

Towards Citizen Science Communication

How can citizen science enhance science communication?

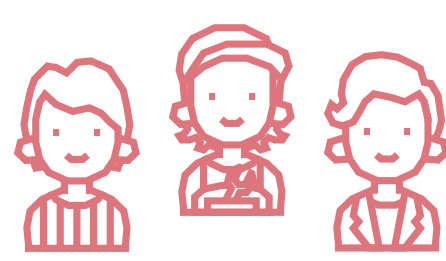
Background

Science communication has shifted significantly in recent decades. From an early, widespread understanding that scientific findings were disseminated in a linear, closed pathway – from expert to layperson – there is now widespread acknowledgement of the need for more comprehensive and inclusive participation in science [cf. Massarani et al., 2017; Schäfer et al., 2015].

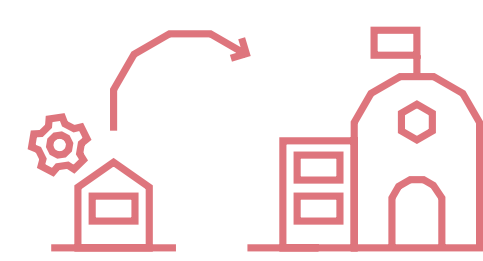
As a result of such progress, people's right to participate in scientific processes, and opportunities to do so, have expanded considerably. The idea of the 'active citizen' is now a central concept in the discourse on science and communication, and revolves around ideas such as exchange, reciprocity and inclusion of concrete and specific conditions of each situation [cf. Hecker et al., 2018; Weitze and Heckl, 2016; Schiele, 2008; Trench, 2006].

Citizen Science

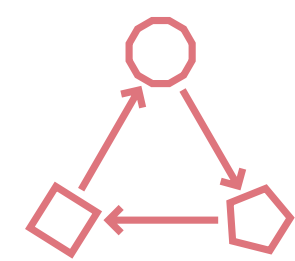
Citizen science describes a range of practices that integrate people "who are not full-time professionals in the field of related science, with or without the participation of full-time researchers" [Pettibone et al., 2018: 6; see also Haklay et al., 2020; Franzen, 2016; Serrano et al., 2014] Citizen science is a transdisciplinary approach that responds to current requirements: Citizen science opens up research processes by involving citizens at different phases of scientific work.



Integration of
heterogeneous
knowledge



Taking everyday
knowledge as an
epistemic category



citizen science is
process-oriented

Communication in citizen science is always Science Communication

Communication in Citizen Science is always science communication, and imposes specific conditions on science communication – by opening the "black box" [cf. Latour and Woolgar, 1979: 28] of knowledge production and establishes the requirement that communication be found for this purpose ((see Wagenknecht et al (2021), A question of dialogue? Reflections on how citizen science can enhance communication between science and society, in JCOM)

