

# Knowledge bridging model to visualize and overcome knowledge information gaps between societal actors with the help of bridging agents

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Environmental issues tend to be a wicked problem, which is difficult to be solved by scientific approach only, because they are typically caused by a complex of natural and societal factors at diverse spatio-temporal scales from the global to the local, and because diverse societal actors, including governmental agents, industries, and residents, are usually involved as stakeholders. Solution of the issues may sometimes be obstructed by knowledge information gaps between actors. As a methodology to visualize and overcome such gaps, this paper presents the Knowledge Bridging Model, in which bridging agents, such as evangelists who lead transformation of value and life styles in the domain of ITC business, researchers in residence, data librarians in the context of open science, and science communicators, facilitate the mutual learning, trust, and understanding between societal actors by means of techniques for participatory equal dialogue such as *unconference* and *hatenathon* (questioning workshop) and tools for information visualization such as participatory GIS and ontological mapping. The discussion with participants of the poster session will contribute to elaborating this model.

Keywords: Transdisciplinary research, Societal actors, Bridging agents, Knowledge information gap

