

Novel approaches in Open Science



cOAlition S / Plan S



cOAlition S Making Open Access a reality by 2020

A DECLARATION OF COMMITMENT
BY PUBLIC RESEARCH FUNDERS

<http://scieur.org/coalition-s>

OA-Achievements in Mannheim last year

- 2017-10: Open Access Publishing Fund
- 2017-11: OJS-Platform for Open Access Journals
- 2017-12: Open Access Policy of the University of Mannheim
- 2018-10: Launch of MADOC-ORCID-Integration



Overview: Novel approaches in Open Science

13:30 – 13:40 h	Welcome remarks <i>Prof. Dr. Edgar Erdfelder, Vice President for Research</i> <i>Dr. Sabine Gehrlein, University Librarian</i>
13:40 – 14:00 h	Introduction to Open Access, Open Data, Open Science <i>Dr. Philipp Zumstein, Open Access representative</i>
14:00 – 14:30 h	Open Science in all its Facets with a Focus on Research Software <i>Prof. Dr. Konrad Förstner, ZB MED/TH Köln</i> + Allianz AG „Digital tools — software and services“
14:30 – 14:50 h	New Developments in Research Transparency and Reproducibility <i>Dr. Eike Mark Rinke, Mannheim Centre for European Social Research (MZES)</i>
14:50 – 15:10 h	Create an Open Access Journal <i>Prof. Dr. Carola Trips, Anglistische Linguistik/Diachronie</i>
15:10 – 15:20 h	Support for Open Access, Open Science <i>Dr. Ursula Schlichter, EU-liaison officer</i> <i>Dr. Philipp Zumstein, Open Access representative</i>
15:20 –	Talk & discussion

INTRODUCTION TO OPEN ACCESS, OPEN DATA, OPEN SCIENCE

Definition: Open Access

“By ‘open access’ to this literature, we mean its **free availability** on the public internet, permitting any users to **read, download, copy, distribute, print, search**, or **link** to the full texts of these articles, **crawl** them for indexing, **pass** them as data to software, or **use** them for any other lawful purpose, **without financial, legal, or technical barriers** other than those inseparable from gaining access to the internet itself.” ([Budapest Open Access Initiative 2002](#))

NOT Open Access



Step 2 Pricing and access depends on your membership or subscriptions with ACM.

Brought to you by:
UB Mannheim

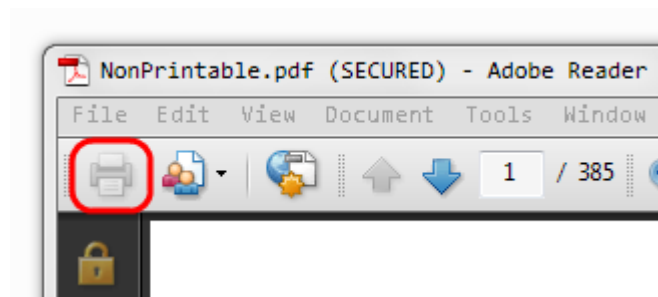
☐ Download the Article as  PDF



ACM Member	\$10.00
ACM Student Member	\$5.00
Non Member	\$15.00

Join ACM and subscribe to the ACM Digital Library to gain access to all materials

- ☐ Professional Membership with an ACM Digital Library subscription \$198.00
- ☐ Student Membership with an ACM Digital Library subscription \$42.00



Password must be 5-200 Characters

☐ Opt out of marketing communications

Continue and Download

Already a member?

Sign in and Download

Why Open Access?



Research Policies

[Code of good research practice at the University of Mannheim \(2014\)](#), Sect. 2, par. 2, from no. 6:

- Studies shall be replicable
- Share your research data, if possible
- Cite data you used

[Open Access Policy of the University of Mannheim \(December 2017\)](#):

- “The University of Mannheim therefore expressly advises its researchers to make their research results available to the international scientific community as well as the general public through Open Access.”
- “The university welcomes if its researchers in their capacity as editors or reviewers support the transformation of scientific journals to Open Access journals.”

