

## **Building a sustainable open ecosystem for scholarly communication**

Kristen Ratan  
Collaborative Knowledge Foundation

The systems, tools and service providers that serve scholarly research communication form an unstable foundation dominated by closed proprietary silos, riddled with gaps and saddled with rising costs that are holding back the progress of open science.

Efforts to replace this crumbling infrastructure with an open and modern one have been slow due to challenges in funding, a sector lock with legacy platforms service providers, and a general lack of understanding of how open source technologies can provide reliable turnkey solutions for publishers and institutions engaged in producing research publications.

This session will explore how a fully open, digital-first technology and service ecosystem can arise and how the business models would work. Also included will be lightning talks from a diverse set of open source projects that, when integrated, would form the basis for a new open stack and a fresh network of service providers. The session will explore concrete examples both within scholarly communication and in other industries of sustainable open source programs that are fueling or have fueled industry transformation.

Presenters will include: Coko Foundation, Substance, ScienceFair, eLife Continuum, Stencila, DAT, Open Source Alliance for Open Science, and perhaps a representative of the open ID community