



*Living Knowledge*  
The International Science Shop Network

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# **Living Knowledge – The International Science Shop Network**

## **Principles and Results in the Agri-Food Sector**

**Innovation in the Agri-Food Sector  
For and by the people**

**European Parliament, 8 November 2018**

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[www.livingknowledge.org](http://www.livingknowledge.org)***

# Democratization of Knowledge

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**Science Shops – Knowledge Mobilization**

# The Variety of Strategies



## User pull and co-production

A graphic illustration on a yellow background. At the top, a black hand reaches down. At the bottom left, a pink hand reaches up. At the bottom right, a teal hand reaches up. In the center, two white rectangular papers are held between the hands, with a white triangle pointing upwards between them.

AR - Action research  
CBR – Community-Based Research  
CBPR – Community Based Participatory Research  
PAR - Participatory Action Research  
RRI – Responsible Research and Innovation

Citizen Science  
Science Shops

**are organizations created as mediators between citizen groups**

e.g. trade unions, non-profit organizations, environmentalists, consumers etc.)

**and research institutions**

e.g. universities, independent research facilities

**They are just one type of interface between science and its researchers and society.**

**How they are organized and operate is highly dependent on their context.**



## Definition

**A Science Shop (is a unit that) provides independent participatory research support in response to concerns expressed by civil society.**

# How do Science Shops work?



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## **Basic Idea (strong research focus)**

- Questions from civil society organisations (and other stakeholders) are rephrased to scientific research topics which will be approached by a researcher or students under supervision of a professor.
- The research will lead to a report (or other product) which is made to be of use to the client.

## **Advanced Idea (focus more on innovation and implementation)**

- Sciences Shops take the role of a Civil Society (Stakeholder) Contact Point to lead tasks in mediating society-science interactions through various methodologies
  - supporting citizen science, service learning, co-creation, or
  - organising science cafés, focus groups, scenario workshops, or
  - developing training and education for specific topics and needs

# The Living Knowledge Network



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Search



Science Shops

Resources

Projects

Events

Contact



## Living Knowledge – Exchange, Networking and Building Partnerships

The Living Knowledge Network is composed of persons active in -or supportive of- Science Shops and Community Based Research. Living Knowledge aims to foster public engagement with, and participation in, all levels of the research and innovation process.

## Twitter

Tweets by @ScienceShops

Living Knowledge Net

Retweeted

[www.livingknowledge.org](http://www.livingknowledge.org)

# Science Shops in Europe (Samples)



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## University Based

Groningen, the Netherlands  
Belfast, Northern Ireland  
Dublin, Ireland  
Lyon, France  
Sassari, Italy  
Vechta, Germany  
Stavanger, Norway  
Copenhagen, Denmark  
Bucharest, Romania

...

## Non University Based

Bonn, Germany  
Vienna, Austria  
Paris, France  
Gödöllő, Hungary

...





## Science Shop Wageningen: A new economic base for the Gulp Valley herd

**Cultural heritage, Biodiversity,  
Landscape services, Tourism**

[www.wur.nl/en/project/A-new-economic-base-for-the-Gulp-Valley-herd.htm](http://www.wur.nl/en/project/A-new-economic-base-for-the-Gulp-Valley-herd.htm)

The analysis of farm economy and the management arrangement of the Gulpdal lands delivered a number of options that could contribute to an economically sustainable solution for the herd.







## BigPicnic

brings together the public, scientists, policy-makers and industry to help tackle the global challenge of food security.

[www.bigpicnic.net](http://www.bigpicnic.net)



Science Café on edible insects,  
Meise, Belgium



Exhibition in Bergamo, Italy, showing the link between responsible nutritional choices and the conservation of biodiversity and sustainability.

