

PUNCH-Lunch –

the online lunch seminar of the PUNCH4NFDI Consortium

Every second Thursday, 12:30-13:30 hrs: keynote and discussion



Thursday, 14 January 2021, 12:30 hrs:

Philip Bechtle (Bonn), Sebastian Neubert (Bonn):

The PUNCH4NFDI Portal and the PUNCH “Research Product” –

The vision for the PUNCH Science Data Platform

Abstract:

One of the core ideas behind the proposal of the PUNCH4NFDI consortium for the “nationale Forschungsdaten-Infrastruktur” NFDI is the PUNCH-SDP, or “Science Data Platform”. This platform serves as the backbone of the computing offered by PUNCH4NFDI to its community. It combines original, new ideas with established concepts for data storage, access and computing. Like other platform projects, it is based on the idea of FAIR data and includes the data storage and computing infrastructure, data lakes and distributed computing, data analysis tools, and a portal for finding, exploring, accessing and manipulating data. PUNCH will contribute significantly to further developing the technologies behind these capabilities, together with other European platform projects such as the EOSC.

The central element that sets the ideal of the PUNCH-SDP apart from other platforms of the physical sciences or other natural sciences is the “Research Product”. The idea is that the PUNCH-SDP will not only allow individual access to data and usage of tools, but that it will aim to focus on the FAIR access of a “web” of knowledge around data and its usage: The Research Product will allow to store, access, modify and re-use workflows or parts thereof, data, simulation, code, tools and results directly on the PUNCH-SDP.

In this seminar, we will explain the ideas behind this plan, showcase parts of the existing technology in the PUNCH fields on which this development will be based and give examples for possible future FAIR workflows on the PUNCH-SDP. We hope for an intense discussion and for feedback from the community on the next steps in the realisation of the idea of “Research Products”.

Connection details:

ZOOM Webinar “PUNCH-Lunch”: <https://desy.zoom.us/j/94927131622>

Webinar ID: 949 2713 1622, passcode: 532479

Next event:

Thursday, 28 January 2021, 12:30 hrs

PUNCH4NFDI and NFDI4Culture – natural sciences and humanities in the NFDI

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