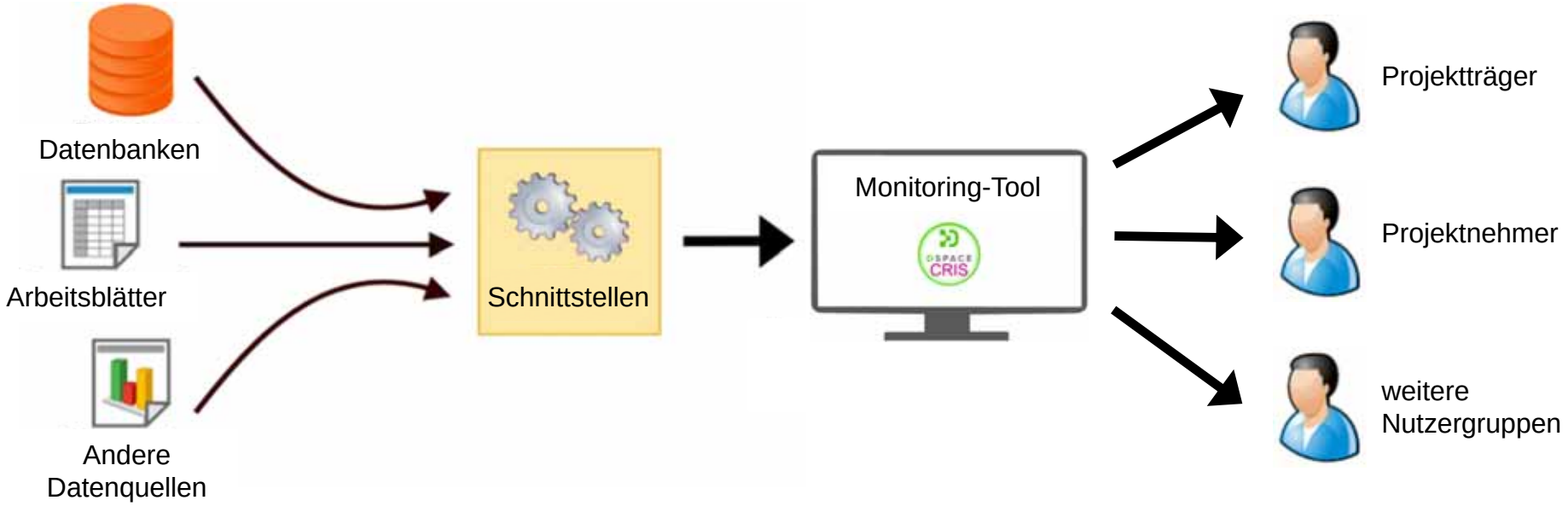
disy
Geointelligenz für Ihre Daten

Technische Einblicke in das SynSICRIS-Projekt

SynSICRIS Midterm-Konferenz 17./18. November 2020

Stefan Lossow, Lucia Hahne und Andreas Abecker

Der Blick aus der Technik



#1: Was ist DSpace-CRIS?

#2: Was ist Open Source?

#3: Wie ist der Entwicklungsprozess der Software?

DSpace

Software zum Aufbau von offenen, digitalen Repositories (Archive, Sammlungen)

