

# OPEN KNOWLEDGE IN SCIENCE AND ELSEWHERE

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This presentation: [http://bit.ly/okffi\\_open\\_science](http://bit.ly/okffi_open_science)

***'Open Science' is one of the buzzwords in the scientific community. ... it grasps any kind of change in relation to the future of knowledge creation***

**Fecher & Friesike (2013)**

**What Open Science?**



<b>School of thought</b>	<b>Central assumption</b>	<b>Involved groups</b>	<b>Central Aim</b>	<b>Tools &amp; Methods</b>
<b>Democratic</b>	The access to knowledge is unequally distributed	Scientists, politicians, citizens	Making knowledge freely available for everyone.	Open access, intellectual property rights, Open data, Open code
<b>Pragmatic</b>	Knowledge-creation could be more efficient if scientists collaborated.	Scientists	Opening up the process of knowledge creation.	Wisdom of the crowds, network effects, Open Data, Open Code
<b>Infrastructure</b>	Efficient research depends on the available tools and applications.	Scientists & platform providers	Creating openly available platforms, tools and services for scientists.	Collaboration platforms and tools
<b>Public</b>	Science needs to be made accessible to the public.	Scientists & citizens	Making science accessible for citizens.	Citizen Science, Science PR, Science Blogging
<b>Measurement</b>	Scientific contributions today need alternative impact measurements.	Scientists & politicians	Developing an alternative metric system for scientific impact.	Altmetrics, peer review, citation, impact factors

# Open Science: Five Schools of Thought

Fecher & Friesike (2013)

*“A piece of content or data is **OPEN** if anyone is free to use, reuse, and redistribute it — subject only, at most, to the requirement to attribute and/or share-alike.”*

**Defining openness**

[opendefinition.org](http://opendefinition.org)

A photograph of the Panton Arms building, a light blue structure with a black metal gate. A sign on the wall reads "PANTON ARMS" in gold letters. A smaller sign on the left features a crest and the name "PANTON ARMS".

PANTON ARMS

## Q2: Why the Panton Principles?

There is a need to state clearly what openness is in relation to public science drawing on the Open Knowledge Foundation's **Open Definition** and Science Commons' Protocol for Implementing Open Access Data.



# Panton Principles

[pantonprinciples.org](http://pantonprinciples.org)