Different ways to OA

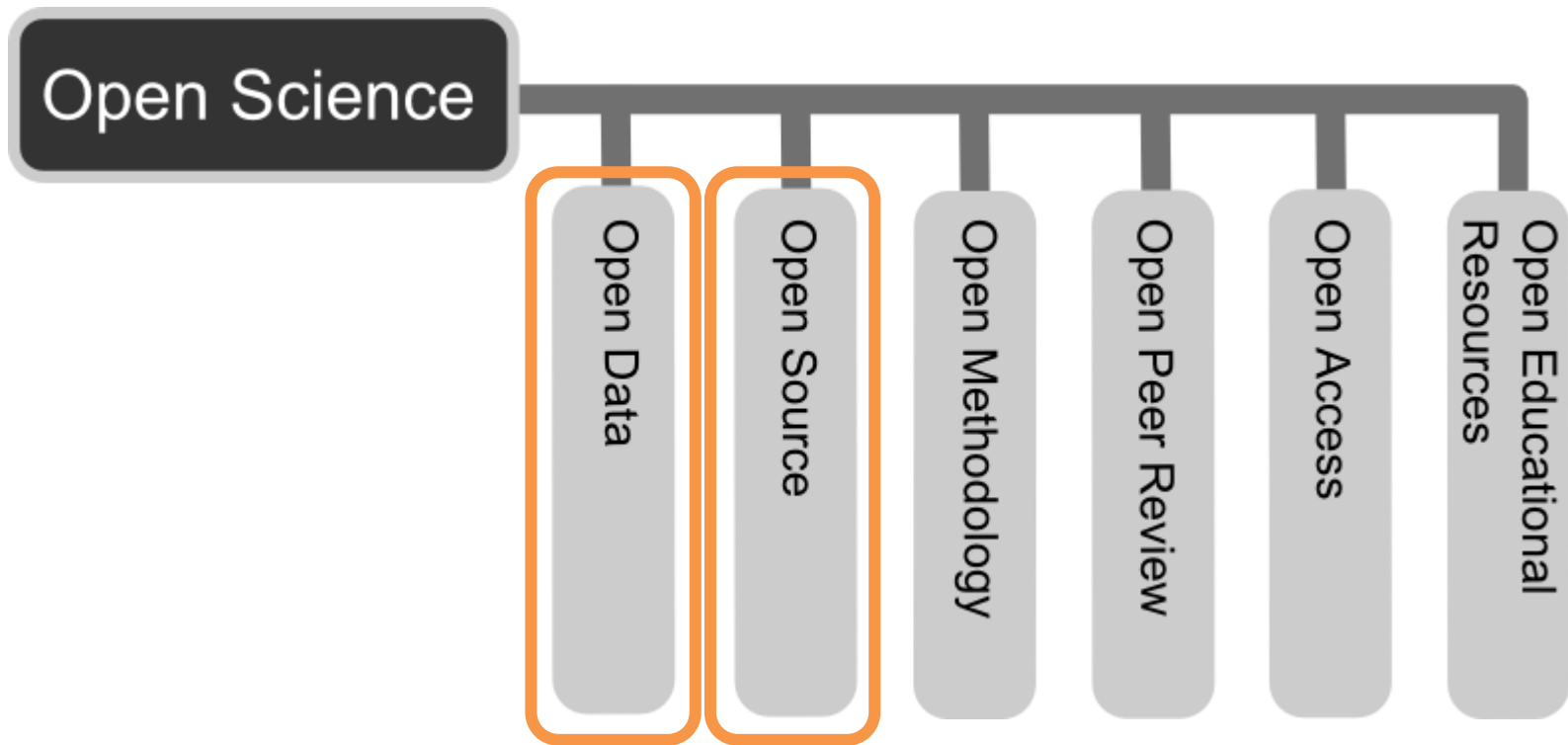
- **Green road**: deposit version in an openly accessible repository
- **Gold road**: publish in an open access journal with article processing charges (APC)
- **Hybrid OA**: subscription-based journal with option to buy out individual articles in open access
- **Bronze OA**: free to read on the publisher page, but without a license (e.g. editorials, delayed)
- **Licenses with OA-component** (e.g. Alliance licences, DEAL)
- **Diamond OA**: publish in an open access journal by a non-profit institution without APCs, or which is supported by a consortia (SCOAP3, OLH, Language Science Press, journals run by libraries, ...)