typsicherweise für akademische, Non-Profit und kommerzielle Organisationen

- Entwicklung: MIT & Hewlett Packard
- Initialer Release: 2002

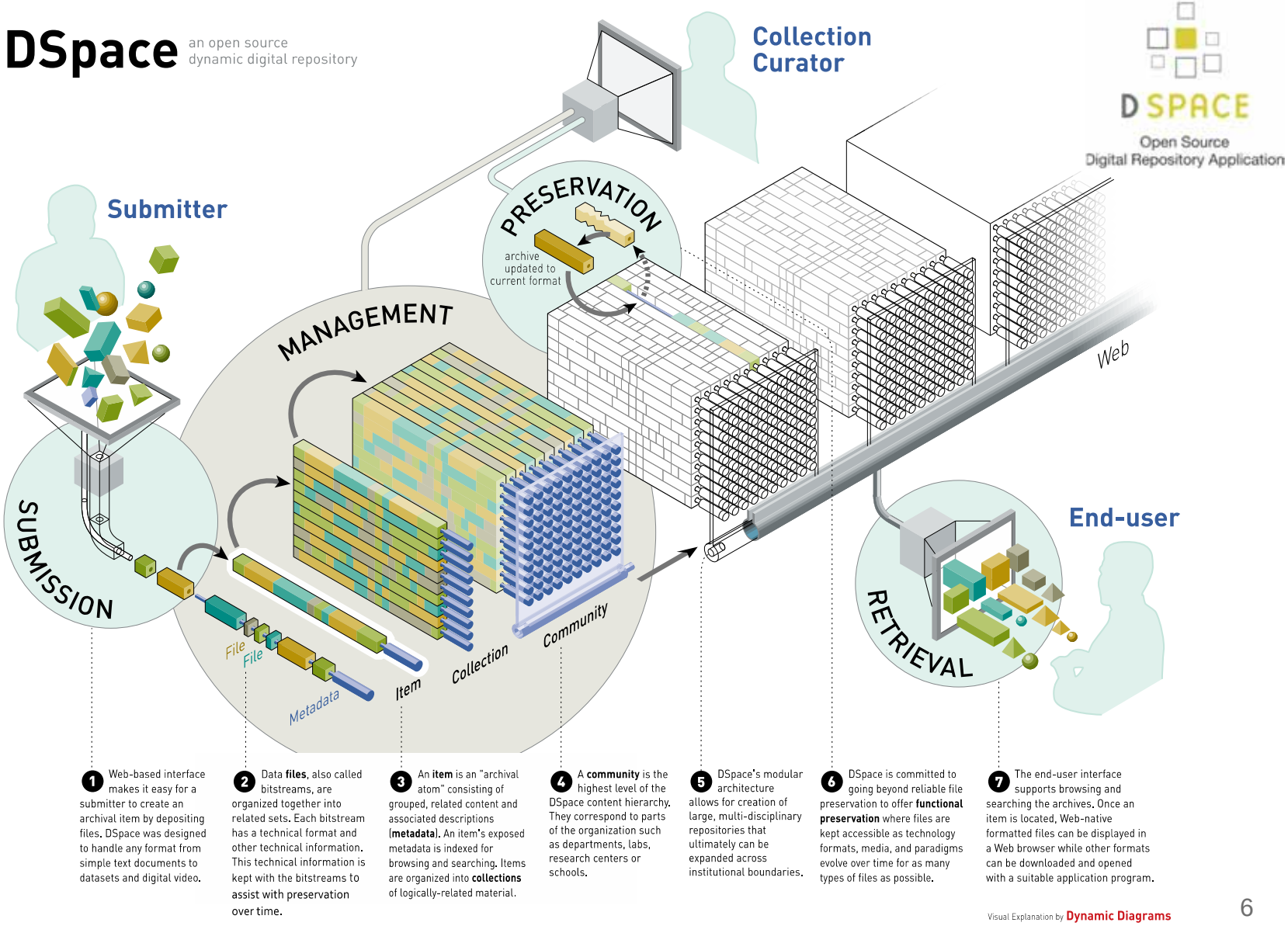
Dspace-CRIS

Erweiterung von DSpace für Forschungsinformation

Current Research Information System – basieren auf dem Common European Research Information Format (CERIF)

