

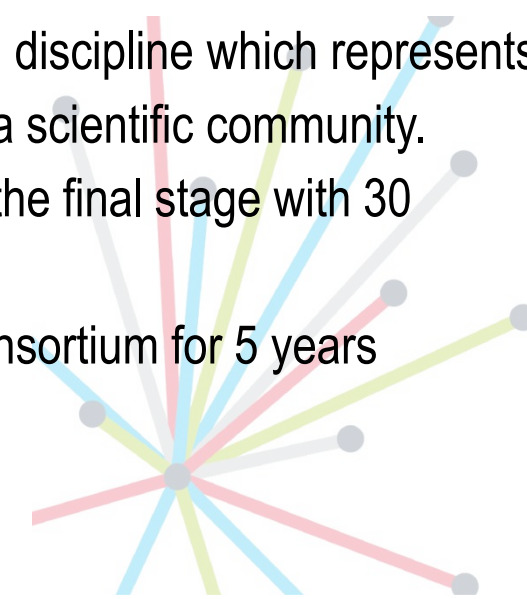
NFDI - NATIONAL RESEARCH DATA INFRASTRUCTURE AND TIBS' ACTIVITIES WITHIN

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Today new research results are increasingly obtained by drawing on existing data. The challenge is to find the matching data set, to understand it and to reuse it for your own purpose. In Germany a wide range of data services has been implemented locally over the past years to address these issues. Nevertheless we are still facing the same problems. Data is stored decentrally, we work with non-standardised metadata and we are missing processes to assess the quality of data. Under this impression the German Council for Scientific Information Infrastructures recommended to form a national research data infrastructure and to federate existing infrastructures, services and to fill remaining gaps with new services, not so much to investment in even more hardware and systems. In 2018 the German government and the federal states decided to found the National Research Data Infrastructure (NFDI).



- Up to 30 consortia in NFDI representing sciences
- Community-driven process, Non-competitive application process
- Only one consortium for each discipline which represents all important stakeholders of a scientific community.
- Funding of €70m per year in the final stage with 30 consortia.
- ~€2.3m per year for each consortium for 5 years (+5 years)



// NFDI

Up to 30 consortia will represent a variety of scientific disciplines in the NFDI. The NFDI e.V.¹ is supporting the joint efforts to link infrastructures, services and develop common data and metadata standards through the NFDI sections².