Publication and other research outputs

- Publication is the last step in research
- A lot of effort in research before the publication, e.g. for
 - Data collection
 - Documentation (e.g. lab notebooks)
 - Analyses
 - Software tools



Open Science

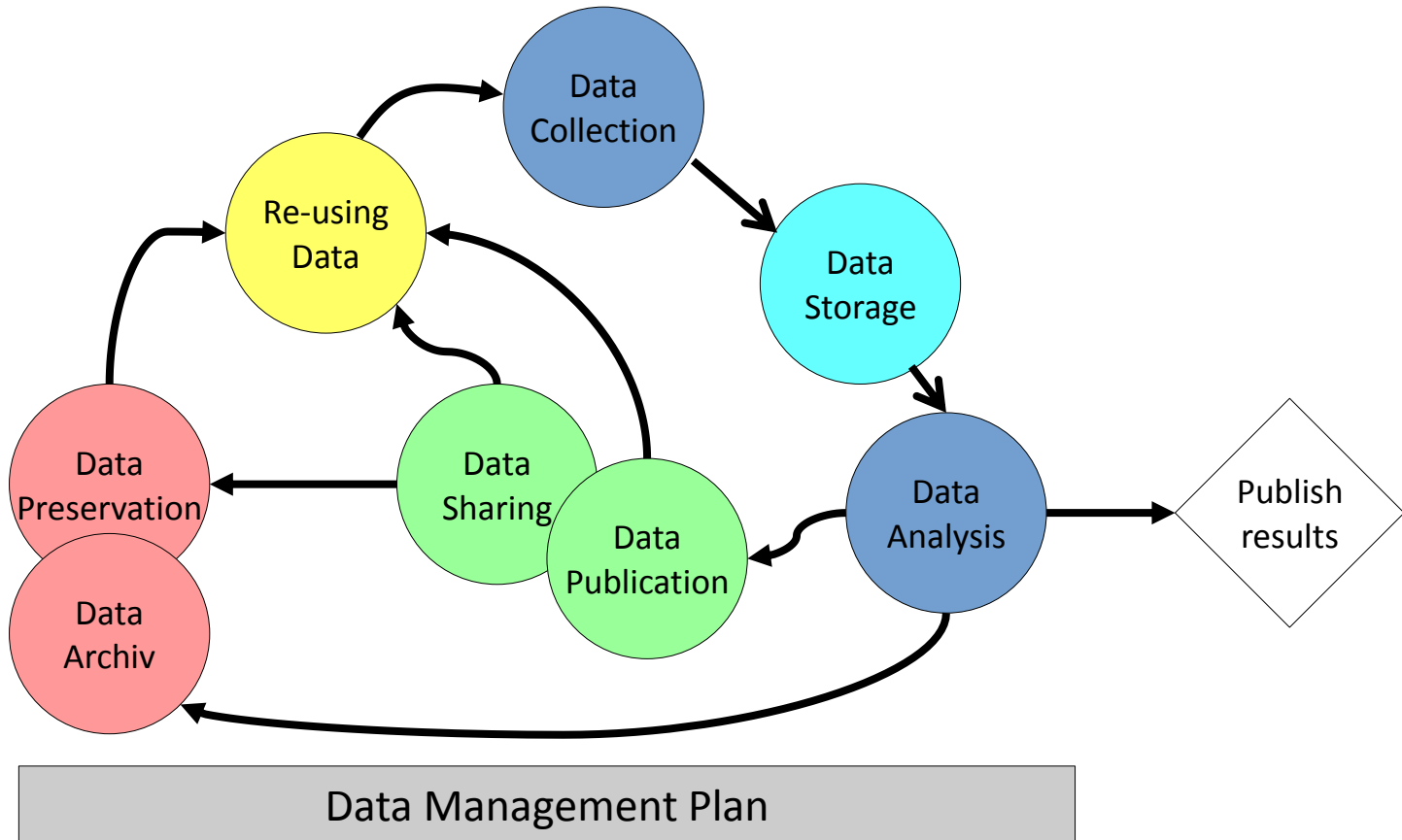


Open Data

“Open data is data
that anyone can access, use or share.” [1]

