 4 : Practical realization of the scientific work

1) The research team works hand in hand with citizens/associations to conduct fieldwork, gather and analyse data

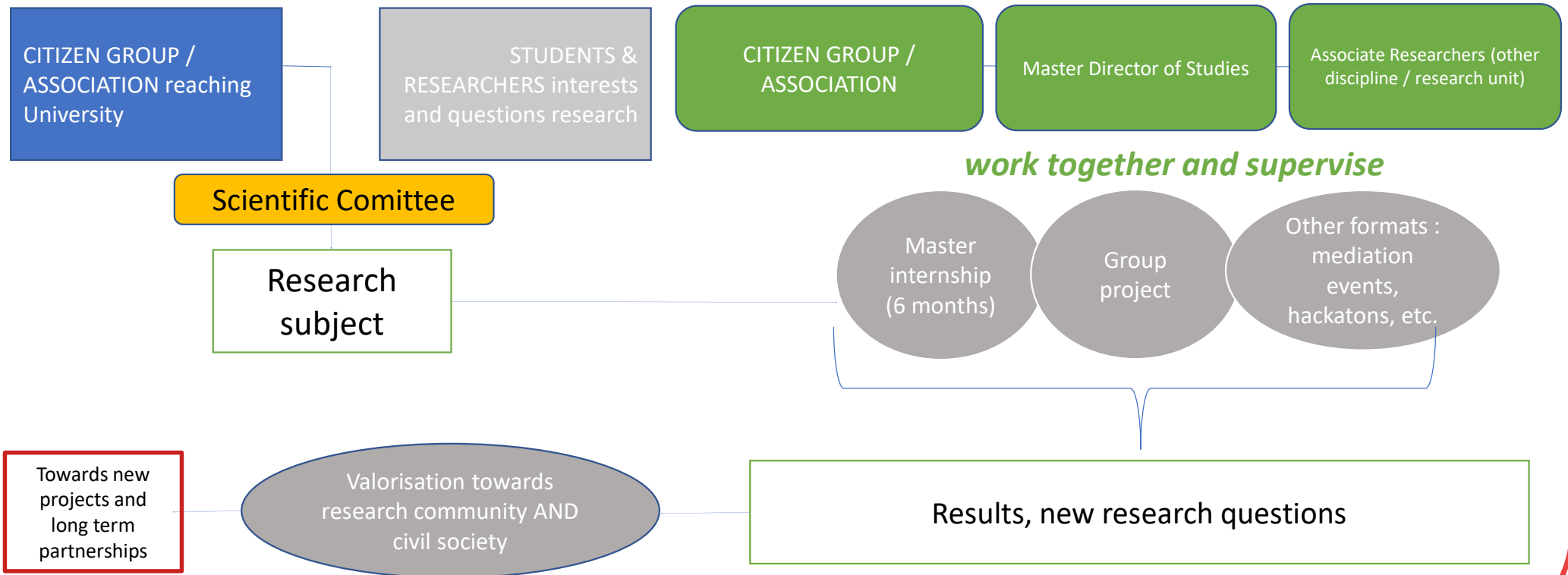


STEP 5 : Results restitution/communication and developments

- 1) The produced knowledge/recommendations/new research questions are shared through different formats and disseminated to the general public.
- 2) Science Shop coordinators support new research and partnerships



SCIENCE SHOP : support the research project and partnership form beginning to end through financial and methodological support, mediation, training and valorisation support.



A FEW PROJECTS WE WILL BE WORKING ON THIS YEAR

→ 5/16 projects/internships



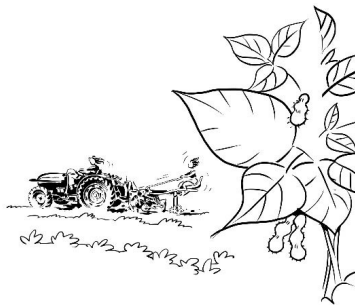
Analyse environmental and community-based health services issues in regards to patient active participation to their health journey

Centre de santé communautaire et planétaire Le Jardin



Analyse the (economic, cultural, social) factors influencing the children relationship to bike and cycling education and practice

Maison du Vélo de Lyon



Work representations, conditions and organisations propositions in new farming groups

La Jardinière



Explore the representations and compliance levels towards different types of property → towards an innovative system for non commercial urban and collective ownership

Coopérative LaClé



Question the role of an associative radio in an evolutive area (rural, suburban, urban)

Radio Couleurs

Public Policy Design

Presentation of a transdisciplinary module in partnership with public decision-makers

S.Gadras - Université Lumière Lyon 2

- interdisciplinary & innovative courses / training modules
- open to Masters' degree students
- 1 course to be chosen among 18

Public Policy Design MOTIF

- 20 students
 - Intensive 1 week project (once a year)
 - Workshops & field work
 - Group work (mixing students' skills)

Typical schedule

Monday

- MOTIF & project presentations
- Initiation to local public policies

Tuesday

- Initiation to design methods for public projects

Wednesday & Thursday

- Field work

Friday

- Presentation preparation
- Presentation to decision-makers

Grande Porte des Alpes

- Results
 - Board game on ecological transformation
 - Utopian map about culture
 - Video simulation about the campus and its environment



A space for experimenting and reflexing around participatory research

Redirecting science
towards social relevance
and efficiency.