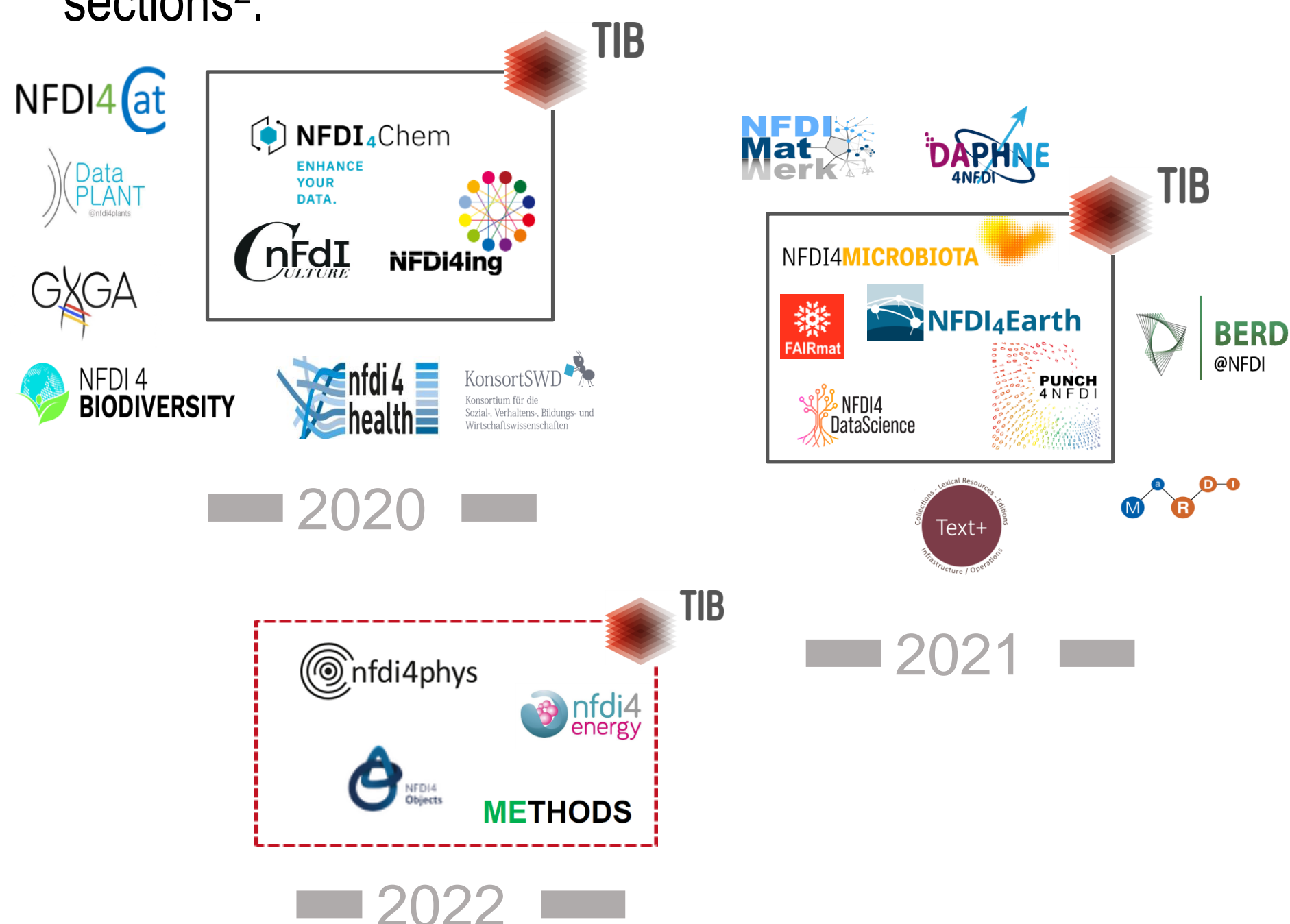
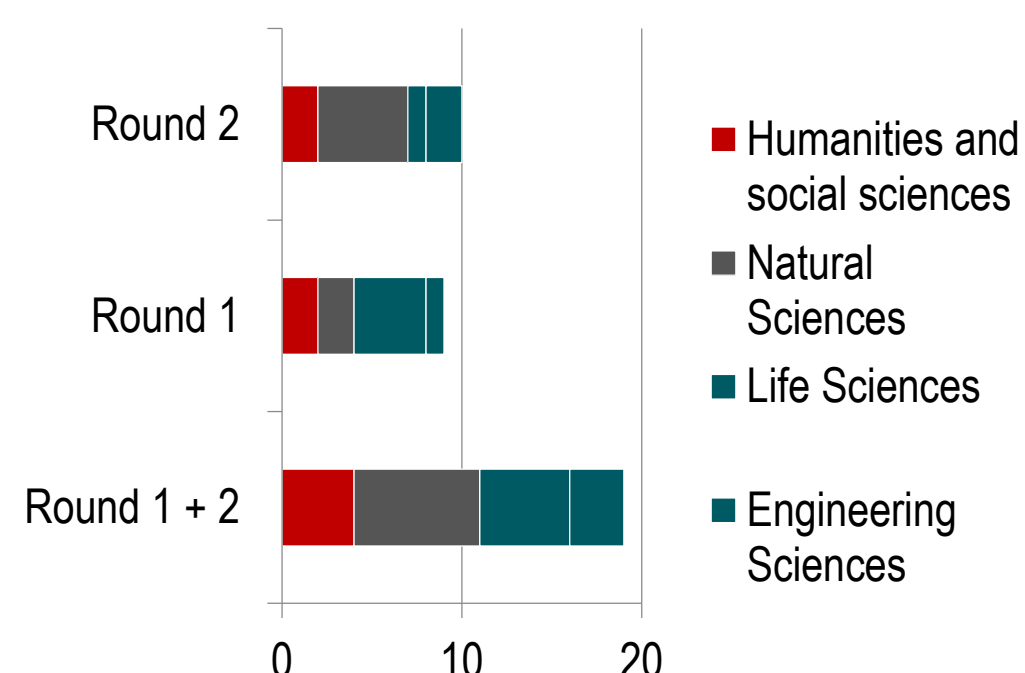


Image above: NFDI consortia started in 2020, 2021 and TIB's participation. Decision for the third funding period will be announced in June 2022.