[1] The Open Data Institute: <https://theodi.org/what-is-open-data>

Data Management Plan



What data will be collected, processed and/or generated?

Which **methodology** and **standards** will be applied?

Will data be shared, made open access?

How will data be **curated** and **preserved**?

Open Source, Free Software

- Free to run software for any purpose
- Free to study how the software works and change it
- Free to share (redistribute) your changes/improvements again



```
84      /* Select the used URL */
85      $URL = $publication->getUrl();
86      if ((!$URL || ($URL == "")) && $settings['selecturl'] == 0)
87          $URL = $publication->getUrlUbmaExtern();
88      if ((!$URL || ($URL == "")) && in_array($settings['selecturl']
89          if ($publication->getDoi())
90              $URL = "https://doi.org/" . $publication->getDoi();
91          else
92              $URL = $publication->getUrlOfficial();
93      }
94      if ((!$URL || ($URL == "")) && $settings['selecturl'] == 3)
95          $URL = $publication->getUrlUbmaExtern();
96      if (!$URL || ($URL == ""))
97          $URL = $this->settingsManager->configValue('extMgn/eprintid
98      $publication->setUsedLinkUrl($URL);
99
100
101      return $publication;
102  }
```

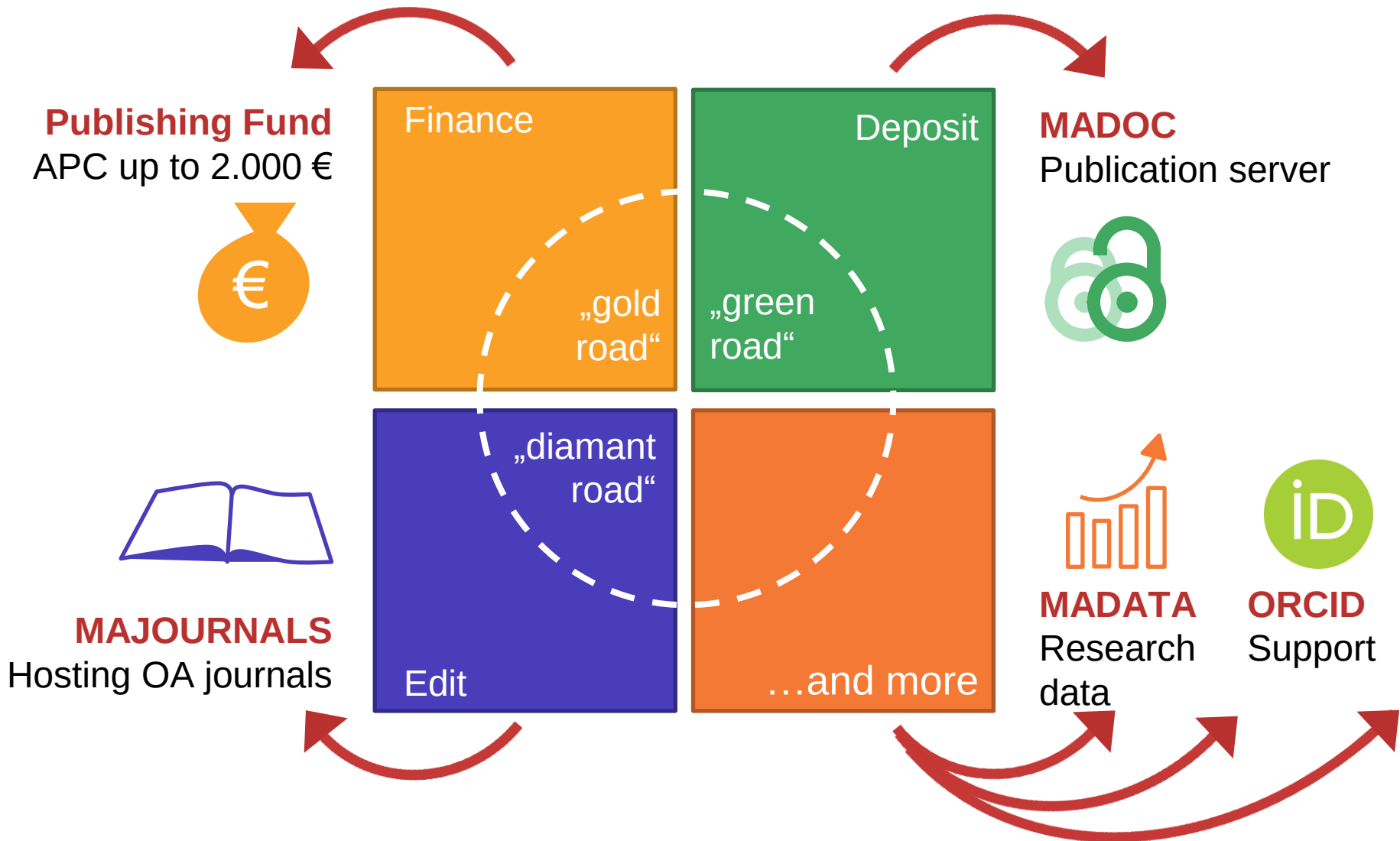
Open Science = Science?