1

**Make your wishes explicit**

2

**Use a recognised licence**

3

**Do not restrict the reuse**

non-commercial clauses should not be used

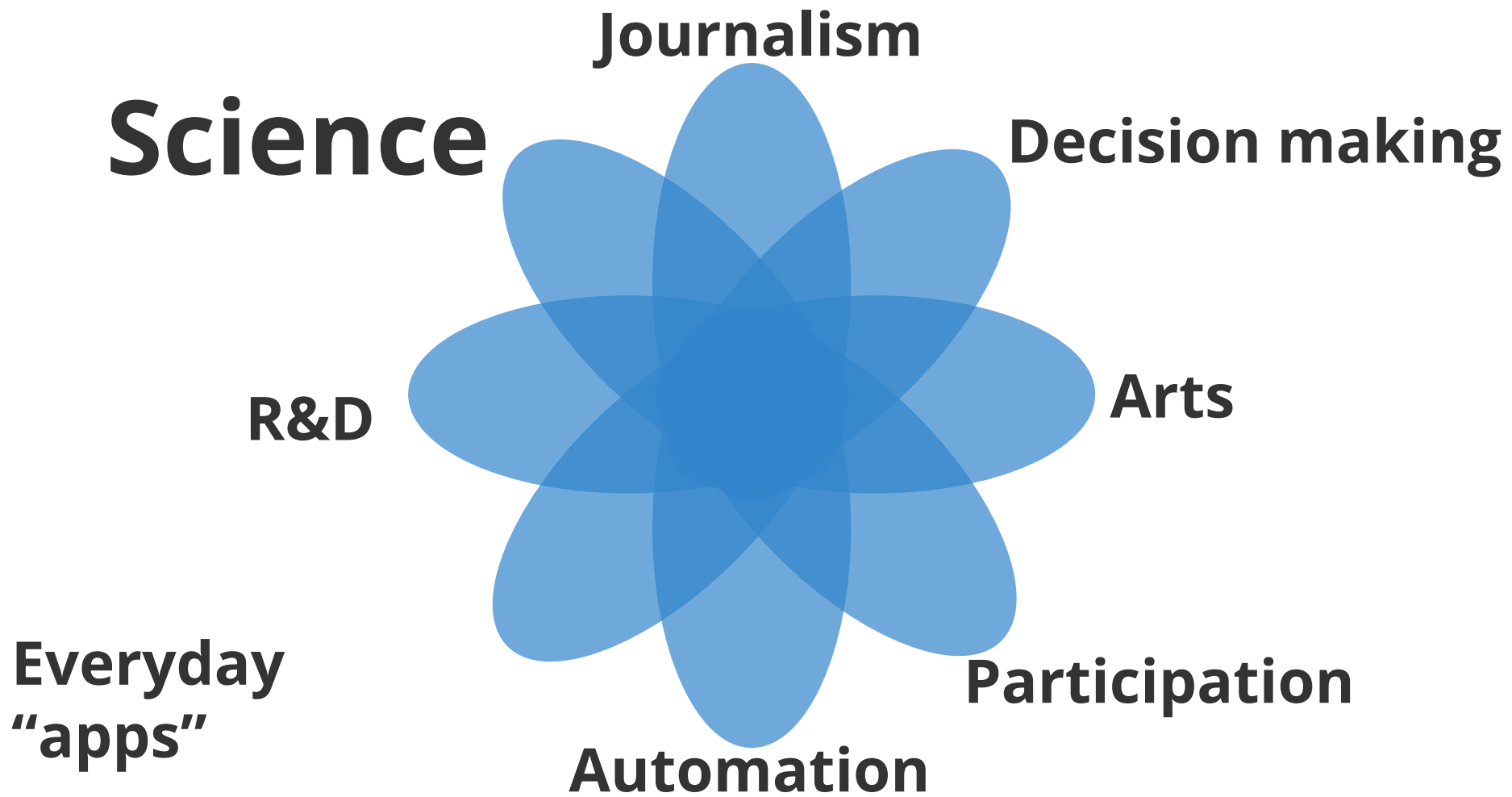
4

**Dedicate the data to public domain**

via PDDL or CCZero

**Panton Principles**

[pantonprinciples.org](http://pantonprinciples.org)



# Usage of Open Knowledge


Same data may have many use cases





## What's happening in my area?

Local Groups engage in a variety of community-enriching activities from holding national discussions to organising meetups to engaging new audiences. To get involved, find an Event or Local Group near you.

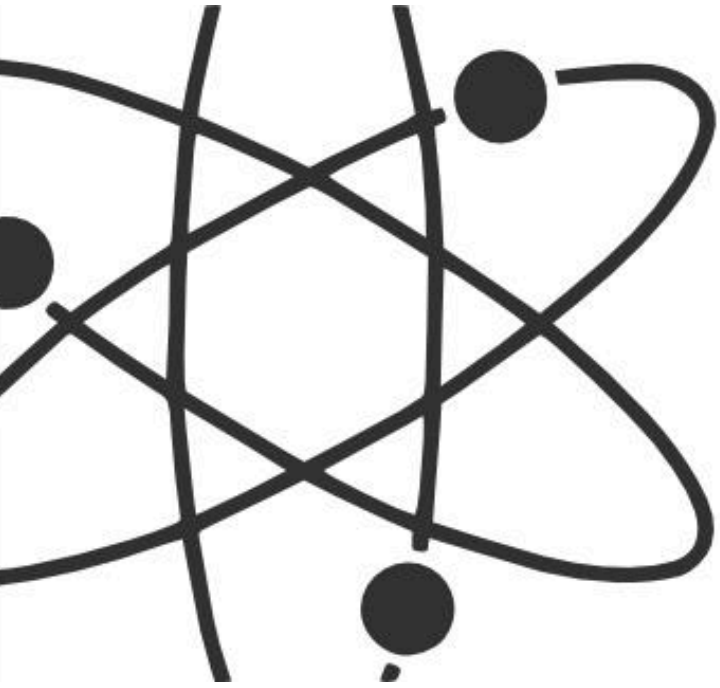
 Local Groups

 India Ambassador

# International network

[okfn.org](http://okfn.org)





**Open science** means for instance open release of data, code, protocols, teaching material, publications, and the promotion of principles of openness, inclusivity and transparency in scientific research.

The **Open Science Finland** working group promotes openness in Finnish scientific and academic field.

# Open Science working group

[fi.okfn.org/wg/openscience](https://fi.okfn.org/wg/openscience)