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Was bietet die NFDI4Chem für die Community des Fachs Chemie?

27. Oktober 2021

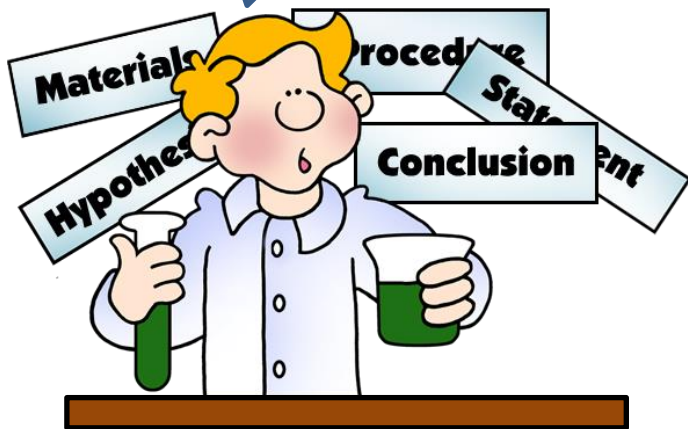
Dr. Johannes Hunold

TIB - Leibniz Information Centre for Science and Technology, Hannover, Germany.

Contact: johannes.hunold@tib.eu

The Challenge of RDM

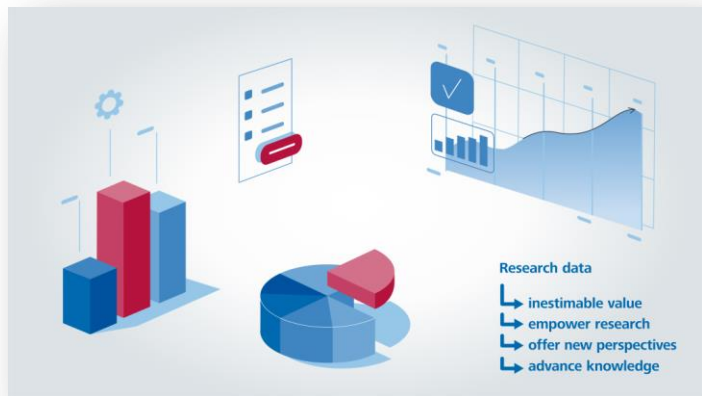
I have no idea what's going on and I can't find a solution to this problem. What am I supposed to do?



One of my other students already had this problem a few years ago, just take a look at his/her final thesis!



The Challenge of RDM

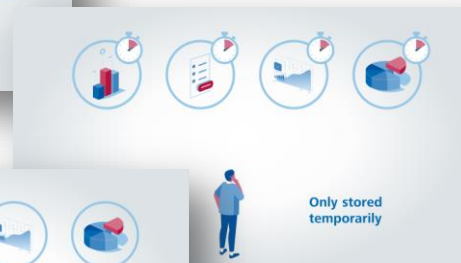


Research data

- ↳ inestimable value
- ↳ empower research
- ↳ offer new perspectives
- ↳ advance knowledge