**OPEN SCIENCE:
JUST
SCIENCE
DONE RIGHT**

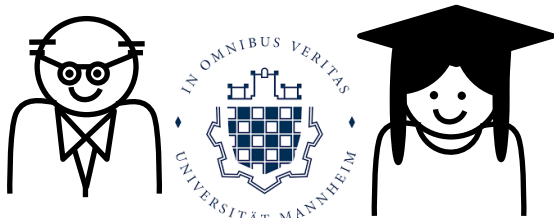
**OPEN ACCESS, OPEN DATA
AND HOW WE SUPPORT YOU**

Publishing Services by the Library

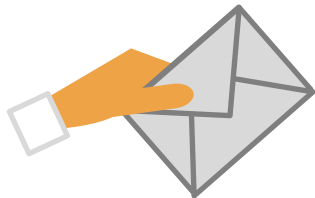


Open Access Publishing Fund

Who?



employees and doctoral
candidates at the
University of Mannheim



submitting or
corresponding author

Where?



pure open access journals



with quality control



no hybrid OA journals

How expensive?



APC up to 2.000 €

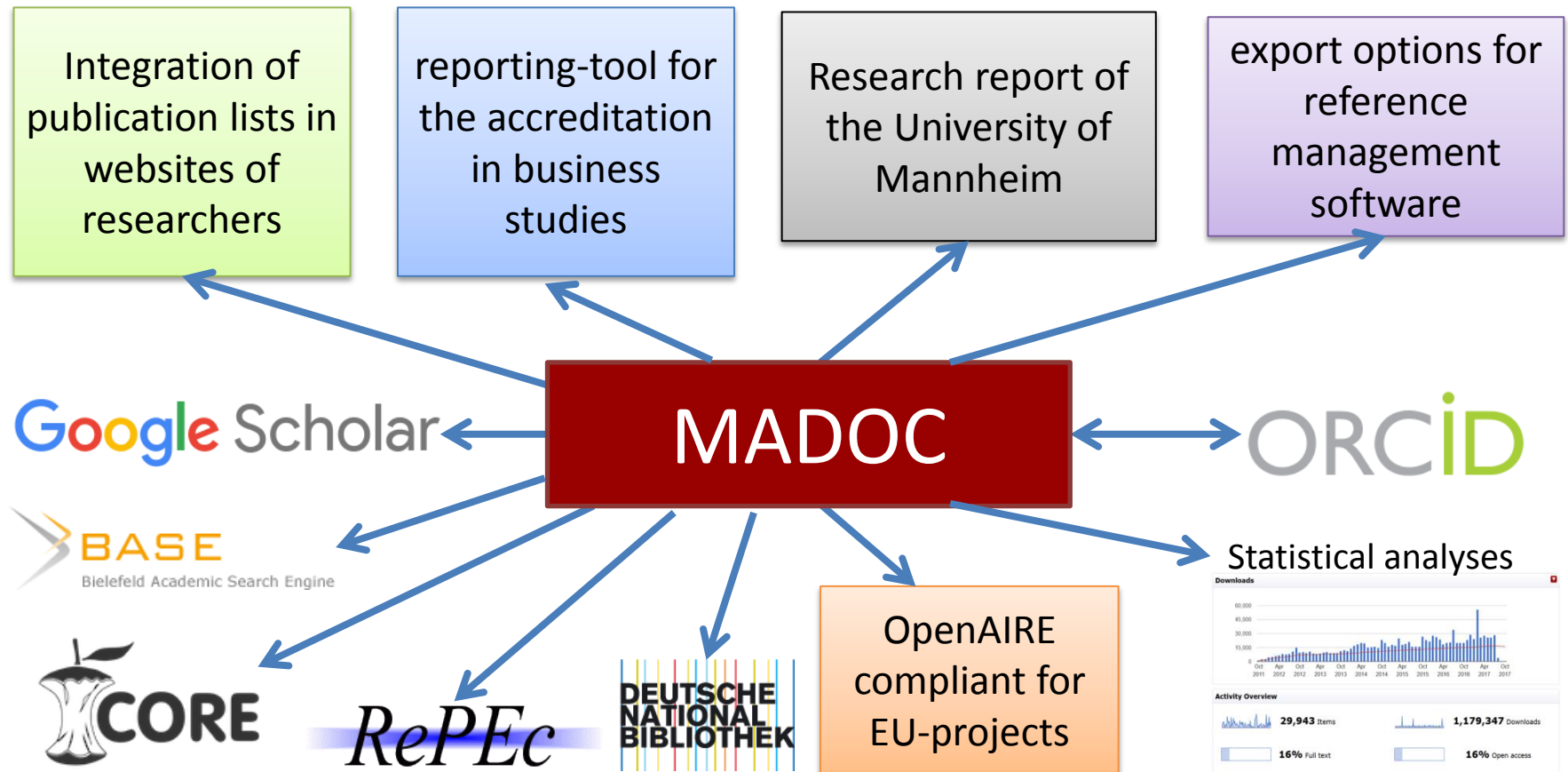


invoice cannot
be split



MADOC: enter once, use multiple times

1. Documentation (who published what?)



2. Publish first-hand (e.g. electronic dissertations) or depositing PDFs for closed access articles

MAJOURNALS: Hosting OA journals

- Helping to set up a new OA journal
- Designing journal website and then make the configuration
- Introduction to the system, support afterwards
- Metadata, long term accessibility, DOI, ISSN, ...

The screenshot displays the OJS (Open Journal System) interface. The top navigation bar includes links for 'Metadaten', 'Redaktionsverlauf', and 'Einreichungsbibliothek'. The left sidebar contains a menu with options like 'Einreichungen', 'Ausgaben', 'Einstellungen', 'Benutzer/innen & Rollen', and 'Werkzeuge'. The main content area shows the submission process for a journal titled 'Jahrbuch für Naturgeschichte' by Christian Hänger. The 'Gutachten' (Reviews) tab is active, showing a 'Durchgang 1' (Round 1) status. A 'Neue Begutachtungsrunde' (New Review Round) button is visible. Below this, a 'Review Files' section lists a file 'Autor/in, Bücher ausstellen.pdf' with a status of '15-1'. A table of reviewers is shown, with columns for reviewer names, status, and due dates. The reviewers listed are Stefan Weil, Max Mustermann, and Irene Schumm. The status for Stefan Weil and Max Mustermann is 'Verspätet' (Delayed), while Irene Schumm's status is 'Anfrage gesendet' (Request sent). The right sidebar contains buttons for 'Überarbeitung anfordern' (Request revision), 'Einreichung annehmen' (Accept submission), and 'Beitrag ablehnen' (Reject contribution), along with a list of participants and roles.

