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## Supporting successful data and codes sharing practices in agrogeophysics

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Agrogeophysics comprises the use of geophysical methods applied to near surface agricultural problems. It is an interdisciplinary field which has been gaining momentum given the many advantages of geophysical tools for agriculture: non-invasiveness, large volume sample with reasonable spatial resolution, high-throughput, time-lapse possibility. In order to federate the agrogeophysical community and provide an overview of the field to researchers, we developed the catalog of agrogeophysical studies (CAGS). The catalog and its content is available under open licences and promotes practices that implement the FAIR Data Principles. These principles encourage progress toward sharing data and codes that are Findable, Accessible, Interoperable, and Reusable. The biggest strength of the CAGS is that it provides an overview of the current research state while providing metadata, associated datasets, and computational notebooks connected to the articles in which they were published. In this way, CAGS encourages reproducible research by providing the datasets and processing steps to reproduce the results of the papers. The ambition is to ultimately unite the agrogeophysical community around common standards for data processing and data interpretation. The website is hosted on GitHub (<https://agrogeophy.github.io/catalog/>). The open nature of CAGS and the possibility for everyone to contribute to it makes it a great platform to increase knowledge exchange across the different various international research teams.

Benjamin Mary, and Guillaume Blanchy. 2020. CAGS: Catalog of Agrogeophysical Studies. doi: 10.5281/zenodo.4058524.