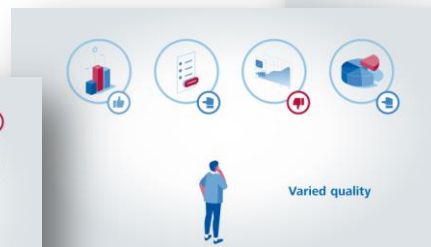
Data stored decentrally



Only stored temporarily



Non-standardised metadata



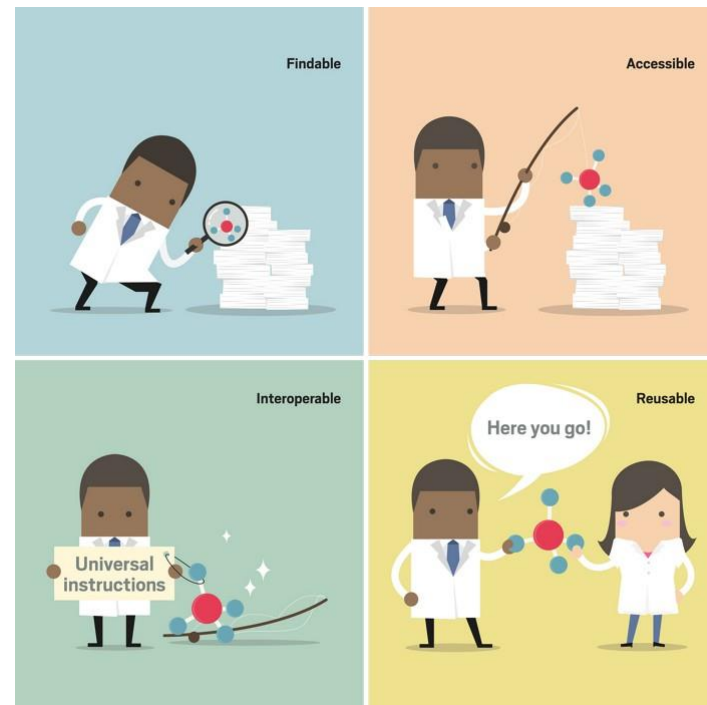
Varied quality



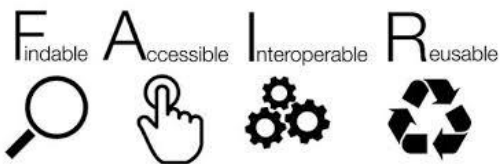
Lack of processes to assess data quality

NFDI in General

- Federal Government & 16 States decided to fund a **Nationale Forschungsdateninfrastruktur (NFDI)** in Germany
- NFDI association formal establishment in October 2020
- 90 million € in total for a period of 10 years
- up to 30 consortia from all areas of science are funded
- self-organized & strictly science-driven process of close collaboration (not competing within the individual scientific fields)
- Goal: make (research) data **FAIR**



Source: Laura Howes, Chemistry data should be FAIR, proponents say. But getting there will be a long road <https://cen.acs.org/policy/publishing/Chemistry-data-should-FAIR-proponents/97/i35>