Image below: Funded consortia by discipline

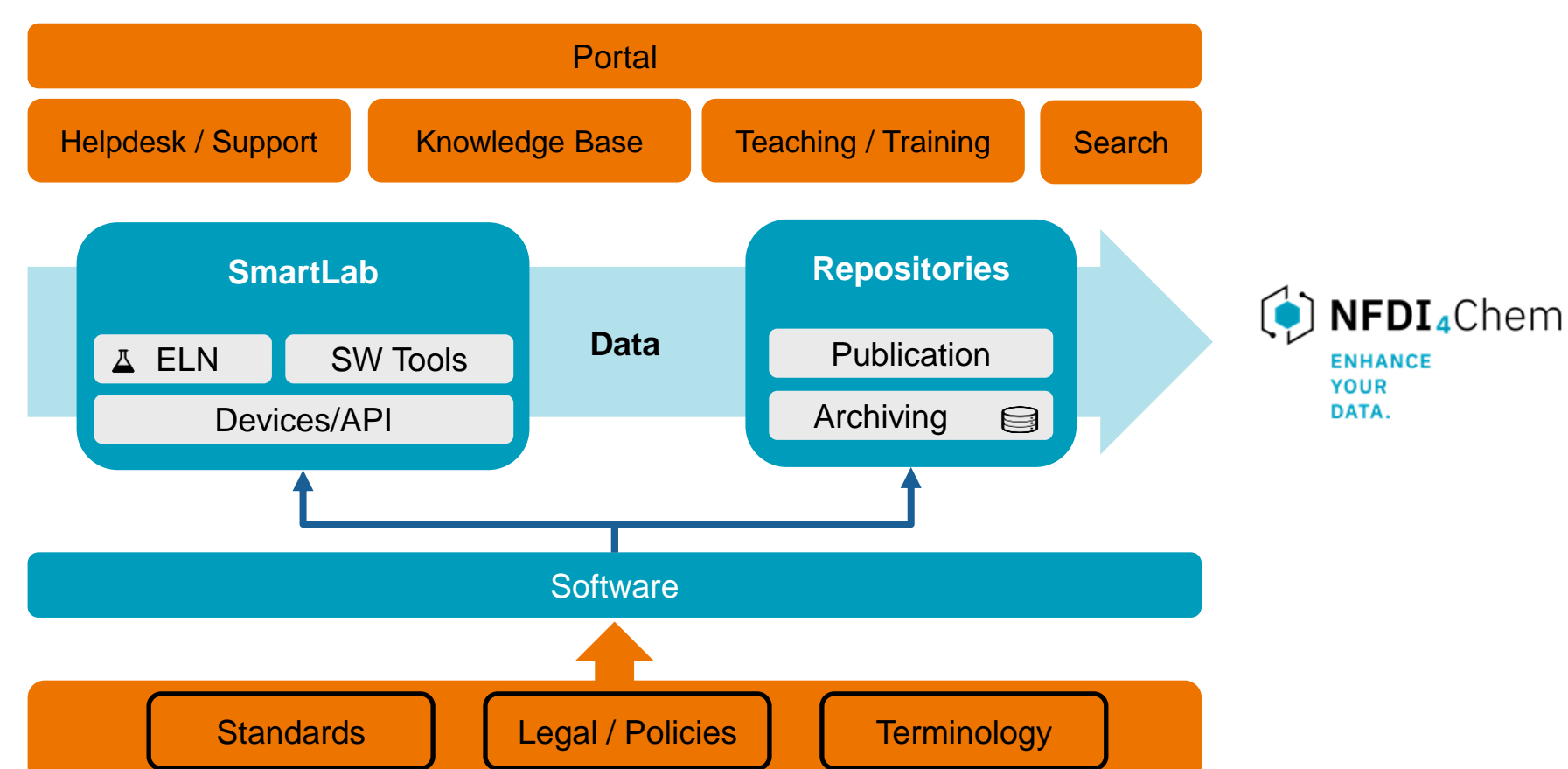


References:

- [1] NFDI e.V. website, <https://nfdi.de>, last visited 20.11.21
 [2] Concept papers of the first NFDI e.V. sections published: <https://www.nfdi.de/alle-vier-sektionskonzepte-veroeffentlicht>, last visited 20.11.21
 [3] Steinbeck C, Koepler O, Bach F, Herres-Pawlis S, Jung N, Liermann J, Neumann S, Razum M, Baldauf C, Biedermann F, Bocklitz TW, Boehm F, Broda F, Czodrowski P, Engel T, Hicks MG, Kast SM, Kettner C, Koch W, Lanza G, Link A, Mata RA, Nagel WE, Porzel A, Schlöner N, Schulze T, Weing H-G, Wenzel W, Wessjohann LA, Wulle S (2020) NFDI4Chem - Towards a National Research Data Infrastructure for Chemistry in Germany. Research Ideas and Outcomes 6: e55852. <https://doi.org/10.3897/rio.6.e55852>

