Elevating and institutionalizing Open Science at the University of Mannheim - Setup, Evaluation, and Impact

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Open Science Office

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Elevating Open Science, not just Open Access and RDM

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Hypothesis Generation

Pre-registration

Registered Reports

Research Design

Open Materials

Reproducible Code

Sharing

Citizen Science, Science Communication, Knowledge Exchange

Publishing

Open Access

Reproducible Manuscripts

Data (Collection and Analysis)

FAIR Data, Open Data, Open Code

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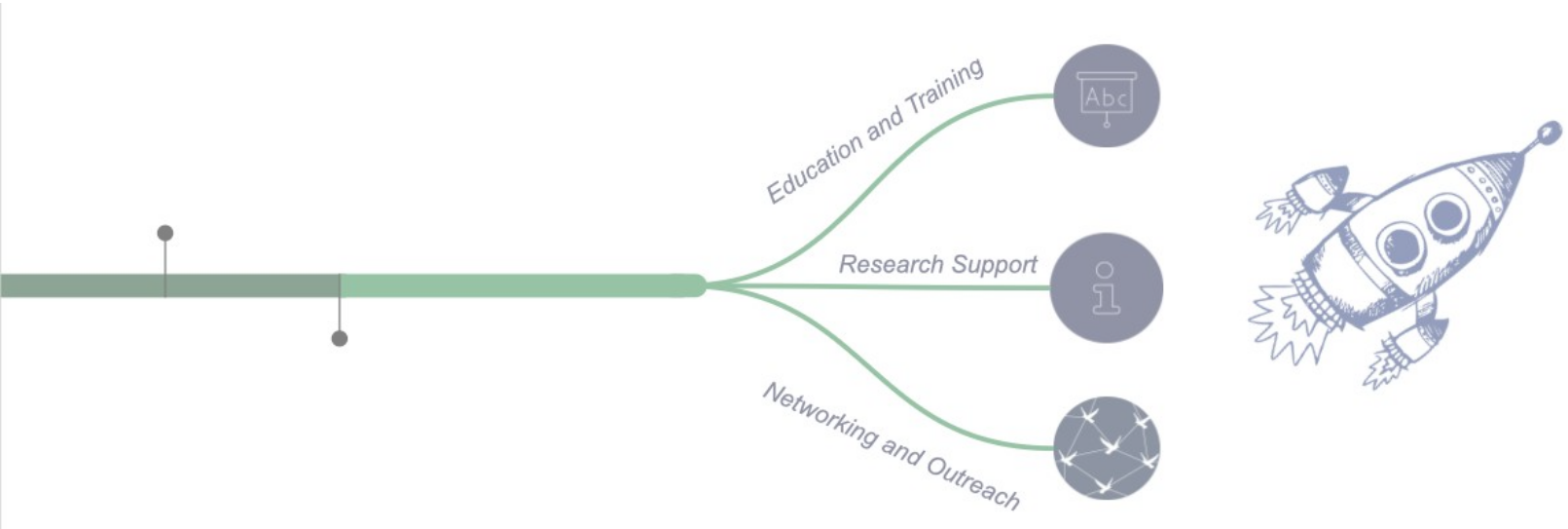

Timeline: Setting up the Open Science Office

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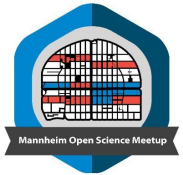
2019

Open Access event turned into Open Science event

2020

Mannheim Open Science Meetup



2021

Open Science Office launched and funded for 3-years

Evaluation Dimensions of the Open Science Office Approved

2021-2023

Delivering and Evaluating the Open Science Office

Timeline: Setting up Open Science Office

Evaluation and recommendation (Open Science Council)

Late 2023

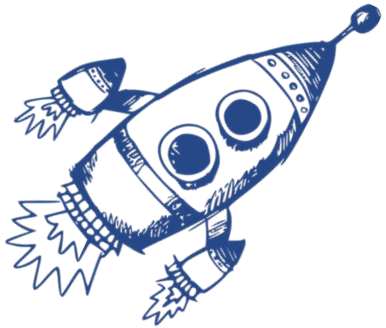
2024

Open Science Office made permanent (President's Office)

