



NFDI4ing – National Research Data Infrastructure for Engineering Sciences

Annett Schwarz* und Évariste Demandt*

* IT Center, RWTH Aachen University, Germany

our goals

retrace and reproduce all steps of engineering research processes

treat engineering research software as research data

automate and optimise the recording and linking of auxiliary information

share and integrate large amounts of data via networked infrastructure

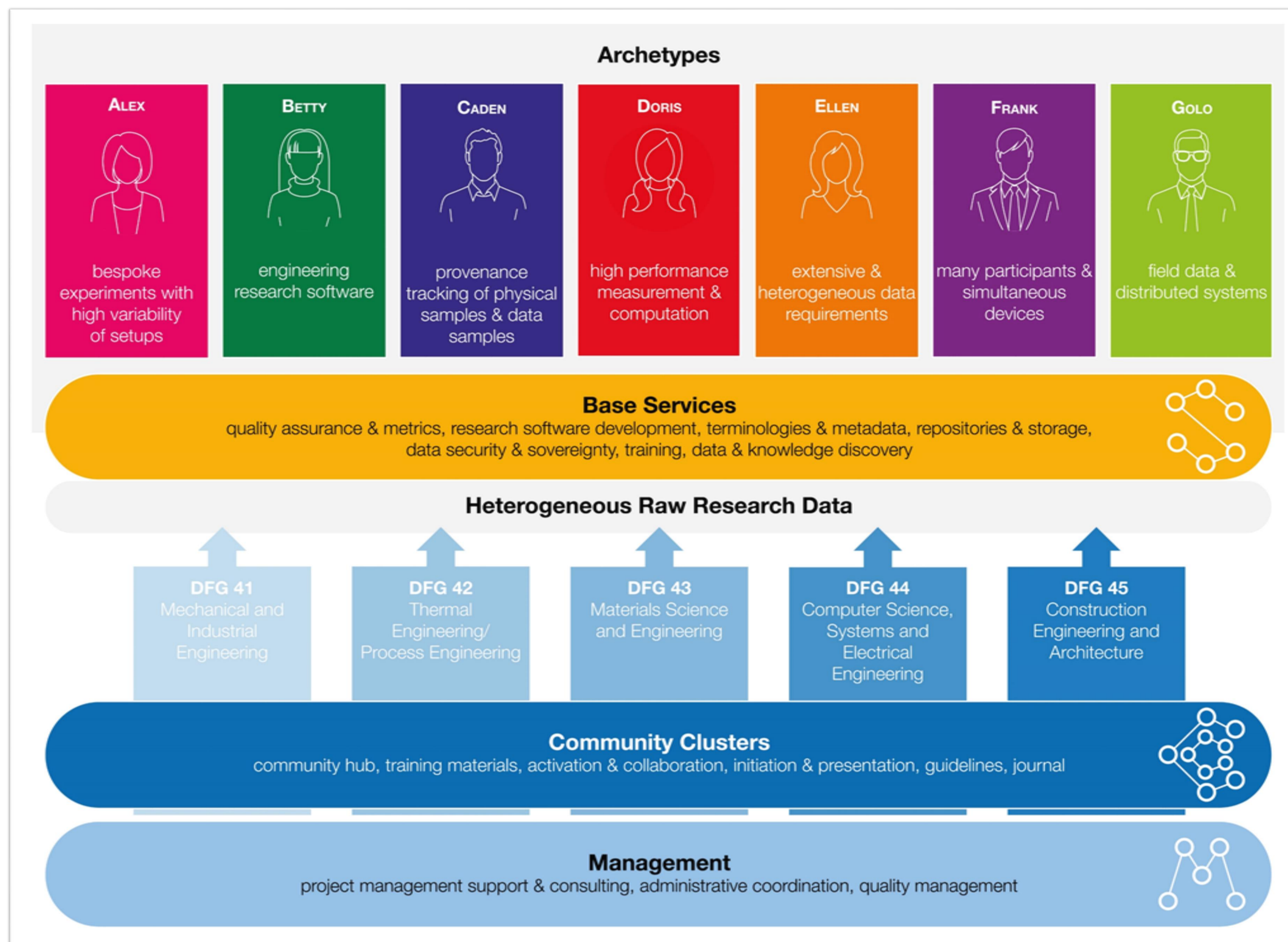
establish sophisticated means in authentication and authorization