Science
communication
must connect to
the reality of
people's live

Effective
science
communication
needs to be
flexible

Communication
should go beyond
the tradidional
hierarchy

Regional Citizen Science

Innovation
Hub 13
fast track to transfer

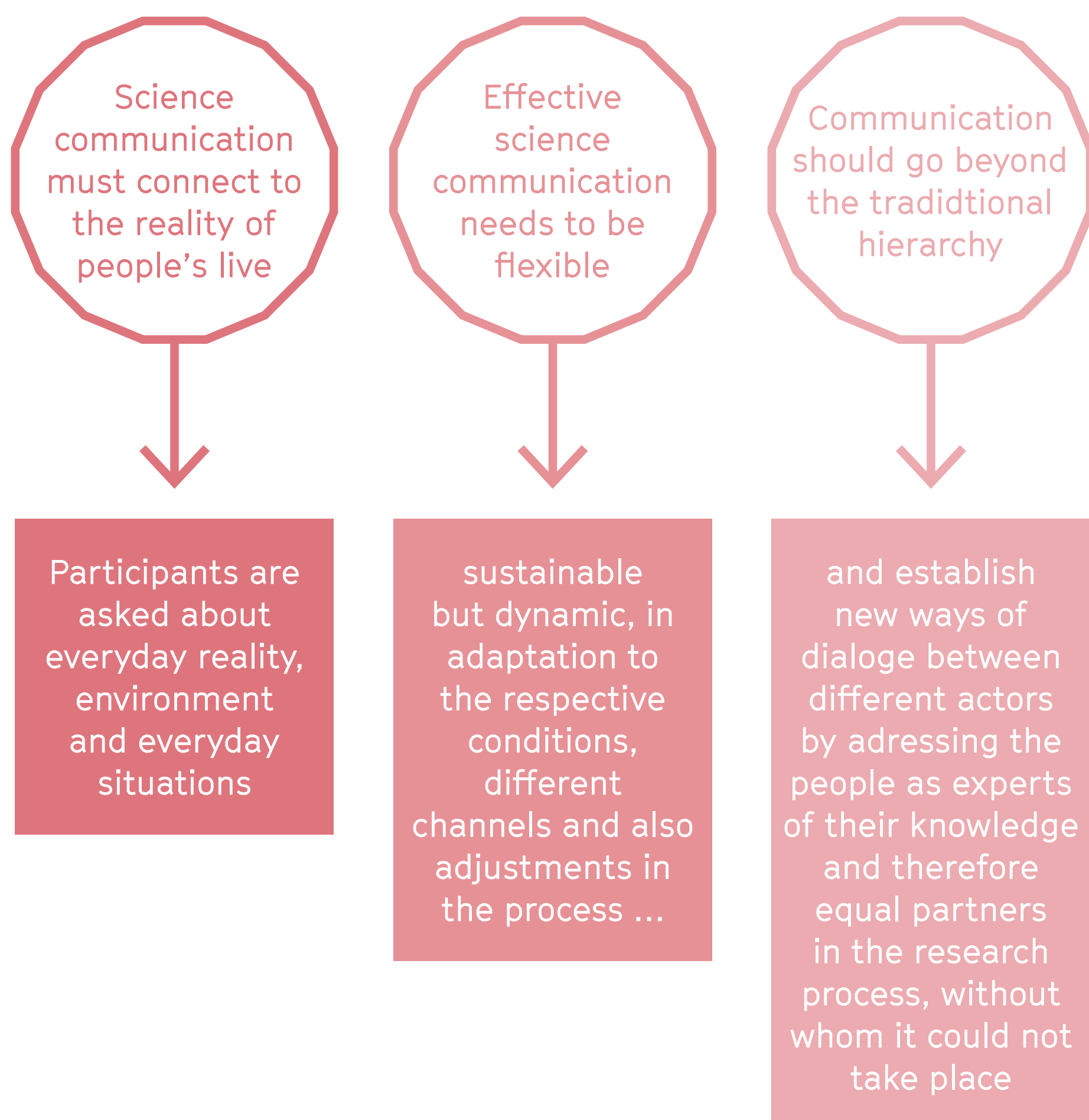


Wir
forschen!
Gemeinsam. In der Region.

The project outlines an argumentation of understanding citizen science as science communication. In the processual course of the projects, different instruments of science communication come into play, which establish a dialog between the actors and initiate exchange with different intentions and approaches. In this way, the project contributes to the science of science communication.

Erklär uns deine Stadt! Erklär uns Luckenwalde!

The Citizen Science project "Explain your city to me" is intended to provide space to document and make visible the knowledge and perspectives of the residents as those directly affected. The project collects views and insights, perceptions and knowledge about Luckenwalde. The basis for this exchange is a survey. Eleven questions, which take around 30 minutes to answer, are answered by locals. The answers are evaluated and discussed together in the town talk. The jointly developed narratives and interpretations are to be made visible as a result in an exhibition.



Katherin Wagenknecht MA
Sarah Klemisch MA
Kamila Labuda

The "Innovation Hub 13 – fast track to transfer" of the Wildau University of Applied Sciences and the Brandenburg University of Technology Cottbus-Senftenberg is one of the 29 selected winners of the federal-state funding initiative "Innovative University", funded by the Federal Ministry of Education and Research BMBF and the state of Brandenburg. Further information can be found at www.innovative-hochschule.de



Brandenburgische
Technische Universität
Cottbus - Senftenberg



EINE GEMEINSAME INITIATIVE VON



Technische Hochschule Wildau
Hochschulring 1
15345 Wildau
www.th-wildau.de

Brandenburgische Technische Universität
Cottbus-Senftenberg
Platz der Deutschen Einheit 1
03048 Cottbus
www.b-tu.de

Weitere Informationen zum
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www.innohub13.de



Der „Innovation Hub 13 – fast track to transfer“ der
Technischen Hochschule Wildau und der Brandenburgischen
Technischen Universität Cottbus-Senftenberg gehört
zu den 29 ausgewählten Gewinnern der Bund-Länder-
Förderinitiative „Innovative Hochschule“, ausgeschrieben mit
Mitteln des Bundesministeriums für Bildung und Forschung
BMBF und des Landes Brandenburg. Weitere Informationen
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Abstract

Science communication has shifted significantly in recent decades. From an early, widespread understanding that scientific findings were disseminated in a linear, closed pathway, there is now widespread acknowledgement of the need for more comprehensive and inclusive participation in science [cf. Massarani et al., 2017; Schäfer et al., 2015]. The project “Wir forschen”, which is part of the project “Innovation Hub 13 – fast track to transfer” coordinated by Technical University of Applied Science Wildau and Brandenburg University of Technology Cottbus-Senftenberg, explores methodological and practical characteristics of citizen science as a form of science communication. In this project, we outline an argumentation of understanding citizen science as science communication and furthermore introduce the term citizen science communication. In the processual course of the projects, different instruments of science communication come into play, which establish a dialog between the actors and initiate exchange with different intentions and approaches. In doing so, the project contributes to the science of science communication.