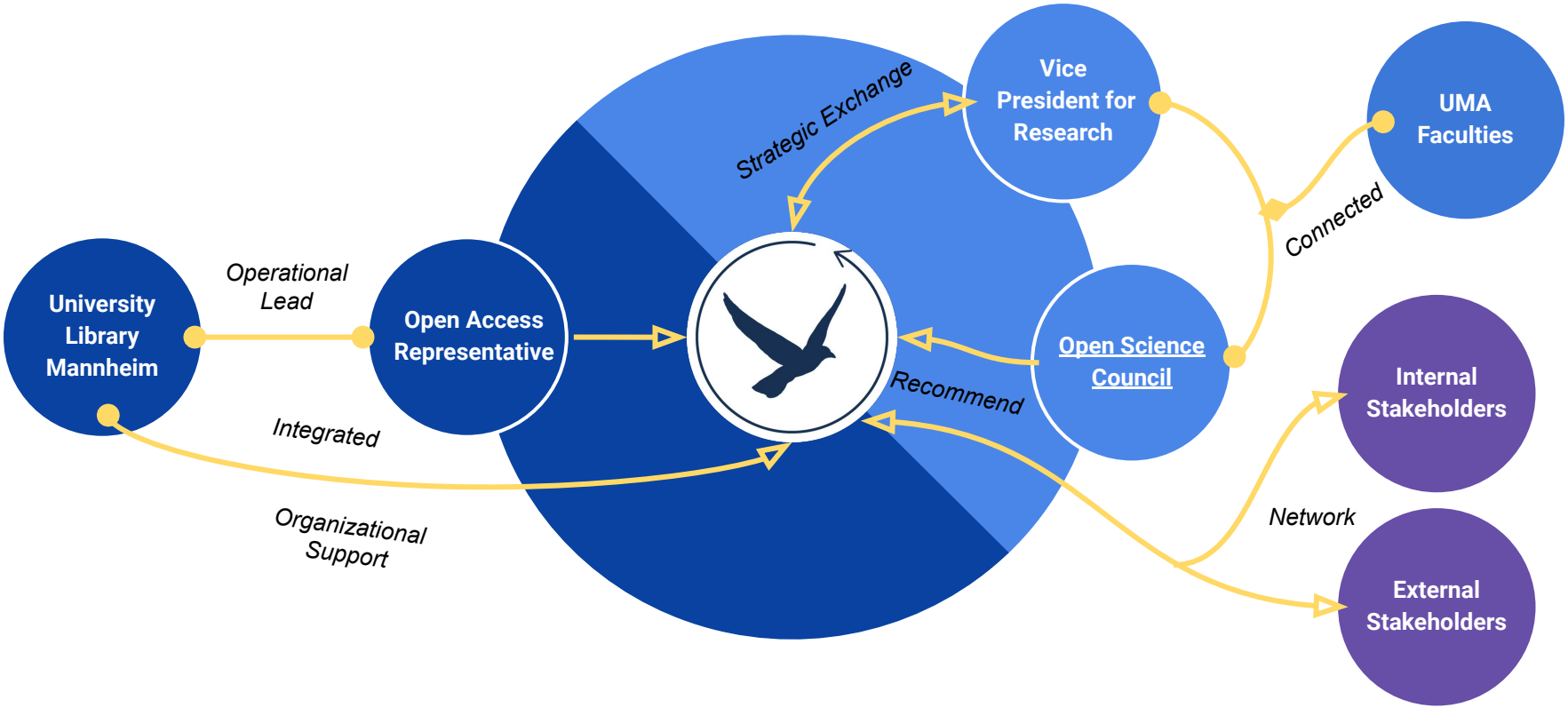
Education and Training

Research Support

Networking and Outreach



Structure of the Open Science Office



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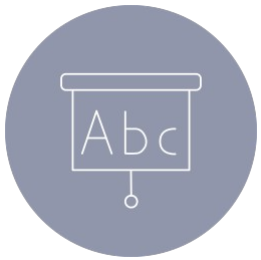

Delivering the Open Science Office

Delivering the Open Science Office

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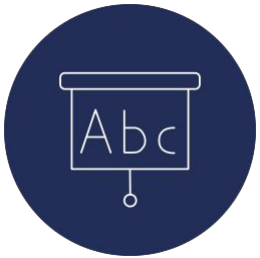
Training and Educating Researchers:



Provides and organises:

- Open Science seminars and workshops
- (an) Open Science Summer School
- Lectures on faculties' courses

Open Access, Open Data and Open Research Practices

Preregistrations and Registered Reports

Technical Workflows for Reproducibility (e.g., R Markdown and Docker)

Citizen Science

Delivering the Open Science Office

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Research Support and Services:

Open Science consultations (e.g., for **DFG**, **BW-Stiftung**, or **EU** funding applications)

Open Science Grants (up to 6,500 EURs).

funded by
Open Science Office

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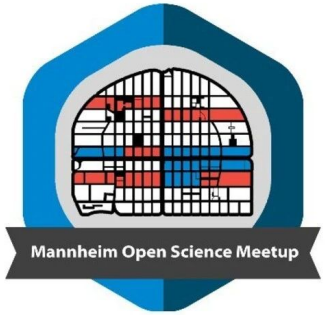
Networking and Outreach:

The Open Science Office also works internally and externally with stakeholders:



