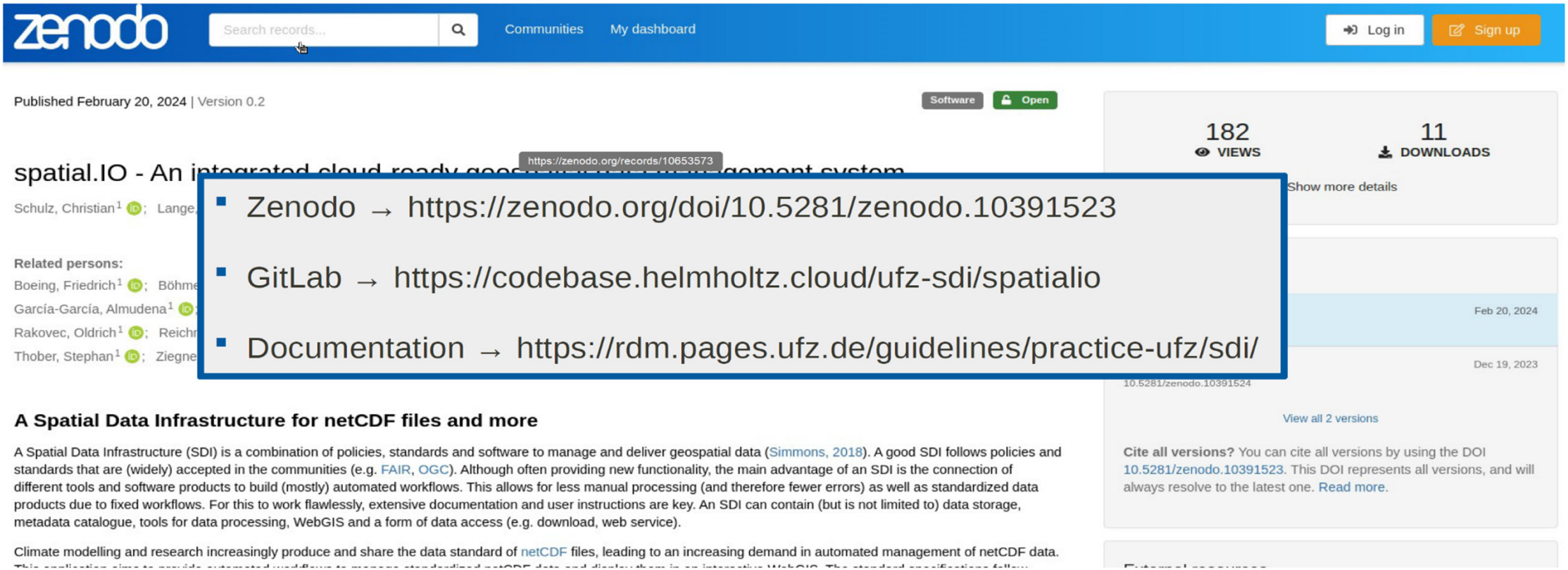
ArcGIS Online
Overview

- UFZ has access to the most useful ArcGIS-tools and –services
- Reachable via https://ufz.maps.arcgis.com/home/index.html but needs an account
- UFZ is limited to an intransparent credit system of ESRI, concerning user accounts and data storage
- Some basic web-GIS Apps have already been created and are running, mainly for remote sensing, for example https://ufz.maps.arcgis.com/apps/webappviewer/index.html?id=897531ee585c4a2683f35f98e2861a41

Picture caption top and bottom

UFZ SDI / spatial.io
Zenodo



- Zenodo → https://zenodo.org/doi/10.5281/zenodo.10391523
- GitLab → https://codebase.helmholtz.cloud/ufz-sdi/spatialio
- Documentation → https://rdm.pages.ufz.de/guidelines/practice-ufz/sdi/