Review Files

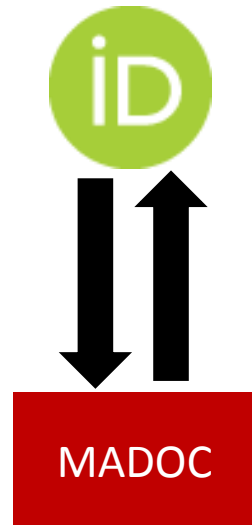
File Name	Status
Autor/in, Bücher ausstellen.pdf	15-1

Gutachter/innen

Reviewer	Status	Due Date
Stefan Weil	Verspätet	Antwort fällig: 2017-11-17
Max Mustermann	Verspätet	Gutachten fällig: 2017-11-25
Irene Schumm	Anfrage gesendet	Antwort fällig: 2017-12-29

ORCID: distinguish yourself

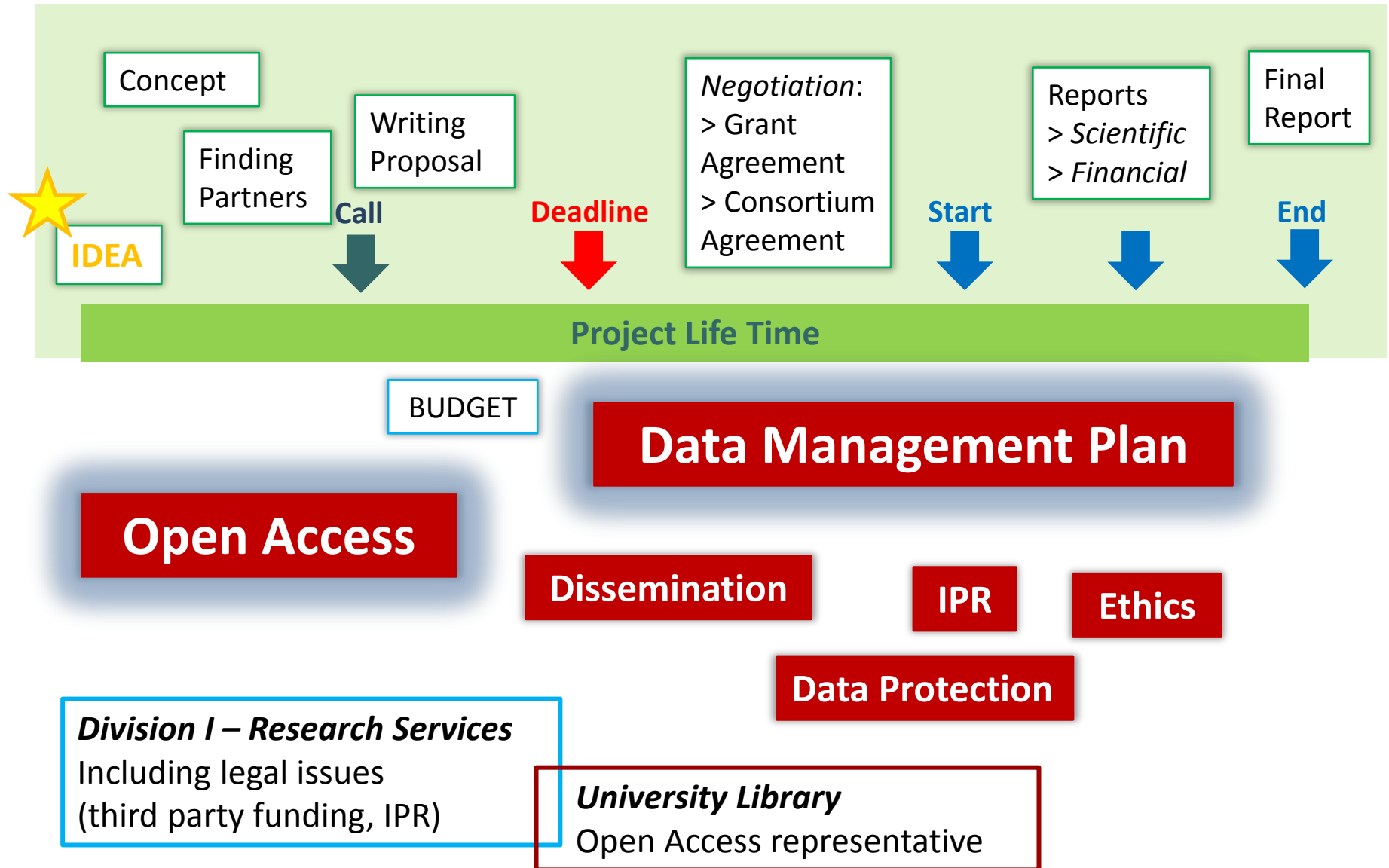
- Digital, persistent identifier for researchers
 - Name variantes
 - Distinguish from other researchers with the same name
- Integration of ORCID in MADOC
 - Connect your MADOC account with your ORCID iD
 - „Signed“ affiliation statement in ORCID
 - Export your publications from MADOC to ORCID
 - Connect your ORCID record with other services
 - Import from ORCID to MADOC
- Launched just some days ago!



