

Public Engagement in Times of Open Data and Open Science

- > Beyond raising awareness
- > Recommendation from research: a systemic approach
- > Learning ecologies: astronomy compared to music
- > Open Science Clubs
- > Possible roles of SKA-CH

Perspectives in science communication

Corporate communication	Project communication	Public engagement	Science education	Science journalism
<p>Promote the achievements of the institution</p> <p>Inform about institutional activities</p> <p>...</p>	<p>Share results, Open Data & Open Science with science community & stakeholders incl. public</p> <p>Provide information about the project</p> <p>Internal communication</p>	<p>Make science meaningful</p> <p>Involve the public</p> <p>Help them access & use open resources</p> <p>Contribute to science learning outside school</p>	<p>Teach science at all levels of the educational system</p> <p>Prepare learners for a science based society</p> <p>Foster the next generation of scientists</p>	<p>Inform the public</p> <p>Put developments in science into societal context</p> <p>Provide independent (incl. critical) reporting</p> <p>...</p>

Public science? Doubts

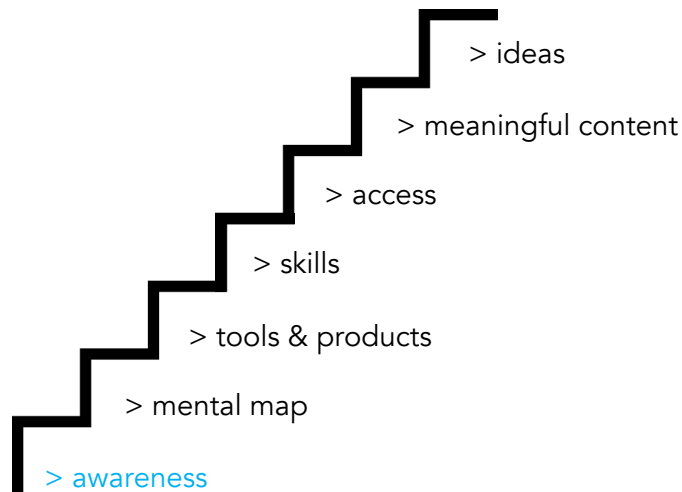


„Transparency in science does not mean that laymen can do anything with the results.“

In: Doubts about the vision of open science for all,
Horizonte 127, Nov 2020

It takes a lot!

What would people need
to be able to make use of the new opportunities
through Open Data and Open Science?



Research in science learning outside school

Recommendations for policy makers:

Access and equity in science education outside school requires a **systemic approach**.



Tinkering activities involving heliophysics data at Raumschiff – the Maker Space for Astronomy
raumschiff.org