Picture caption

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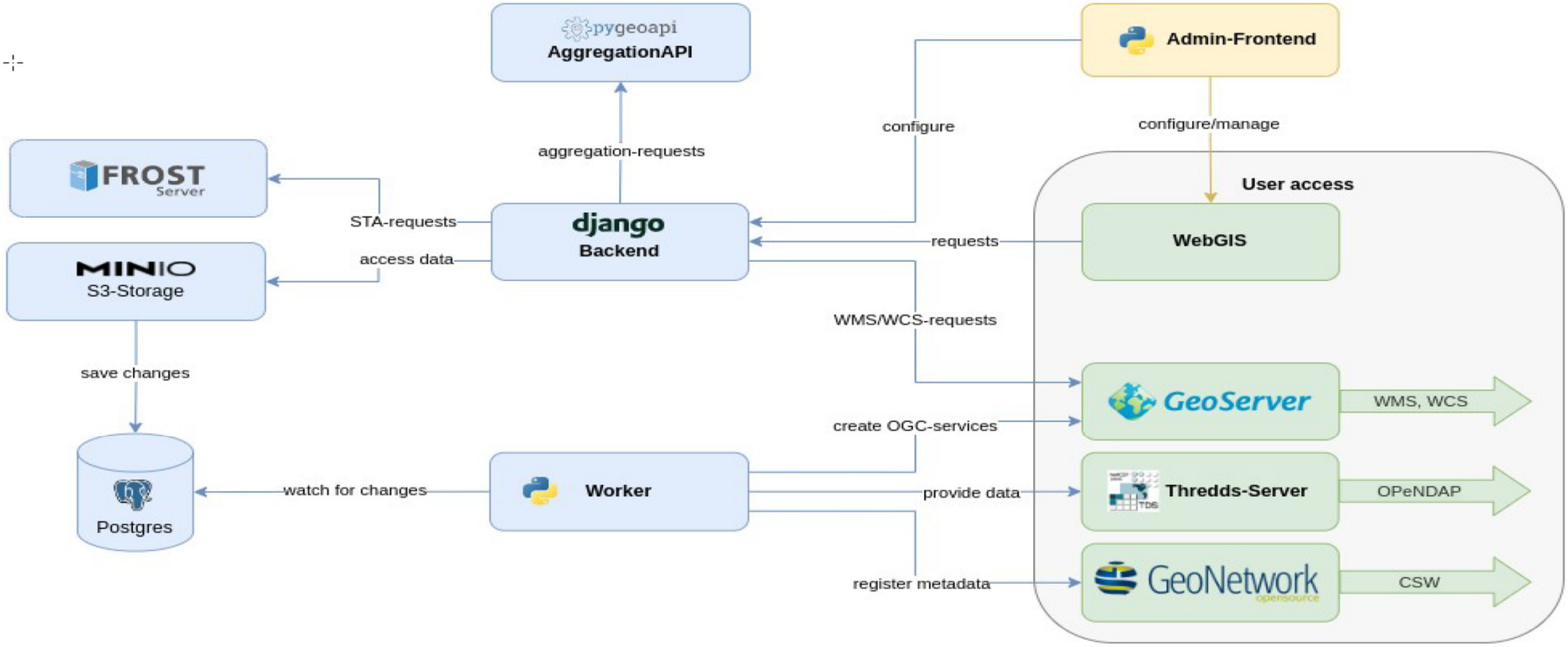
Overview



Picture caption

UFZ SDI
Features

- S3 cloud-storage with MinIO
- FROST-Server to store and access sensor data
- Creation of custom interactive WebGIS components for netCDF, STA and GeoTIFF data
- Extendable processes to get spatially aggregated values for netCDF and GeoTIFF data
- Use of django framework to make configuration of data and WebGIS user-friendly
- Workflow for automated creation of OGC web services with GeoServer of new netCDF data
- Workflow for automated creation of metadata entries in GeoNetwork
- THREDDS Data Server (TDS) to provide netCDF data with OPeNDAP
- WebGIS -> https://web.app.ufz.de/gdi/