

**XRONOS** <<https://xronos.ch>> is an open data infrastructure for the backbone of the archaeological record – chronology. It provides open access to published radiocarbon dates and other chronometric data from **any period, anywhere in the world.**

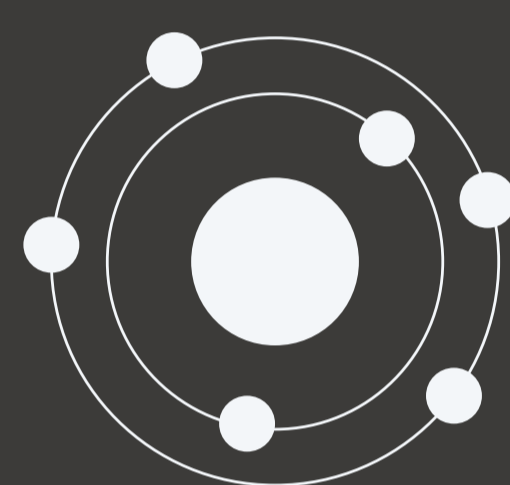


Photo: Şahin Sezer Dincer



**73,427**

Sites



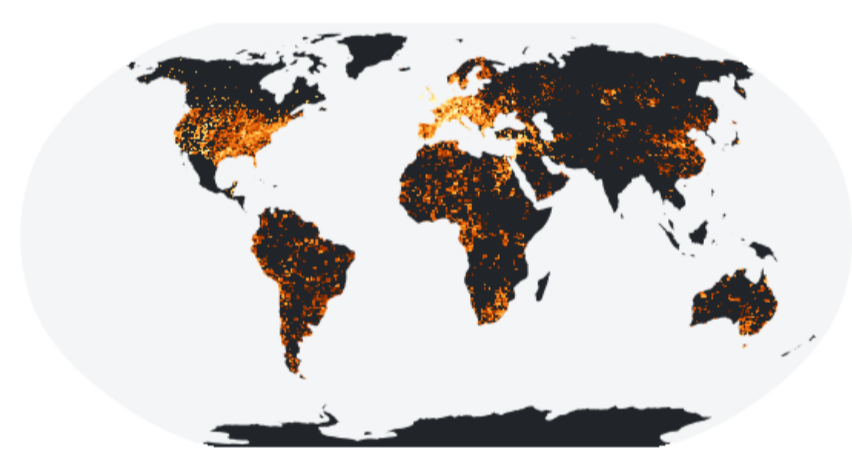
**350,190**

Radiocarbon dates



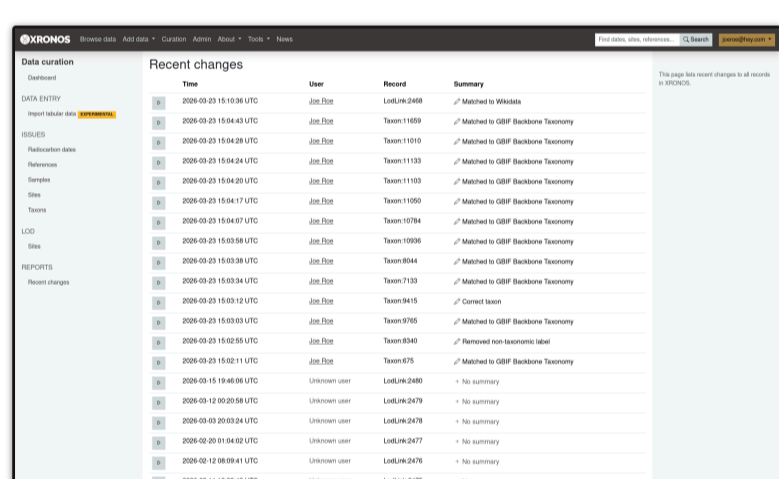
**138,176**

Typological dates



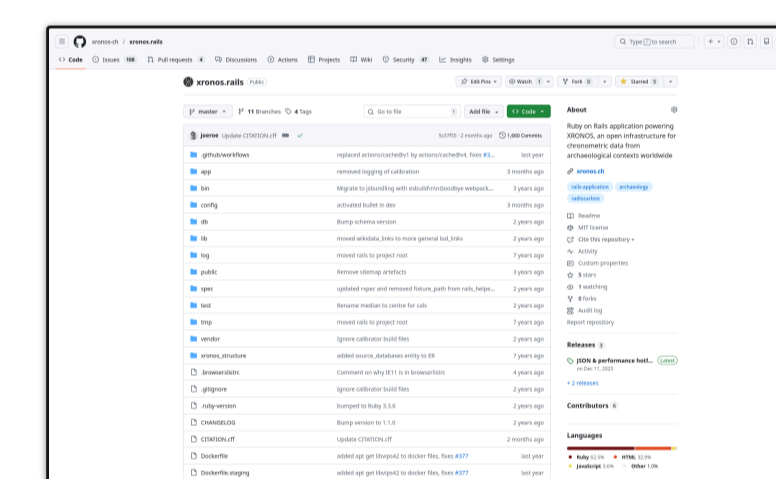
**Global**

A simple and flexible data model enables chronometric data from archaeological contexts anywhere in the world to be imported into XRONOS. It is currently the largest published database of radiocarbon dates and dozens more source datasets are in the pipeline (see Roe et al. 2025).



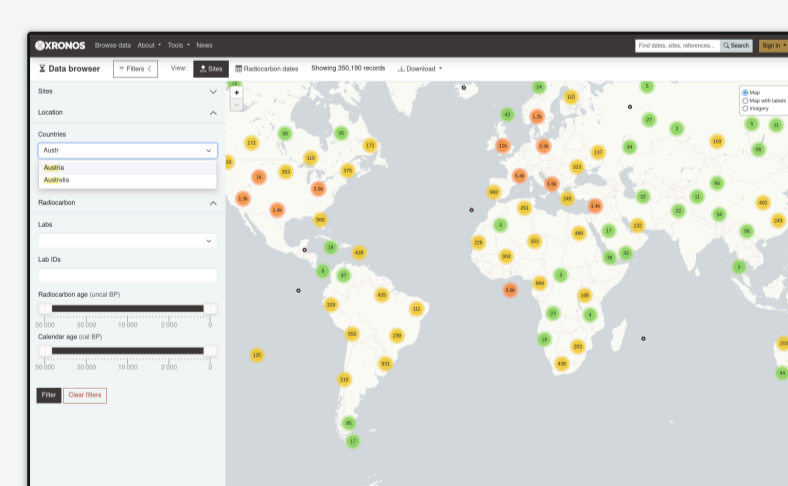
**Transparent**

Any changes made to a record since it was imported from its source dataset are publicly logged. Bibliographic references to the source dataset and original literature ensure the scientific integrity of the database.