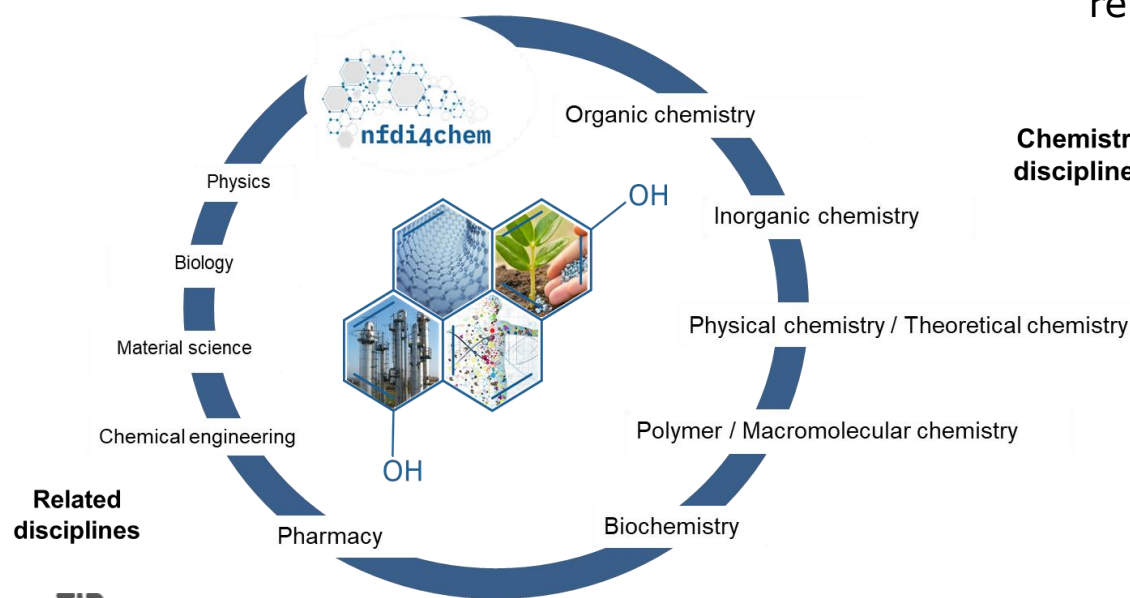


NFDI4Chem Consortium for Chemistry

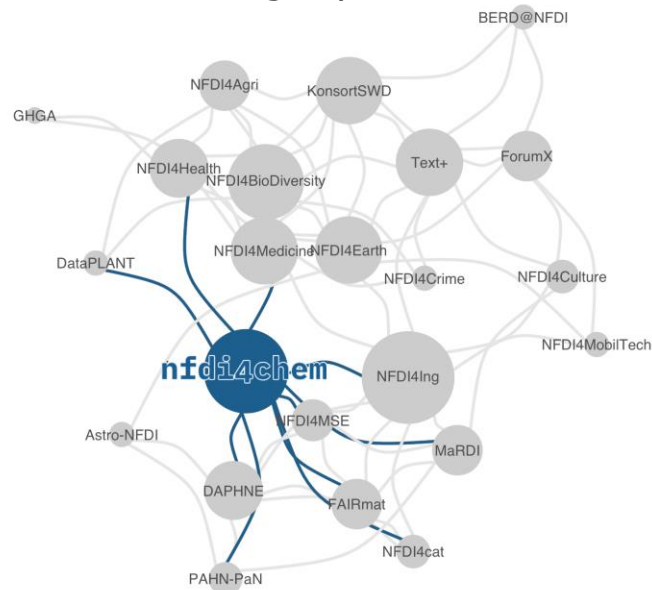


- consortium addresses the specific interests & needs of the chemical community

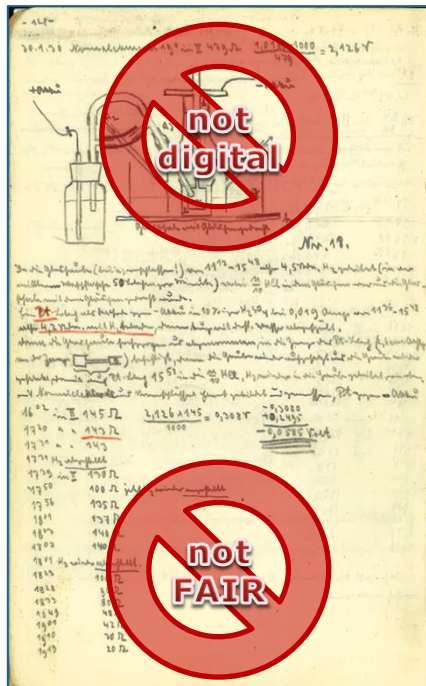
- molecule data as linking element
- cooperation on generic & chemistry related cross-cutting topics