- Entwicklung: 4Science (Cilea/Cineca)
- Initialer Release: 2009

DSpace-CRIS

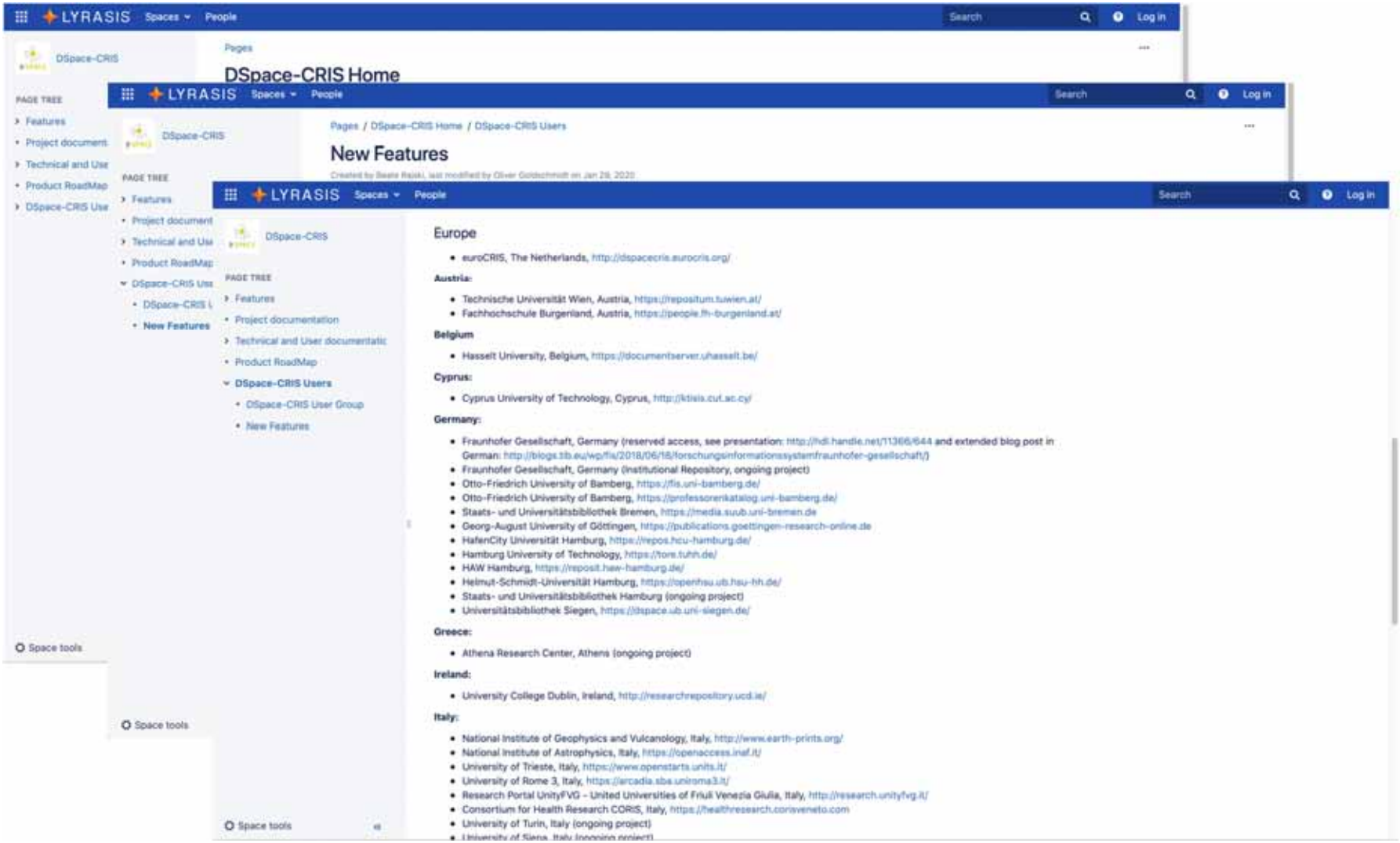

DSpace
an open source
dynamic digital repository
Collection
Curator
DSPACE
Open Source
Digital Repository Application
Submitter
PRESERVATION
archive
updated to
current format
MANAGEMENT
Web
SUBMISSION
End-user
RETRIEVAL
File
File
Metadata
Item
Collection
Community
1 Web-based interface makes it easy for a submitter to create an archival item by depositing files. DSpace was designed to handle any format from simple text documents to datasets and digital video.
2 Data files, also called bitstreams, are organized together into related sets. Each bitstream has a technical format and other technical information. This technical information is kept with the bitstreams to assist with preservation over time.
3 An item is an "archival atom" consisting of grouped, related content and associated descriptions (metadata). An item's exposed metadata is indexed for browsing and searching. Items are organized into collections of logically-related material.
4 A community is the highest level of the DSpace content hierarchy. They correspond to parts of the organization such as departments, labs, research centers or schools.
5 DSpace's modular architecture allows for creation of large, multi-disciplinary repositories that ultimately can be expanded across institutional boundaries.
6 DSpace is committed to going beyond reliable file preservation to offer functional preservation where files are kept accessible as technology formats, media, and paradigms evolve over time for as many types of files as possible.
7 The end-user interface supports browsing and searching the archives. Once an item is located, Web-native formatted files can be displayed in a Web browser while other formats can be downloaded and opened with a suitable application program.
Visual Explanation by Dynamic Diagrams