# Science Shop Project



Quelle: Stadtfrüchtchen

## SAIN – Innovative Developments in Urban Agriculture A Citizen Science Project Bonn Science Shop and Fraunhofer UMSICHT



Quelle: Bolle



Quelle: Prinzessinnengarten



# Networking



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**GACER**  
Global Alliance on  
Community Based Research

**PRIA**  
Participatory Research in Asia

**UNESCO Chair**  
for Community Based Research

**GUNI**  
Global University Network  
for Innovation

**PASCAL**  
Observatory

ENGAGE Australia

**KmbF**  
Canadian Knowledge  
Mobilization Forum

Community Based  
Research in Canada

**EUA**  
European University Association

## International Science Shop Network LIVING KNOWLEDGE

**ECSA**  
European Citizen Science Association

**EUN**  
European  
School Net

**National Science Shop Networks**  
(DE, NL, RO, FR, (ES), (IT))

**NCCPE**  
National Coordination Center  
for Public Engagement

Midwest Knowledge  
Mobilization Network

**CCPH**  
Community Campus  
Partnership for Health

**Ecsite**  
European Network of  
Science Centres and Museums

**APUCEN**  
Asian Pacific University  
Community Engagement  
Network

**EUSEA**  
European Science  
Event Association

**BGCI**  
Botanic Gardens  
Conservation International





[www-rri-tool.eu](http://www-rri-tool.eu)

  
**European  
Network of  
Living Labs**



**PARISE**

[www.parrise.eu](http://www.parrise.eu)

  
**Engage2020**

**SciShops** 

<https://project.scishops.eu/>

  
**SCIENTIX**  
The community for science  
education in Europe

  
**EnRRICH**  
A LIVING KNOWLEDGE PROJECT

  
**ENTRANCE**

[www.entrance-project.eu](http://www.entrance-project.eu)



**InSPIRES**

[www.inspiresproject.eu](http://www.inspiresproject.eu)

  
**Xplore  
Health**

## Enhanced Learning for Students

- **Social competences (Real life experiences)**
- **Communication and co-operation skills, also with non-scientists**
- **New knowledge and perspectives**
- **Knowledge and expertise within transdisciplinary research**
- **Skills to connect and bring together the various needs and demands of different groups, even with their rather theoretical scientific background**



# Science Shop Impact



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**Incubator for new  
research themes  
Changed focus,  
Creative dialogues  
Case materials  
Networking**

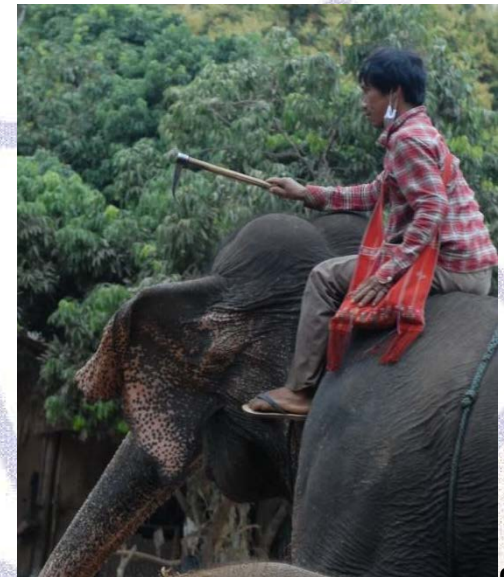


**PR for institute  
Demonstrating social  
responsibility  
Empowered CSOs  
New product or service  
Informed decisions**

# Community Engagement



**It takes time and many efforts  
to move forward  
in Society-Science-Interaction**



# What can / should / must be done?



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**Provide Resources**

**Acknowledge engagement**

**Support publication**

**Check existing curricula**

**Implement societal engagement in teaching**

**Develop new curricula and studies**

**Develop structures**

**Open boards for CSOs**

**It's not about the 'IF',  
it's about the 'HOW'.**





# Thank you for your attention!



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International Science Shop Network 'Living Knowledge'

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Living Knowledge Discussion List

([LIVINGKNOWLEDGE-L@LISTS.UCC.IE](mailto:LIVINGKNOWLEDGE-L@LISTS.UCC.IE)),

Twitter: @ScienceShops

Facebook: <https://www.facebook.com/livingknowledge>

Wissenschaftsladen Bonn

[www.wilabonn.de](http://www.wilabonn.de)

RRI Tools

[www.rri-tools.eu](http://www.rri-tools.eu)