system2020.education

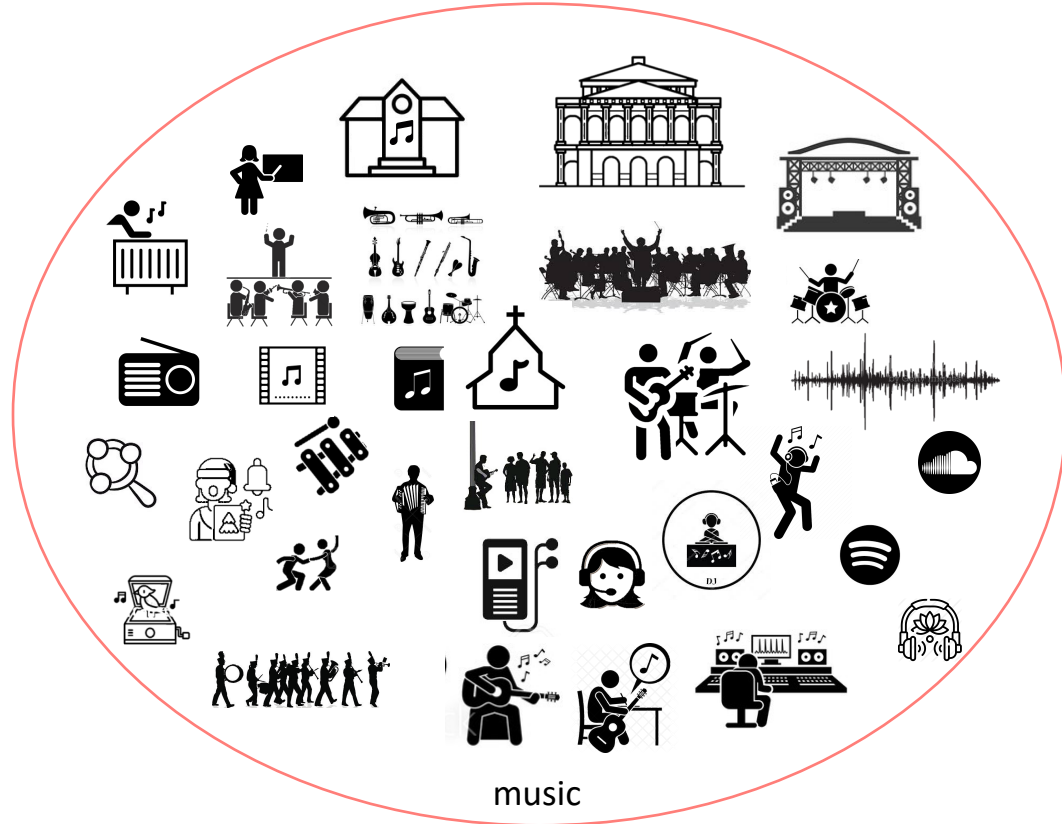
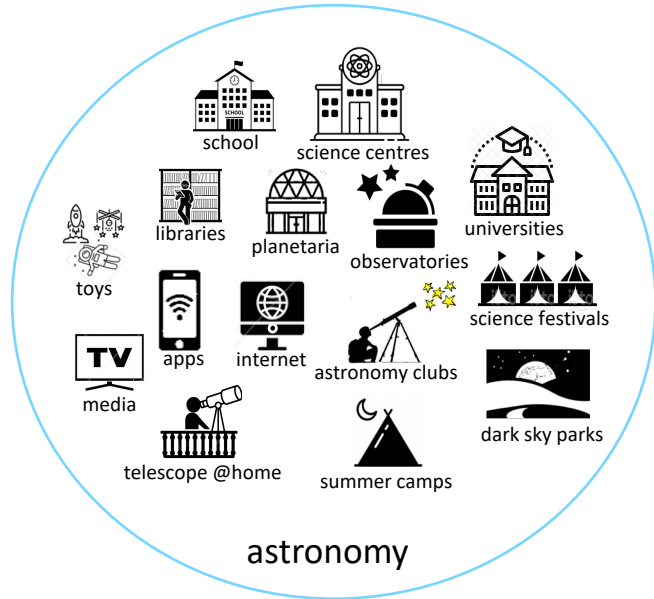


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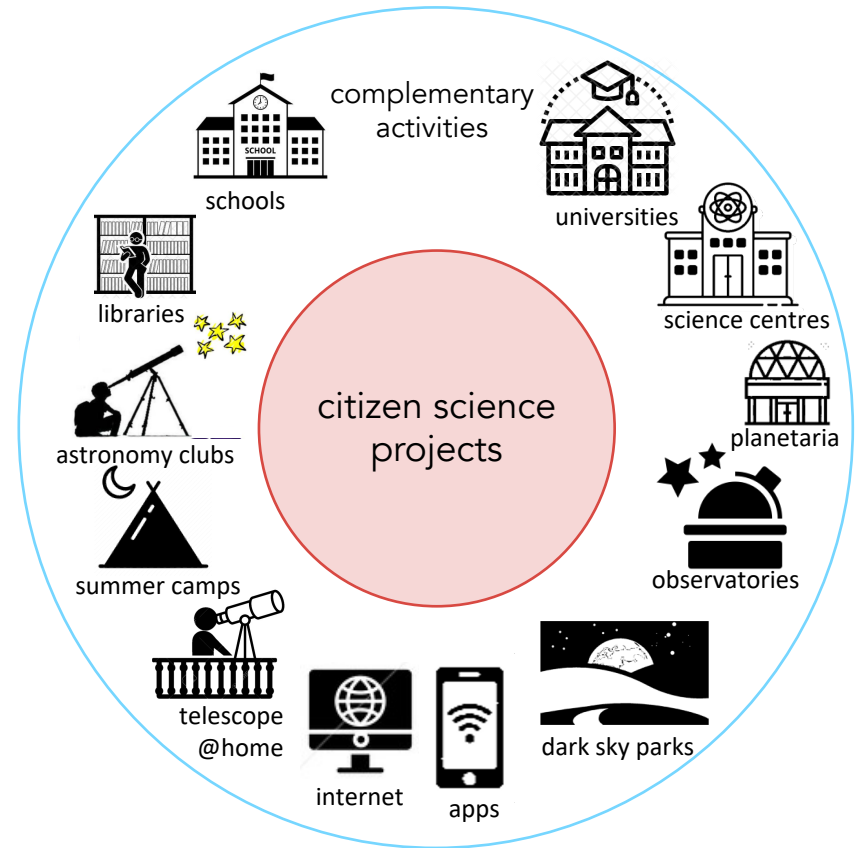
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September 8, 2021, hanna.sathiapal@fhnw.ch

