

Citizen Science and its institutional development

the special role of libraries

HES SO
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Citizen Science

Citizen Science

the process of generating
knowledge through various
participatory formats.

Citizen Science

a supported approach

LERU, LIBER, UNESCO, EC, ECSA,
National agencies, etc.

Citizen Science

- Framework:
 - definition, support
 - its institutional development

- *Opportunities and Concerns*
 - *the special role of libraries*
 - *a special role for citizen science*



Insights – 13, 2020
 Built to last! Open science in European universities | Barbara Ignot and Paul Ayres

Built to last! Embedding open science principles and practice into European universities

The purpose of this article is to examine the cultural change needed by universities, as identified by LERU in its report *Open Science and its role in accelerating a roadmap for cultural change*. It begins by illustrating the nature of that cultural change. Linked to that transformation is a necessary management change to the way in which organisations perform research. Competition is not the only, or necessarily the best, way to conduct this transformation. Open Science Workshops have over five years across Europe and sharing, building on a number of Focus on Open Science studies, delivered at Focus on Open Science the article identifies best practice in changing current research practices, which will then contribute to the cultural change necessary to deliver open science. Four case studies, delivered at Focus on Open Science Workshops or other conferences in Europe, illustrate the advances that are being made: the findings of a Workshop on Collaboration and Competition at the OA11 meeting in Geneva in June 2019; findings of a Workshop on Publishing Platforms, exemplified by UCL Press Open Data, FAIR data and reproducibility; and a Citizen Science Workshop held at the LIBER Conference in Dublin in June 2019.

Keywords

Open science; change management; open access publishing; research data management; citizen science; research metrics

"Stakeholders should be open to open science, preparing for the future, not clinging to the past."

Introduction

Open science as cultural change

Open science, that is open research and open scholarship in all disciplines, is a different way of pursuing scholarship. Today, science is carried out in a highly competitive framework, in which funds, researchers and organisations compete to provide their scientific assumptions, to test them, to be the first to discover something or find solutions, and/or to get the best publication spots. To communicate their success and make their conclusions stick, in this landscape, researchers compete to publish more, compete for attention, and/or compete to win competitive assessments. There is an important observation we should make here: competition is about winning a race where the race is not by others. Success is measured by someone else's definition of it. Competition is one important element of human progress, but it is not the only one and it usually works better when it is related to other elements like collaboration.

The authors of this article wanted to organise a series of events on open science throughout Europe in 2019. The series is called Focus on Open Science, with a mission to promote the concept of, value for and best practices in open science for European communities. Each of these events (called chapters) is organised in close collaboration with a local academic institution, in live-way determining each year the topics that are most suitable to be discussed with their own open science landscape, but having in mind the overall recommendations in LERU's report and the main events we delivered in 2019.¹ We received a number of contributions during these events and many of them have helped us to orient this opinion piece.