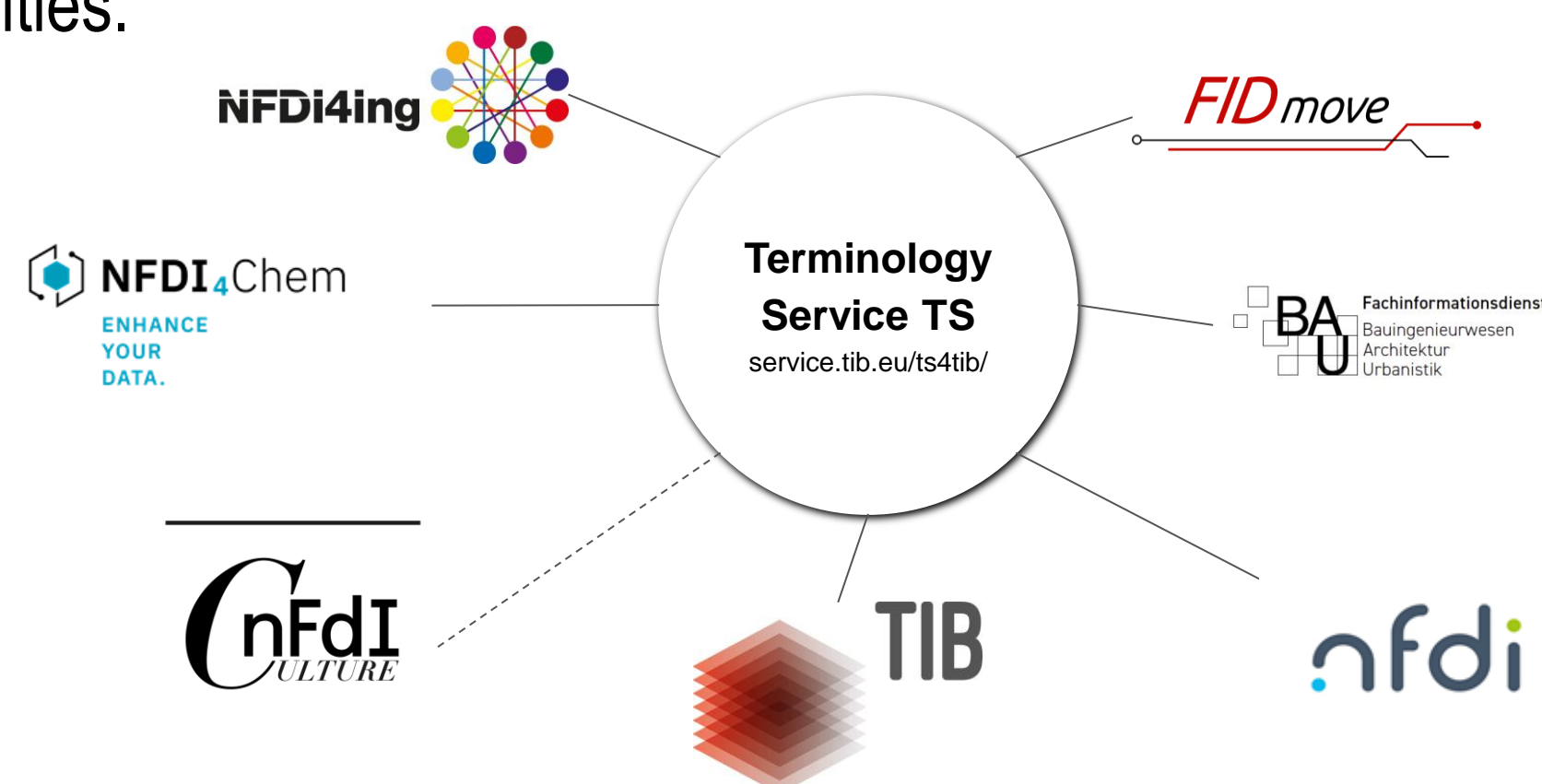
// NFDI4CHEM

The vision of NFDI4Chem is the full digitisation of data workflows in chemistry from the earliest point in time in the lab to the final data publication based on open standards³. Experimental data is captured and semantically annotated in electronic lab notebooks. From there data will flow into repositories of the NFDI4Chem federation.



// TIB TERMINOLOGY SERVICE TS

TS is a central service by TIB providing curation, provision and archiving of terminologies and ontologies to various projects and communities.



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