frei zugänglicher Software-Quellcode

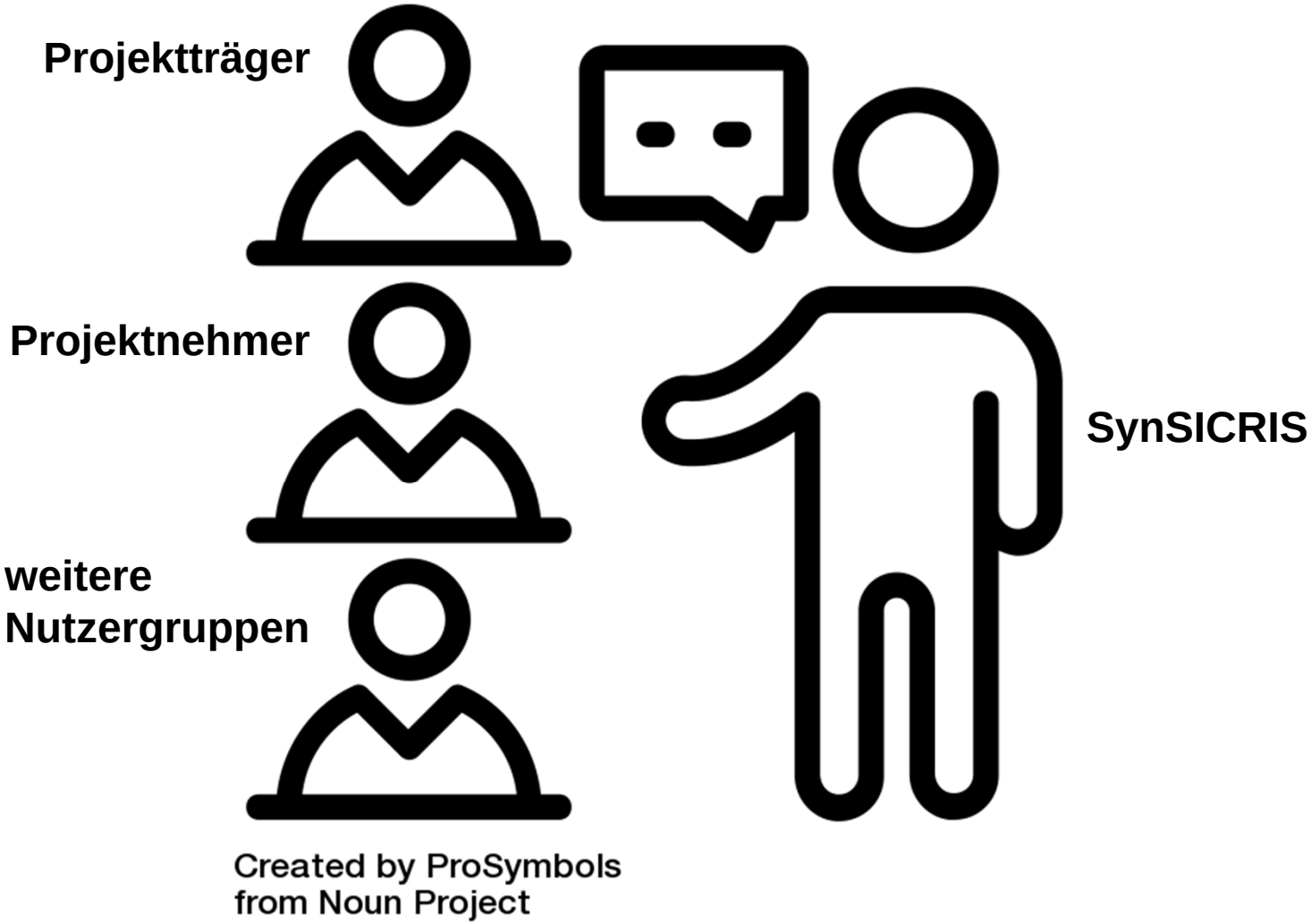
- kostenlos
- kann niederschwellig ausprobiert werden
- kann verändert und erweitert werden
- lässt sich genauso gut schützen wie kostenpflichtige Software