Learning ecologies

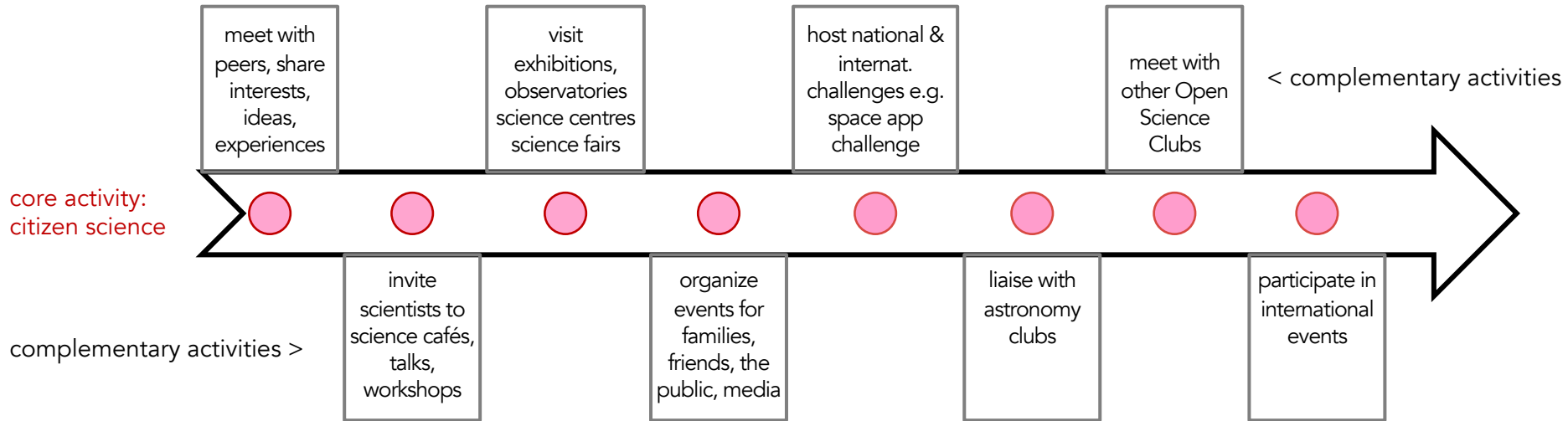


Project proposal: Open Science Clubs

Interlinking the learning landscape
around astronomy

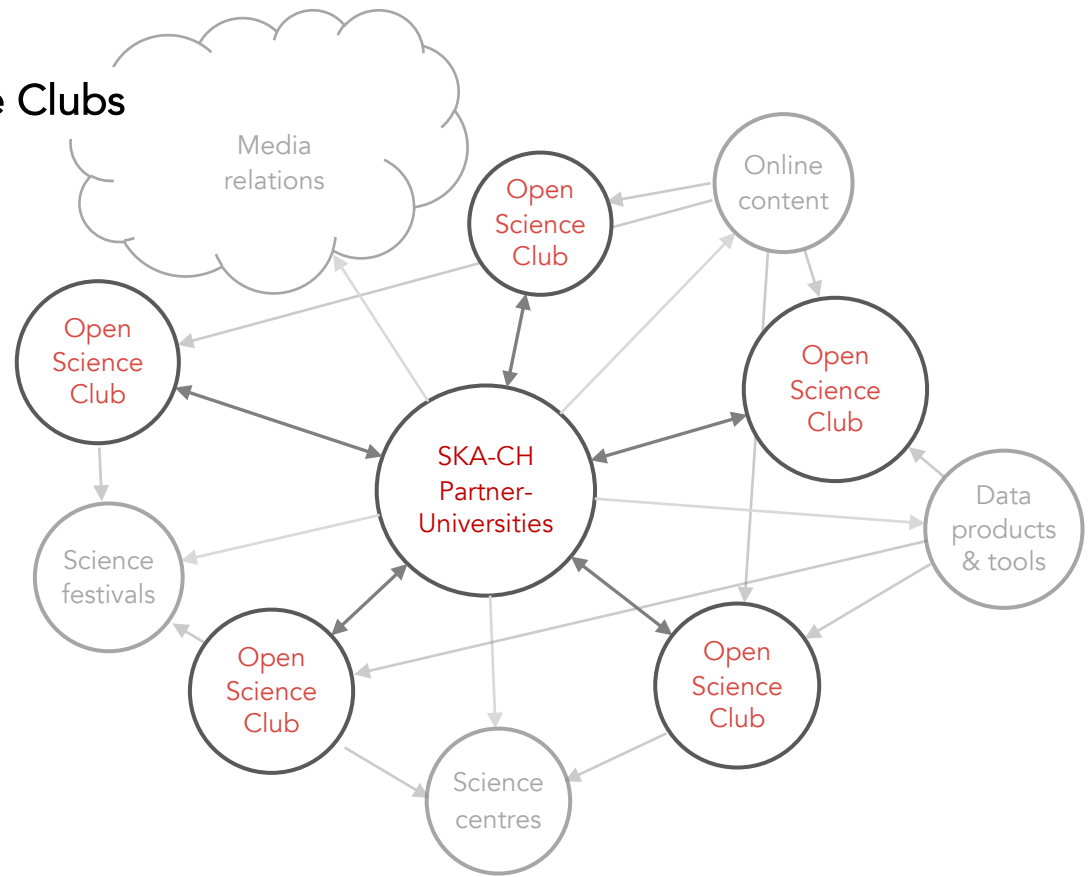


Pathways to astronomy at an Open Science Club



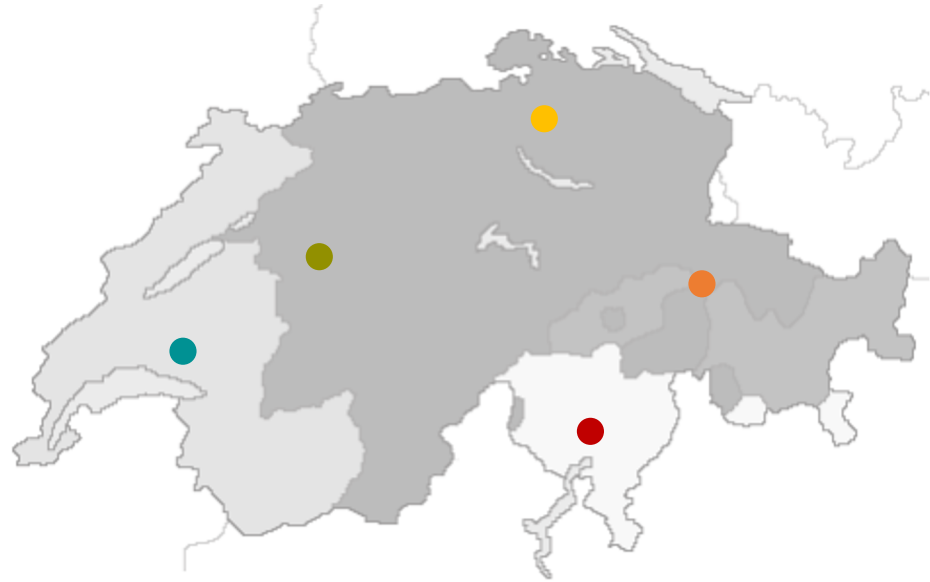
Universities' roles in Open Science Clubs

1. Direct interactions
2. Contributions to the learning landscape
3. Data products and tools



SKA Switzerland and the Open Science Clubs project

- > Both of national scope
- > Ideal partners in public engagement



5 Open Science Clubs to start with
in all regions of Switzerland

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Thank you!

Please get in touch!