generate machine-processable representations of auxiliary information

improve data- and software-related education (data literacy)

standardise and acknowledge data publications

our task areas



DFG 41: Mechanical and Industrial Engineering
Robert Schmitt



DFG 42: Thermal Engineering/ Process Engineering
Peter Pelz



DFG 45: Construction Engineering and Architecture
Manfred Krafczyk



DFG 44: Computer Science, Systems and Electrical Engineering



Regine Gerike
Christian Langenbach

community clusters



DFG 43: Materials Science and Engineering
Britta Nestler

building our community

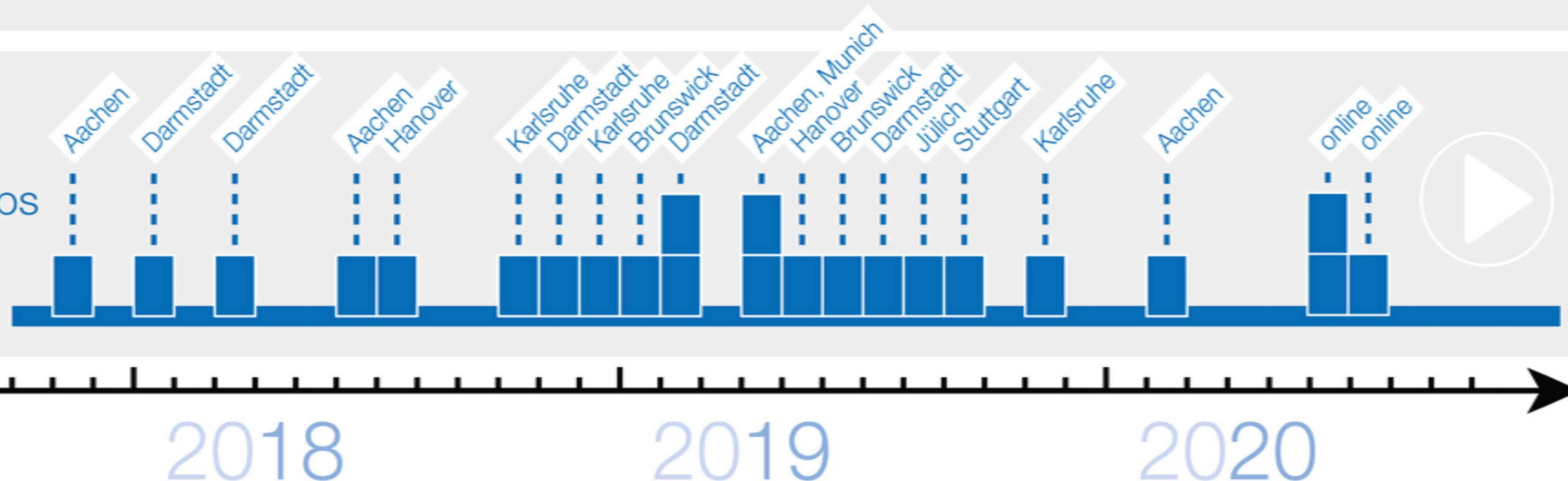
NFDI4ing

productive since 2017

communities joining



workshops held



co-applicant institutions



Contact:
geschaeftsstelle@nfdi4ing.de
www.nfdi4ing.de

This work is licensed under a Creative Commons Attribution 4.0 International License.



Literature:

Schmitt, R. et al., *NFDI4ing - the National Research Data Infrastructure for Engineering Sciences*, Zenodo, 2020, <http://doi.org/10.5281/zenodo.4015201>