

## **SYMPOSIUM “LERNRÄUME KOOPERATIV ENTWICKELN” LUZERN 2022**

Tag 1, Beteiligungsprozesse/Lernraumentwicklung in Schulen und Hochschulen:  
Forschungsperspektiven

### **Spector-The sustainability Inspector: Participatory teaching, learning and evaluation game** for architects, architecture students, teachers and pupils

***Dr. Marta Brkovic Dodig***

Architects, whether they are researchers, practitioners or teachers, need better and improved tools to enable them to communicate more effectively, change power relationships, co-construct knowledge and engage in real life problems. It is this that stimulated me to develop my own tool in the form of a game to contribute to the debate. Architects should be able to use their creative potential to design innovative tools for evaluating architectural design, and its sustainable aspects. By using such tools they may also be able to put themselves in a teaching role and create a learning experience for participants. My experience from testing the game internationally in primary and secondary schools with pupils demonstrated that games need serious attention and consideration as a useful alternative to traditional teaching and research tools.

### **Dr. Marta Brković Dodig is an Assistant Professor in Architecture at Union University – Nikola Tesla, Serbia.**

She was an Alexander von Humboldt fellow during 2018-2020 at the Chair for Urban Design and Development at TU Berlin. She is also the Founding Director of the NGO ARQubator, which aims to tackle sustainability challenges through academia and local communities' partnerships in a participatory fashion. Marta has worked as an architect with G+O Architekten in Munich (2015/16) and at M-House Design in Belgrade (since 2010). She has experience as a Principal Investigator (150.500E) and a partner on research projects (3.960.000E). She has been hosted at both academic institutions (Michigan State University, The University of Sheffield, TU Berlin, TU Munich, Polytechnic University of Catalonia) and in architectural practices through the “knowledge – transfer partnership” (Building Design Partnership Sheffield). Additionally, she is skilled at evaluating projects' impacts and working as an expert consultant.