- ist nicht equivalent mit Open Data

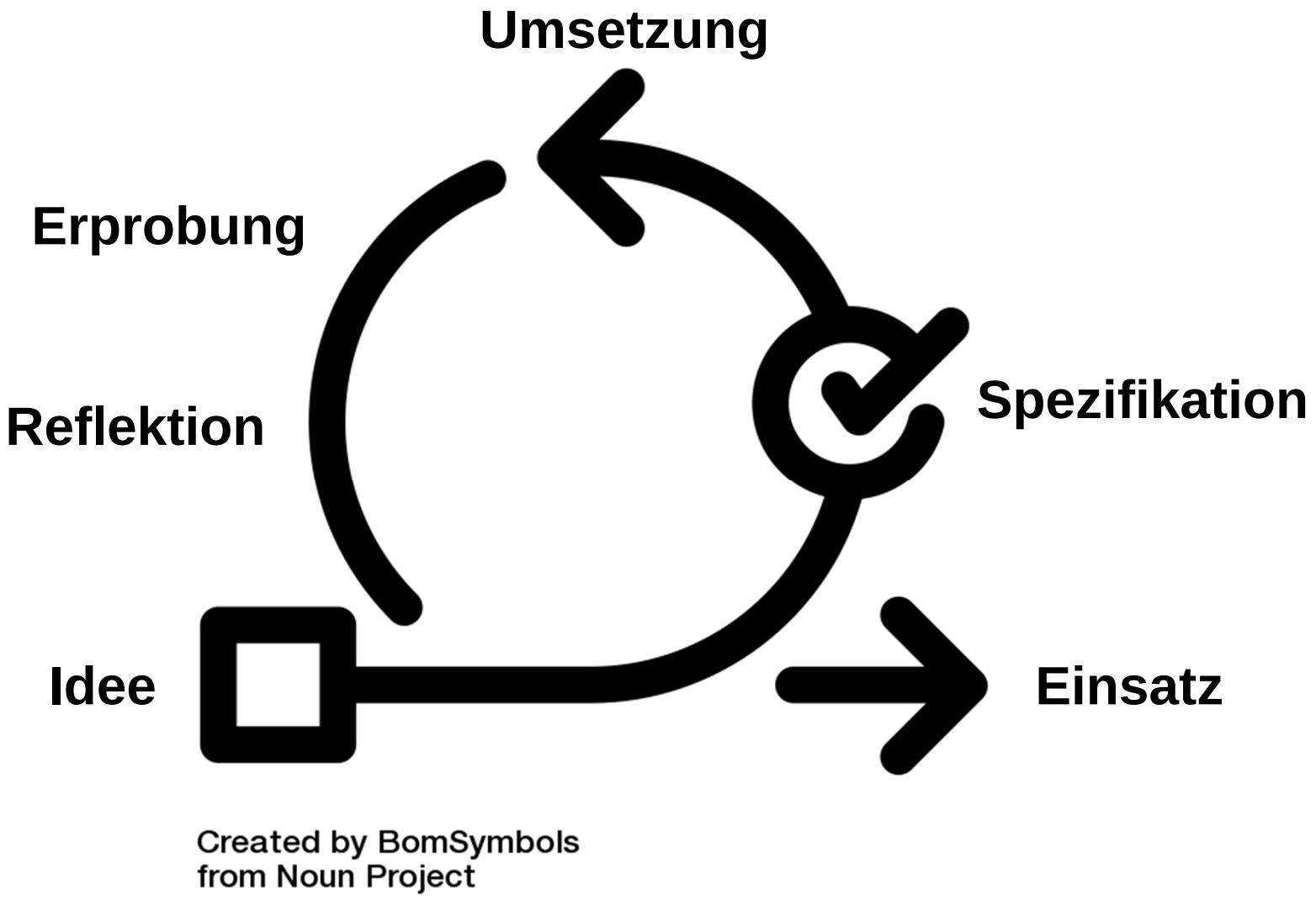
Open Source


LYRASIS
Spaces
People
Search
Log in
DSpace-CRIS
PAGE TREE
Features
Project document
Technical and Use
Product RoadMap
DSpace-CRIS Use
Pages
DSpace-CRIS Home
Pages / DSpace-CRIS Home / DSpace-CRIS Users
New Features
Project documentation
Technical and User documentatic
DSpace-CRIS Users
DSpace-CRIS User Group
Space tools
Europe
euroCRIS, The Netherlands, http://dspacecris.eurocris.org/
Austria:
Technische Universität Wien, Austria, https://repositum.tuwien.at/
Fachhochschule Burgenland, Austria, https://people.fh-burgenland.at/
Belgium
Hasselt University, Belgium, https://documentserver.uhasselt.be/
Cyprus:
Cyprus University of Technology, Cyprus, http://ktisis.cut.ac.cy/
Germany:
Fraunhofer Gesellschaft, Germany (reserved access, see presentation: http://hdl.handle.net/11366/644 and extended blog post in German: http://blogs.tib.eu/wp/tib/2018/06/18/forschungsinformationssystemfraunhofer-gesellschaft/)
Fraunhofer Gesellschaft, Germany (Institutional Repository, ongoing project)
Otto-Friedrich University of Bamberg, https://fis.uni-bamberg.de/
Otto-Friedrich University of Bamberg, https://professorenkatalog.uni-bamberg.de/
Staats- und Universitätsbibliothek Bremen, https://media.suub.uni-bremen.de
Georg-August University of Göttingen, https://publications.goettingen-research-online.de
HafenCity Universität Hamburg, https://repos.hcu-hamburg.de/
Hamburg University of Technology, https://tore.tuhh.de/
HAW Hamburg, https://reposit.haw-hamburg.de/
Helmut-Schmidt-Universität Hamburg, https://openhsu.ub.hsu-hh.de/
Staats- und Universitätsbibliothek Hamburg (ongoing project)
Universitätsbibliothek Siegen, https://dspace.ub.uni-siegen.de/
Greece:
Athena Research Center, Athens (ongoing project)
Ireland:
University College Dublin, Ireland, http://researchrepository.ucd.ie/
Italy:
National Institute of Geophysics and Vulcanology, Italy, http://www.earth-prints.org/
National Institute of Astrophysics, Italy, https://openaccess.inaf.it/
University of Trieste, Italy, https://www.openstarts.units.it/
University of Rome 3, Italy, https://arcadia.sba.uniroma3.it/
Research Portal UnityFVG – United Universities of Friuli Venezia Giulia, Italy, http://research.unityfvg.it/
Consortium for Health Research CORIS, Italy, https://healthresearch.coriveneto.com
University of Turin, Italy (ongoing project)