- Build and facilitate a durable connection between University and civil society
- Promote research based on social society interrogations and interests
- Support research projects, from the beginning to the end, through mediation/intermediation
- Facilitate researchers and future researchers social engagement
- Legitimate alternative research approach and methodology

Lyon Science Shop
*Support service for social
innovation through
participatory research*

**Empower all
stakeholders**

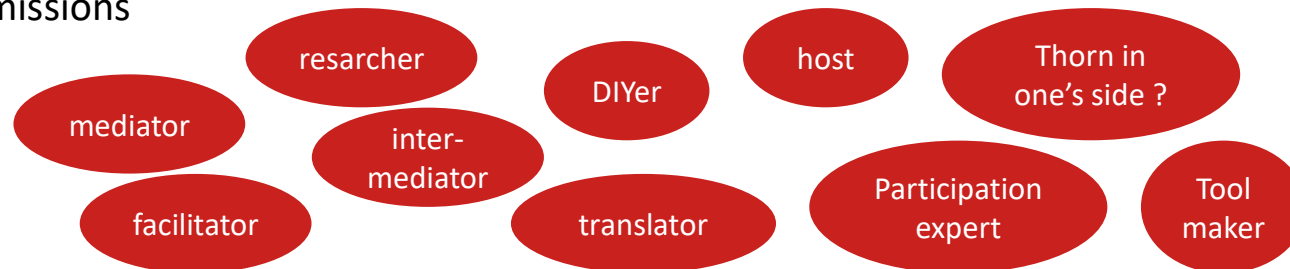
- Promote reflection for better action = better equip citizens
- Broaden networks, gain credibility
- Develop strong research postures and skills
- Participate in an unusual educative experiment
- Facilitate students involvement in civil society associations

**Innovate and reflect on
the way research and
knowledge is produced**

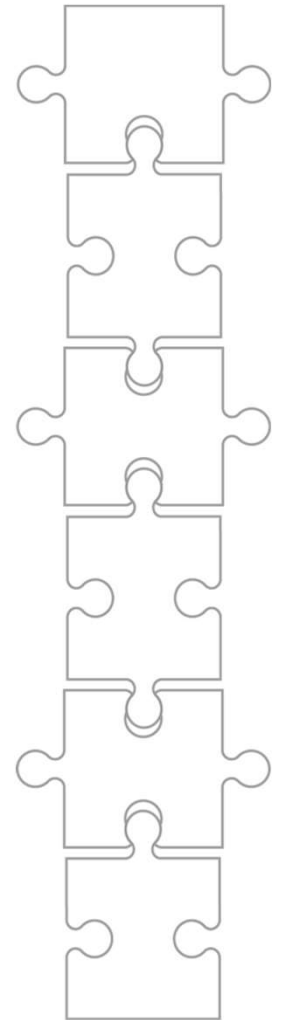
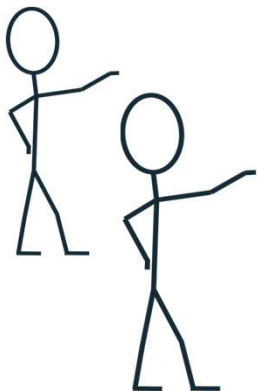
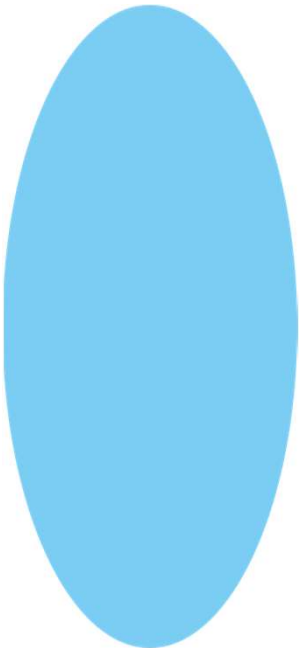
- Build new knowledge by cross-breeding experiences and expertise
- Legitimate field knowledge and expertise
- Initiate research where research usually doesn't go through an inclusive approach
- Offer unique experiences, field and study case for students and researchers

3 main roles/MISSIONS for Lyon science shop

- **Supporting emerging participatory research** projects and partnerships, around research questions stemming from civil society and involving civil society and research representatives
 - → 16 projects supported in 2023-2024
- **Experimenting new missions as “tiers veilleurs”** for more mature research projects (ANR)
 - → 1 ANR (National Research Agency) project supported on 2023-2024
 - → involvement regarding the emergence and structuring of a new range of missions



- Offering a **resource space** for citizens, students and researchers **around participatory research concepts and methodology** : seminars, trainings, etc.



Shared goals :

At the core of Living Knowledge Network

- **Transferring skills and knowledge** towards civil society
- Working for a **better access** to sciences and technologies for all
- Creating **innovative tools** to **understand** and **analyse** emerging **contemporary societal issues**.
- **Developing new skills** for all stakeholders : students, researchers, citizens, associations, organizations.

At the core of Francophone Science Shops Network

- Beyond transferring knowledge → **crossbreed different knowledge types** (academic knowledge, field knowledge, etc.)
- **Promoting research projects co-created** by civil society representatives (citizens, associations, organizations) and research representatives (students, researchers).
- **Promoting research** around problems/interests/questions **raising from civil society**.

LYON Science shop singularities :

- Historical **integration** to local centre
- of scientific, technical and industrial
- culture (**CCSTI**) = **Pop'Science** /
- Université de Lyon
- Strong historical **relationships with local territories** and administrations (Ain and Rhône french departments + Lyon Metropolis + Rhône-Alpes administrative Region) → science shop as la **local hub for innovative research with citizen's participation**
- Strong **implication** in **national** and **international networks** for participative research
- **Recent and broad SAPS strategy** / Université Lumière Lyon 2
- Multiple **connections to other insitutional tools** = a **broad approach to transdisciplinary and participatory research**
- **Questions and themes diversity**





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