Implement your research idea



More things to think off



Data Management Plan



Requirements of the funders

Förderinstitution	BMBF	DFG	EU Horizon 2020	Wellcome Trust
Was archivieren?	Forschungsdaten	Forschungsdaten	Forschungsdaten, unveröffentlichte Daten, Programmierkodierung	Forschungsdaten
Wo archivieren?	Datenablage in Datenzentrum/ Repository	Repositoryn frei wählbar	Repositoryn frei wählbar	Keine Vorgaben, Datenablage aber gefordert

Data Management Plan

- Support by providing templates
 - [DMP-Template for Horizon 2020](#)
 - [DMP-Template for DFG](#)
 - [DMP-Template for BMBF](#)
- **DMPOnline**
 - adjusted for EU standards
 - Questionary with on-spot help and specific features
 - Use online: <https://dmponline.dcc.ac.uk/>
- Individual support by contacting us



Credit goes to
colleagues from
HU Berlin



Contact Details

- We support you!



Thank you for your attention!

Dr. Ursula Schlichter,
EU-liaison officer
Tel: (+49) 0621/181-1145
schlichter@verwaltung.uni-mannheim.de

Dr. Philipp Zumstein
Open Access representative
Tel: (+49) 0621/181-3006
philipp.zumstein@bib.uni-mannheim.de

Photo Credits

- Slide 1+2+5: <https://pixabay.com/de/nachrichten-zeitung-globus-1074604/> (CC0)
- Slide 3: <https://www.scienceeurope.org/coalition-s/>
- Slide 4: <https://pixabay.com/de/zertifikat-papier-pergament-rollen-154169/> (CC0)
- Slide 10: Why Open Access? / Danny Kingsely & Sarah Brown. CC-BY 4.0
<https://aoasg.org.au/resources/benefits-of-open-access/>
- Slide 13: <https://pixabay.com/de/eisberg-eisburg-eis-gletscher-2070977/>
- Slide 19: Sticker open science: just science done right / Melanie Imming & Jon Tennan. 2018. <https://zenodo.org/record/1285575>
- Slide 23: <https://pixabay.com/de/bargeld-finanzen-finanz-gr%C3%BCn-ideen-1296584/> (CC0), <https://pixabay.com/de/peer-review-symbol-peer-review-2888794/> (CC0)
- Several logos and screenshots