Chemistry disciplines



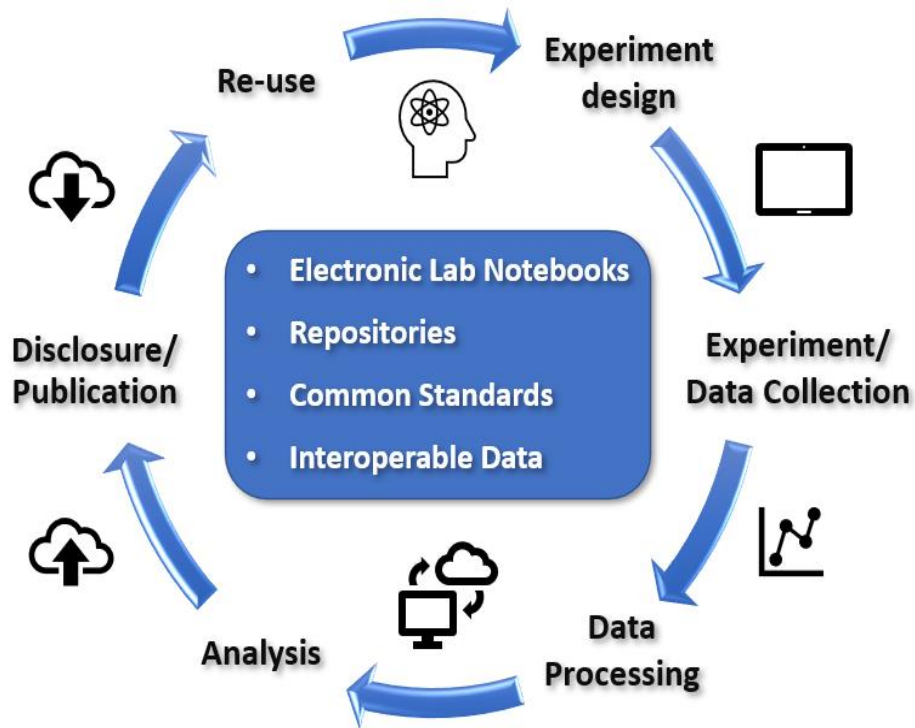
Our Vision



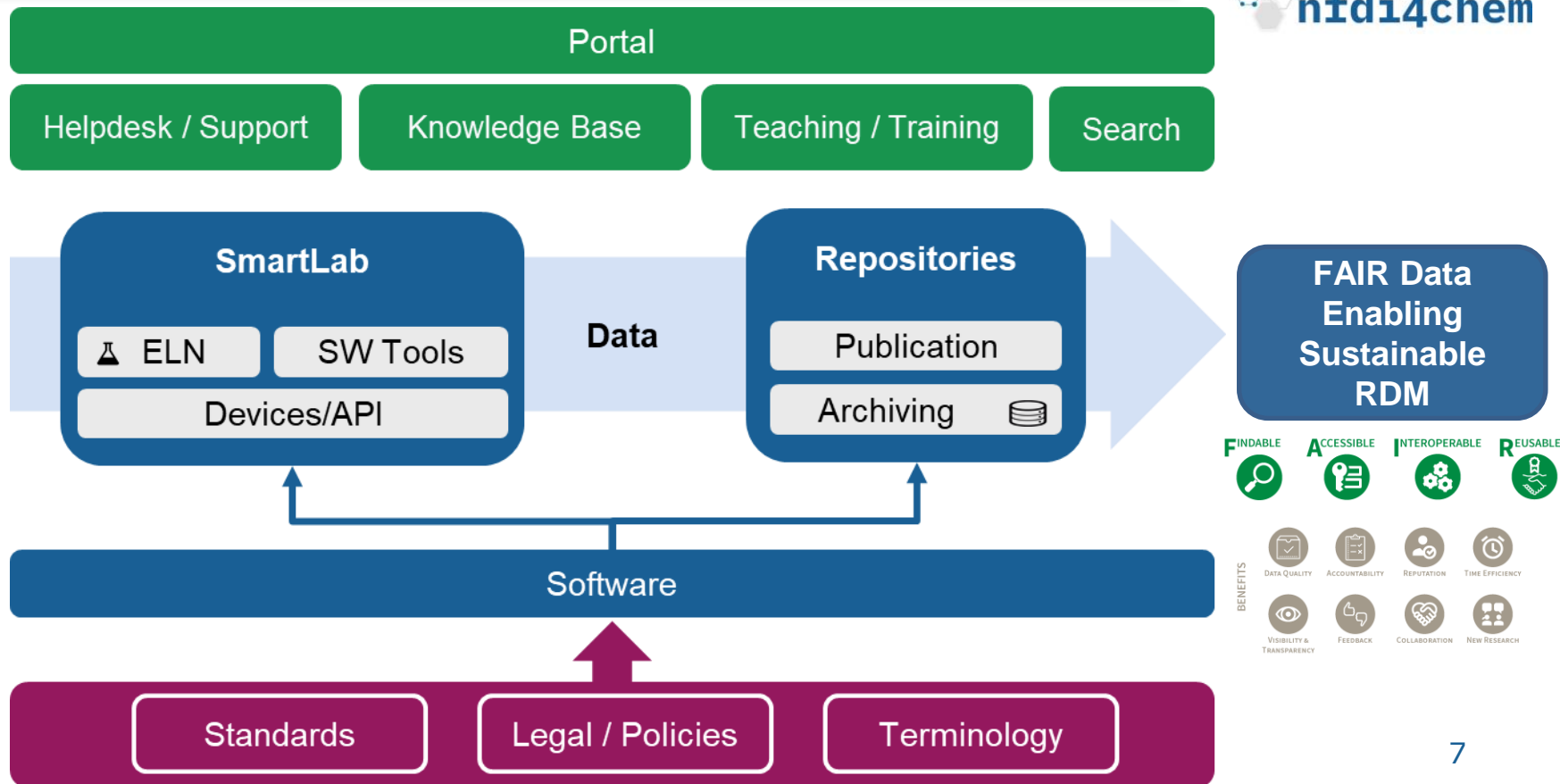
Digitalisation

Standards

Community



Strategy & Resulting Services



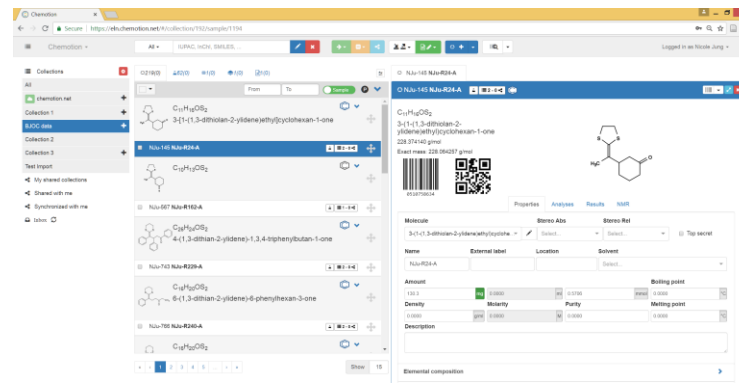
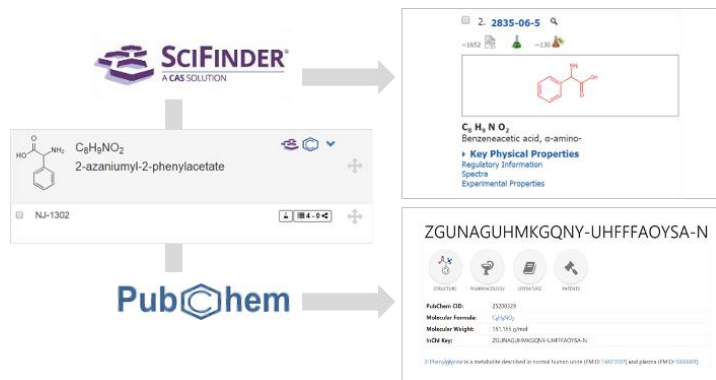
What NFDI4Chem Offers



Chemotion ELN & Repository (www.chemotion.net)



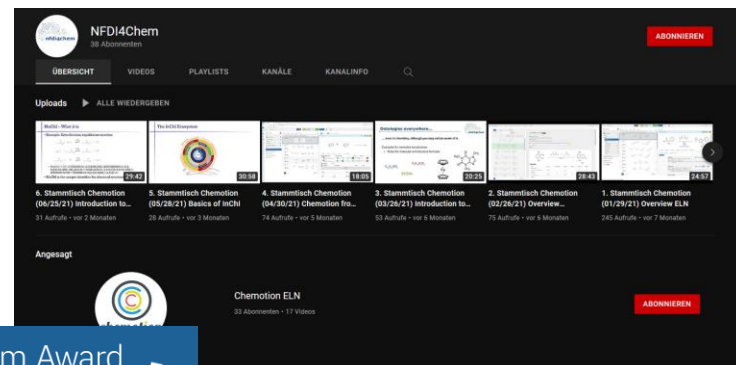
- bridges gap between data generation, analysis and publication
- allows easy organization & management of (chemical) research data
- enables more efficient work and time saving e.g. through reporting functions for Supporting Information (SI)



What NFDI4Chem Offers



- extensive teaching & training material:
 - ❖ [NFDI4Chem Youtube Channel](#)
 - ❖ [Chemotion/NFDI4Chem "Stammtisch"](#)
(next 29.10.21 @ 1 pm)
 - ❖ [Chemotion ELN Q&A Session](#)
(next 04.11.21 @ 3 pm)
 - ❖ Support to make your data publication FAIR
([Lead-by-Example](#), [FAIR4Chem Award](#))
- Helpdesk (contact & questions)
- in future:
 - ❖ Knowledge Base
 - ❖ overarching search service (for chemical data in various data repositories)
 - ❖ Workshops (e.g. chemistry focused Ontologies4Chem workshop in Q1 2022)



**FAIR4Chem Award
2022**

NFDI4Chem is looking for the FAIRest dataset in chemistry!

t1p.de/mguta



and much more...

NFDI4Chem Needs the Community



- NFDI4Chem started as a grassroots movement and still follows a community-driven approach
- Slogan: “With the community for the community!”
- Goal: all our products & services should be aligned with the needs and requirements of the (chemical) community



We need your support!



- please communicate with us and tell us about your specific requirements and use-cases
- you are very welcome to participate in our (online) events (Workshops, Roadshows, Talk Series, Q&A Sessions, etc.)
- try/use/test our products & services and give feedback

Become a Member of the Community



Looking for more information on NFDI4Chem?

- visit our website nfdi4chem.de
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- follow us on [Twitter](#) (@Nfdi4Chem) & [LinkedIn](#)
- contact us via helpdesk@nfdi4chem.de



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