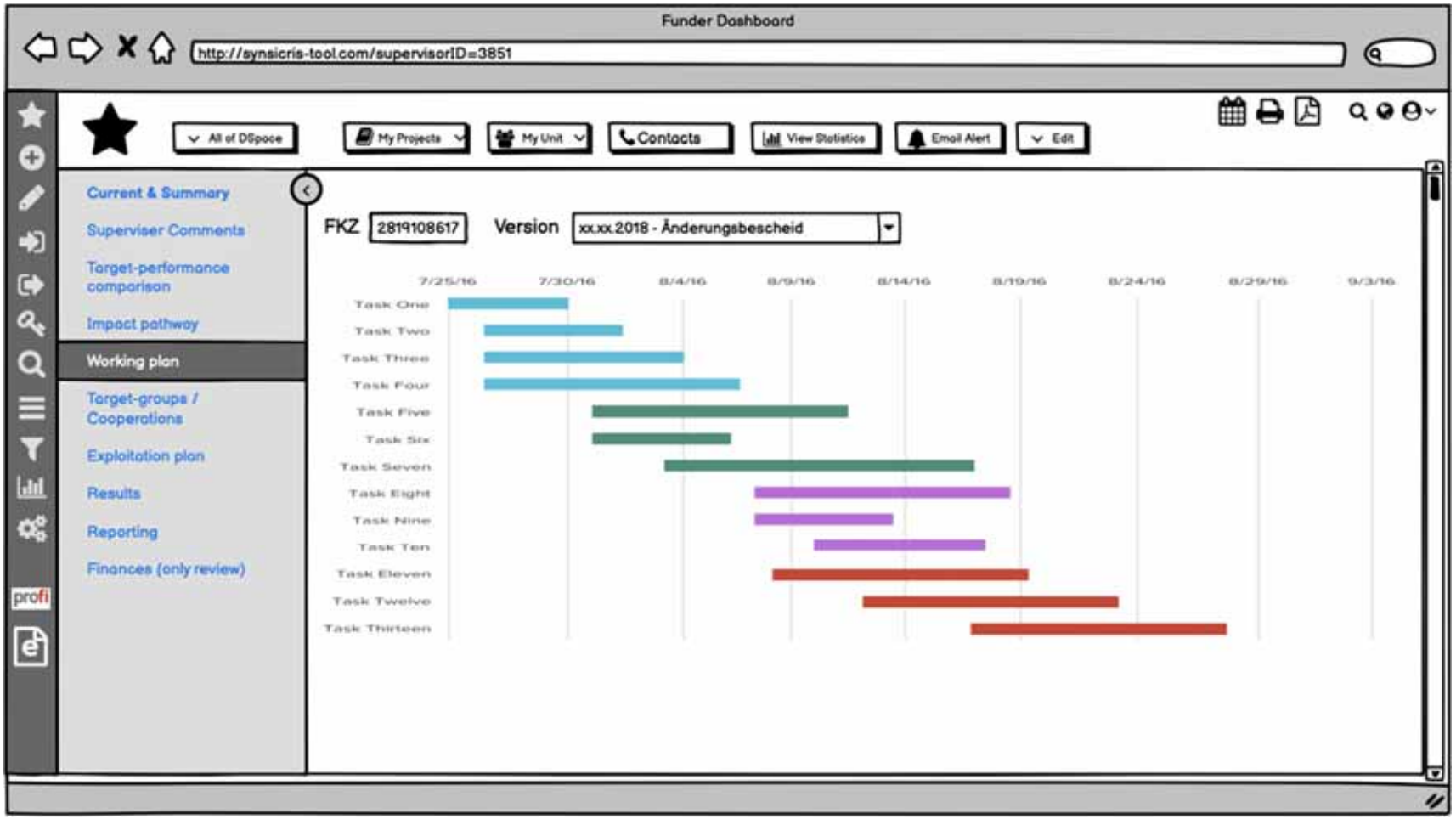
Entwicklungsprozess



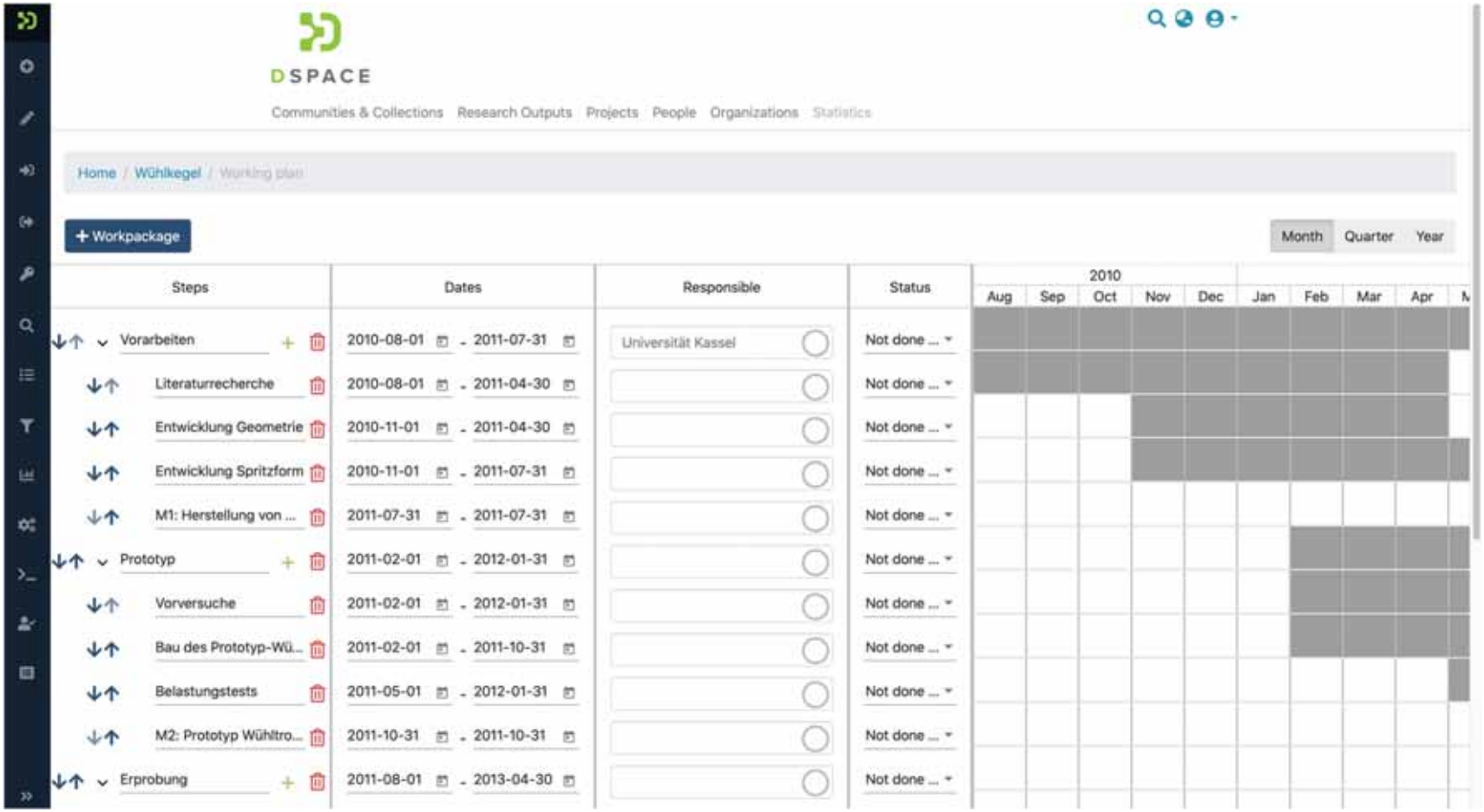
Frage #3


Umsetzung
Erprobung
Spezifikation
Reflektion
Idee
Einsatz
Created by BomSymbols
from Noun Project