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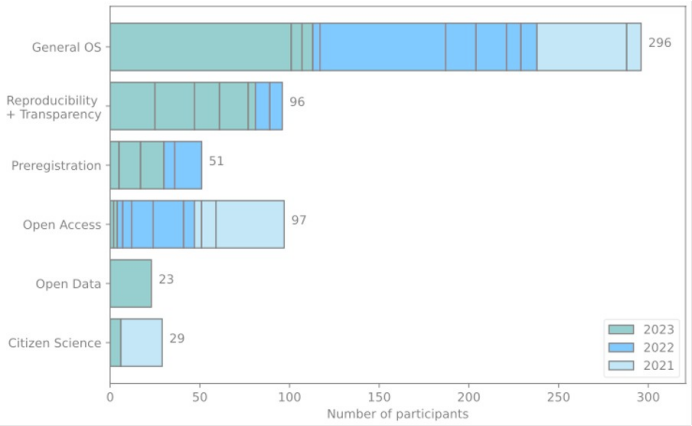
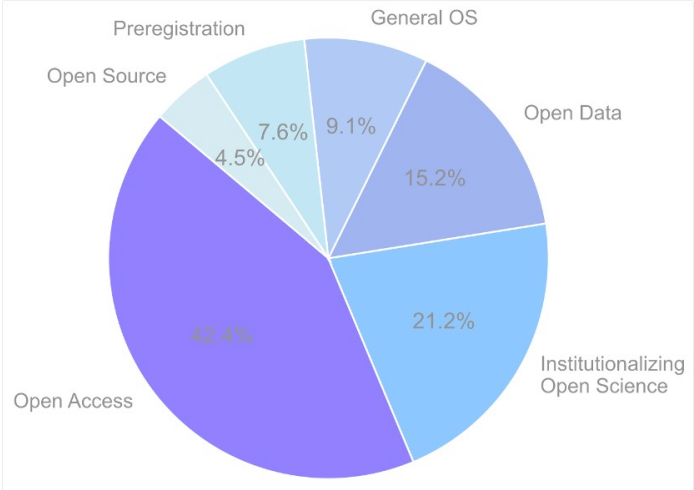




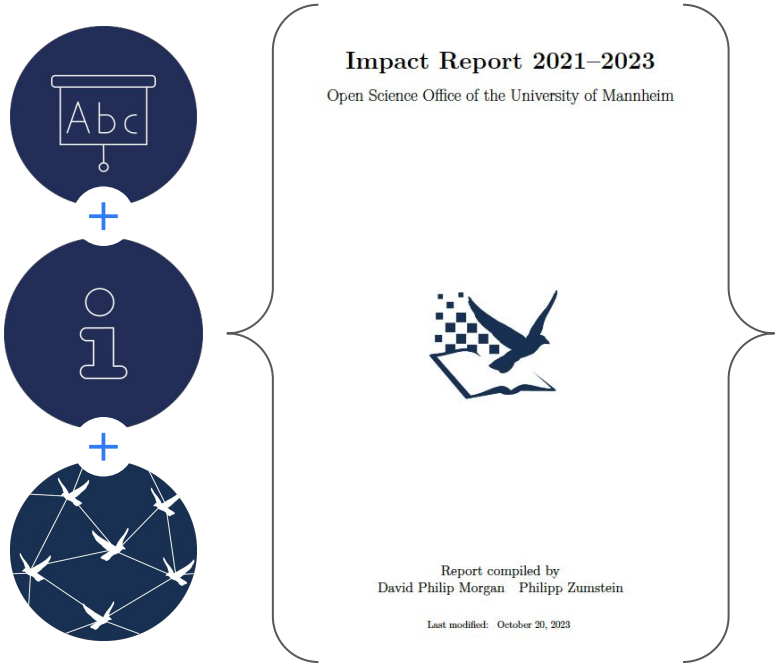
Evaluating and Assessing the Impact of the Open Science Office

Impact Report 2021- 2023

Self-evaluation of the Open Science Office:

- Quantitative Outcomes (e.g., no. hours training, deliverables from Open Science Grants)
- Qualitative Outcomes (e.g., case studies and feedback)

> *"This paper would not have existed without this programme. This is a unique opportunity, especially for doctoral students, to carry out clean and replicable research without being financially dependent on their supervisors"* - Open Science Grant 2021 Awardee



Morgan, D. P., & Zumstein, P. (2024). Impact Report 2021–2023: Open Science Office of the University of Mannheim. Zenodo. https://doi.org/10.5281/zenodo.10671452