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BESPOC

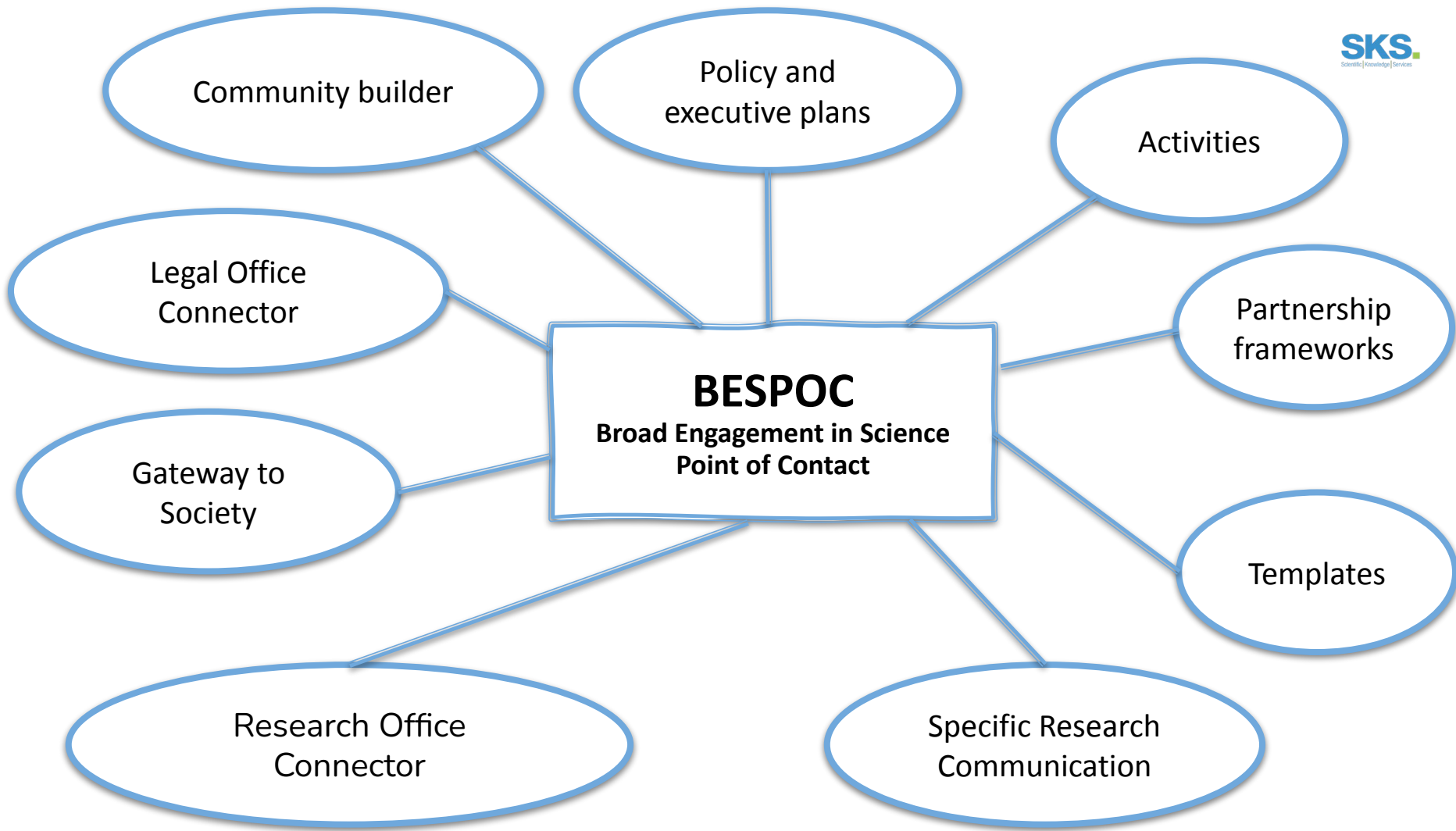
Broad Engagement in Science - Point of Contact

<https://vimeo.com/478021537>

<https://insights.uksg.org/articles/10.1629/uksg.501/>

Following a LERU Advice:

Citizen science at universities: Trends, guidelines and recommendations



Community builder

Policy and executive plans

Activities

Partnership frameworks

Templates

Specific Research Communication

Research Office Connector

Gateway to Society

Legal Office Connector

BESPOC
Broad Engagement in Science
Point of Contact

Join us in developing this prototype

a practical solution (suite of models)

Citizen Science

Unlock its surprising potential

Citizen Science

Research, a popular culture

<https://vimeo.com/763480878>



Scaling Citizen Science

Scaling Citizen Science

From Department to Organisation

From Elite Knowledge to Public Knowledge

Conclusion

Citizen Science definitions are many

Fair wind coming from behind

BESPOC - it's an opportunity

Think big: *Research*, a popular culture

Citizen Science and Libraries?

LIBER Citizen Science Working Group



SD1. Developing the Working Group

SD2. Developing the field of Citizen Science

SD3. Research libraries as an integral part of
Citizen Science

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The Value of BESPOC

nurtures a community of curious minds
educates people
consolidates trust in research

Researchers, better citizens