Changing the way we discover research

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Open science enables new discovery tools and processes by providing open resources and an ever-growing digital infrastructure to build upon. However, we haven’t seen the paradigmatic change that has happened in other steps of the research cycle. In this workshop, we want to review the discovery workflow for an open science, and develop concrete recommendations for next steps. Through hands-on exercises using tools such as Scholia and Open Knowledge Maps, we will explore the emerging ecosystem around open discovery, define needs and requirements, and extract missing functionality and interoperability. Starting from the formally published research literature, we will look beyond and analyse the role and potential of grey literature as well as initiatives such as open annotation, data and software citation, collaborative reference management and resource identification for discovery.

With an emerging landscape of both commercial and non-profit offers, we will also discuss what it means to be open in terms of exploration and discovery. In addition, we will take a look at collaborative solutions for what is currently a mostly individualistic process. The outcome of the workshop will be a model for the discovery process in the age of open science, complete with a mapping of current and emerging practices and tools, as well as missing links and low-hanging fruits. With this, we want to set out a roadmap for open discovery for the immediate future.