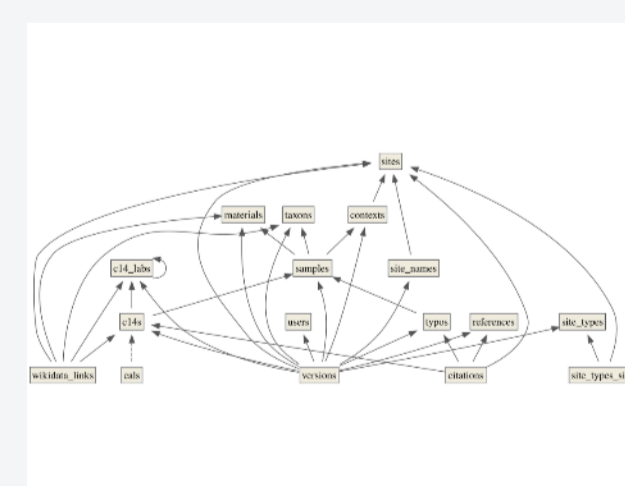
**Open source**

XRONOS is a fully open source project with all code shared at <https://github.com/xronos-ch>. We welcome contributions of any form, whether reporting bugs, writing code, or contributing or improving data. Get in touch with us if you want to get involved!



**Web**

Search, browser, filter and export data from the XRONOS web interface. Behind the scenes, curation interfaces allow us to track and correct data quality – keep an eye out for the public release of these in the near future!



**API**

XRONOS provides FAIR access to data via several application programming interfaces (APIs). Data can be accessed in flat-file tabulated format or via structured API queries returning JSON data.



**R package**

The xronos R package <[r.xronos.ch](https://r.xronos.ch)> uses the XRONOS API to provide programmatic, reproducible access to chronometric data. It allows data to be passed seamlessly to other packages for calibration, mapping, or further specialised analysis.