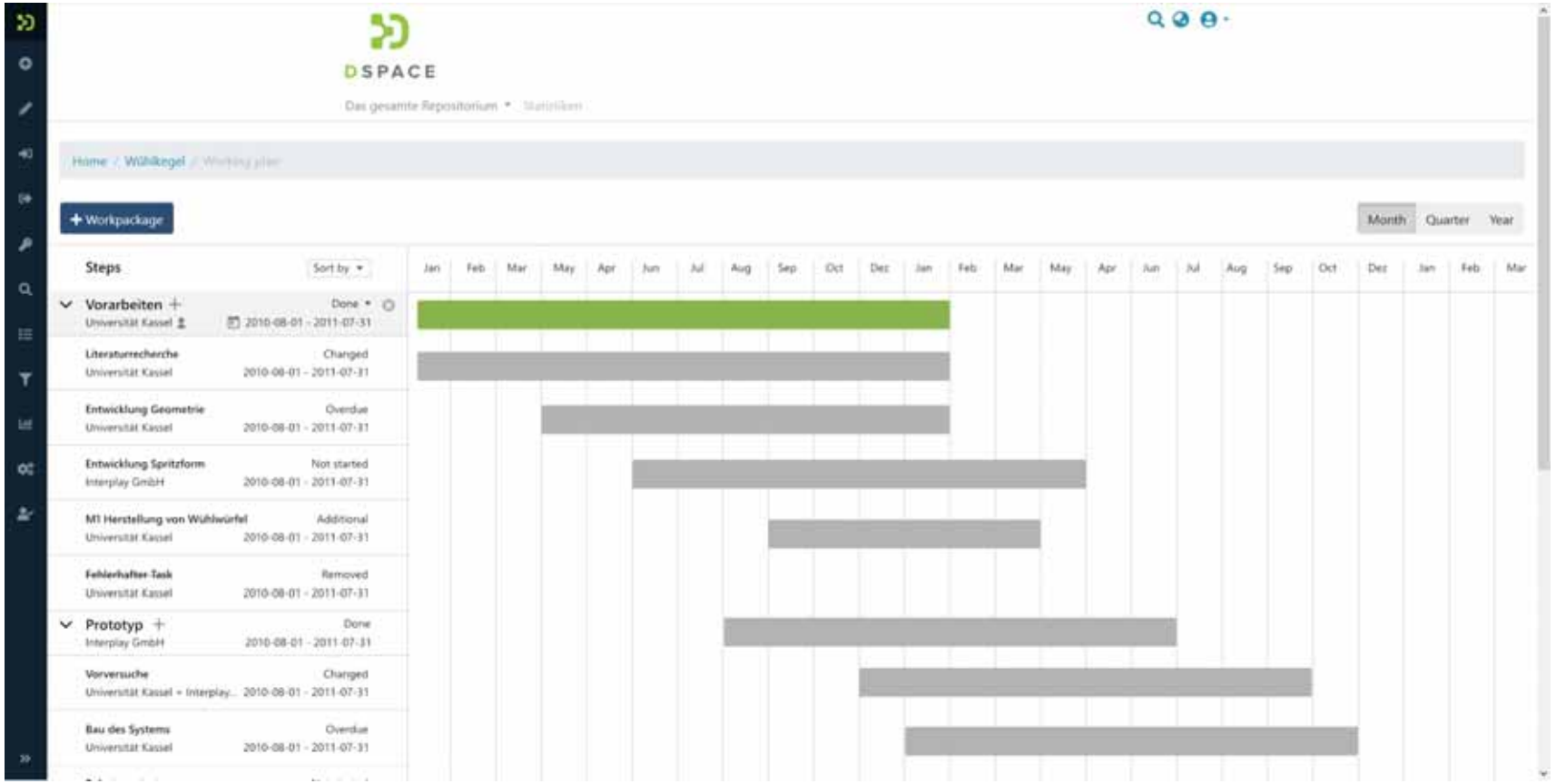
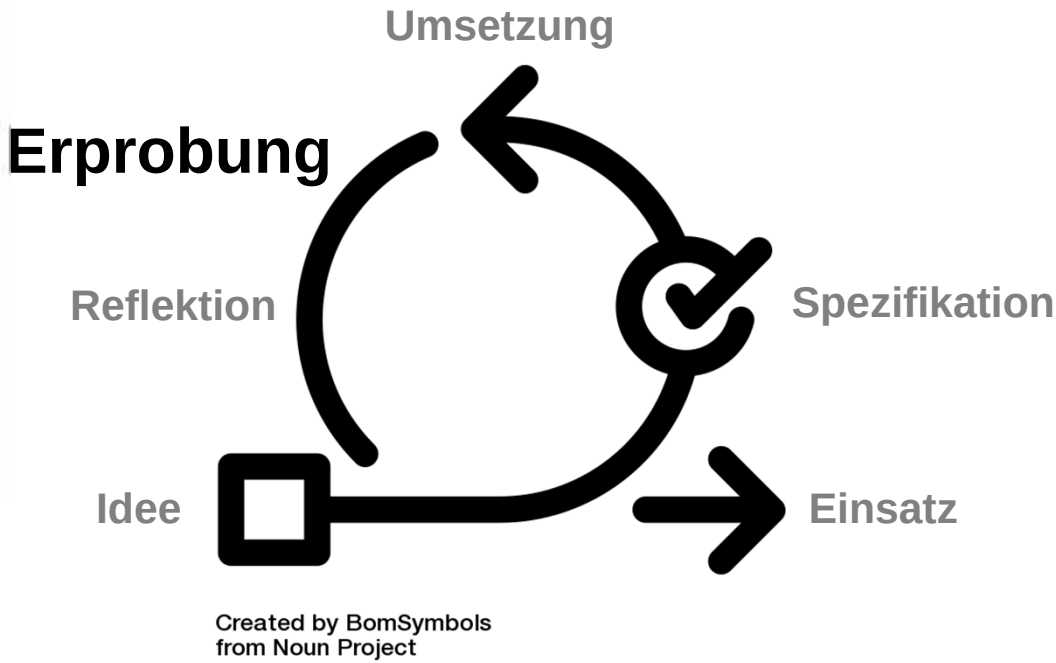
Entwicklungsprozess



Entwicklungsprozess



Entwicklungsprozess



Entwicklungsprozess