

The abstract for a presentation at the [Data Collaborations Across Boundaries](#) session at SciDataCon 2022, part of the International Data Week.

[Abstract] Bottom-Up Research Data Repositories

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We will report our experience in setting up [a general purpose research data repository](#) from the bottom up. It is a bottom-up process in term of software development; we have built upon existing open source packages (e.g. CKAN) but extended them with new functionalities (e.g. Wikidata). As for growing a user community for the repository, it is mostly a grassroots process as well. There is no top-down mandate in using the data repository (e.g. as required by research grants to deposit datasets to our repository). The repository started out as a software development project and since 2018 has steadily been serving a sizable user community.

We will discuss the pros and cons of this bottom-up approach to building a data repository and the associated data communities. In particular, we will contemplate the issues about sustaining the development and service of this do-it-yourself data repository, and the relationship between the repository and its user communities. This report will be a continuation of our presentation at the Open Repositories 2021 Conference, [Experience in Moving Toward An Open Repository For All](#).