

FAIR research data with NOMAD

Tutorial 16: Getting started with NOMAD for materials-science research data management

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Agenda

Part 1 - Adrianna Wojas

Introduction to NOMAD public service and its main functionalities

Hands-on Part 2 - Siamak Nakhaie

Exploring NOMAD entries with search filters and interactive widgets.

Hands-on Part 4 - Ahmed Mansour

From raw data files to published datasets

Live-demo – Part 4 - Siamak Nakhaie

Guiding through the steps for documenting research using NOMAD ELN functionality.

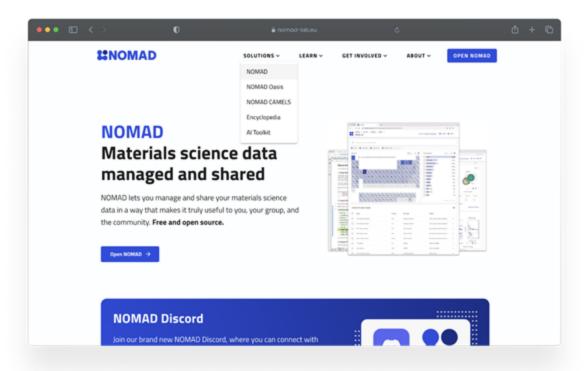


Introduction

- FAIRmat and NOMAD
- NOMAD and NOMAD Oasis
- One source -> all data
- Made by researchers for researchers

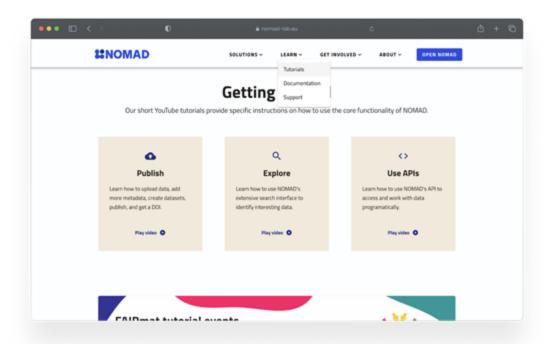


Our website





Learn more

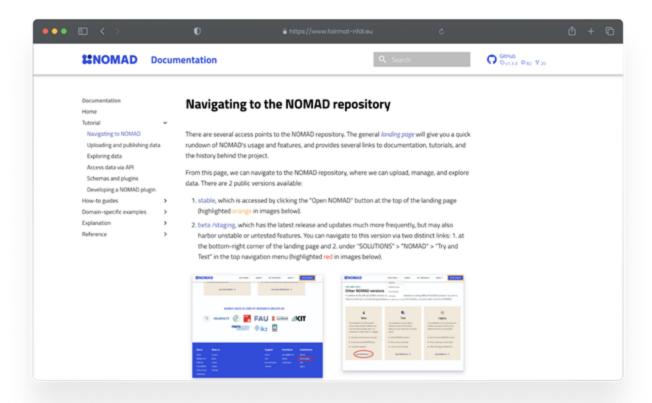








Documentation





What does a centralized installation offer me?

Explore

- Search and filter
- Custom widgets
- Reuse data
- 19M+ entries

Upload

- Preserve data
- Structured data
- Built-in parsers
- Add references

Publish

- Share data
- Publish with embargo
- Get DOI

Document

- Built-in ELN
- Link your entries
- Structured data

Customize

- Create custom ELN schema
- Tabular parser

Analyze

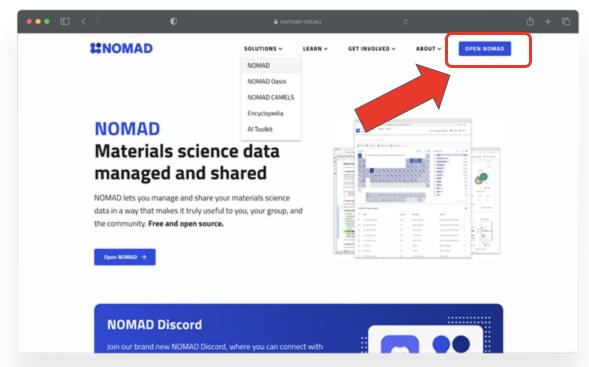
- NORTH tools
- Integrated
 Jupyter notebooks
- Al Toolkit

API

- Query any data
- OPTIMADE
- DCAT



NOMAD service





Let's go to **NOMAD**, click here!

Summary

- FAIR, open, bottom-up
- Created for researchers by researchers
- Ready to use, public service
- Open for customization NOMAD Oasis



Questions?