Summary: Impact Report 2021- 2023

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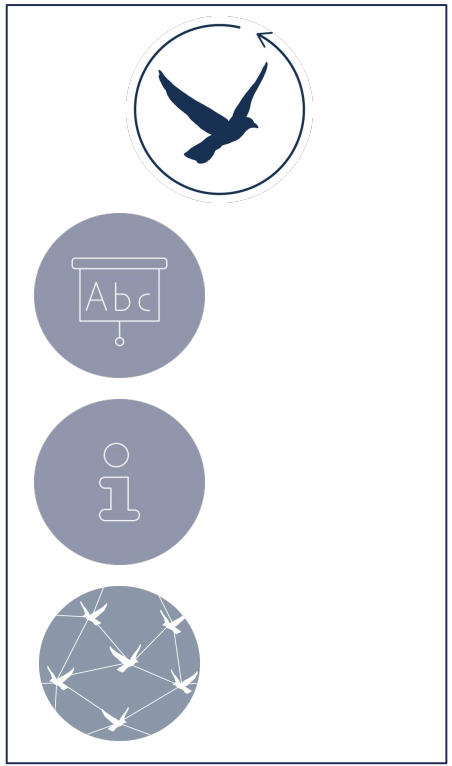

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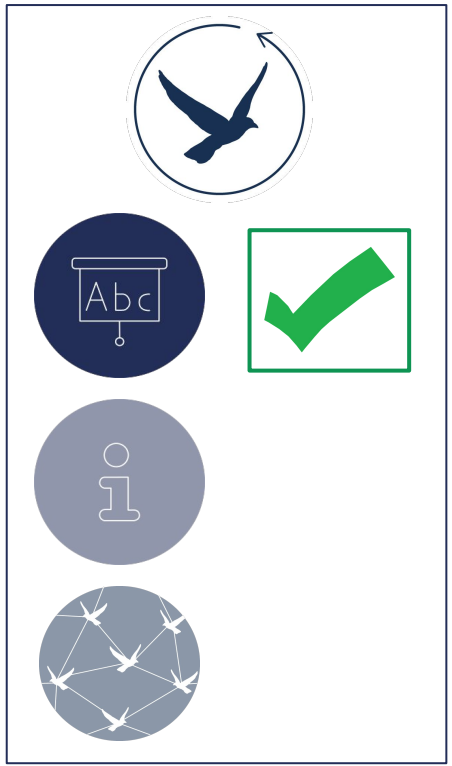
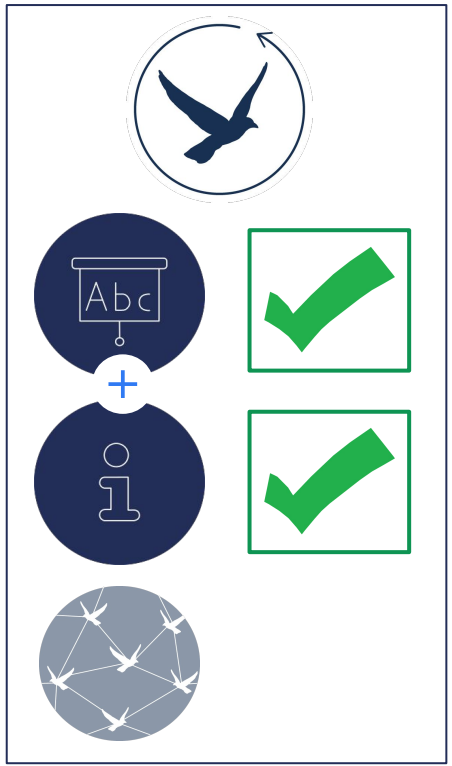


The Open Science Office has provided over 70 hours of training and educational opportunities to almost 600 individuals since 2021.

Summary: Impact Report 2021- 2023



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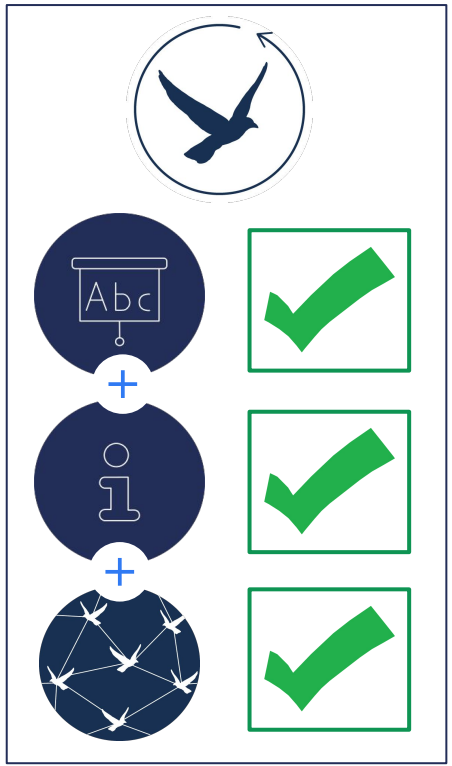
Beyond training and education, the Open Science Office has provided over 60 Open Science consultations since 2022. 12 projects have been awarded Open Science Grants and of the 6 that have been completed, over 100 deliverables have been produced.

Summary: Impact Report 2021- 2023



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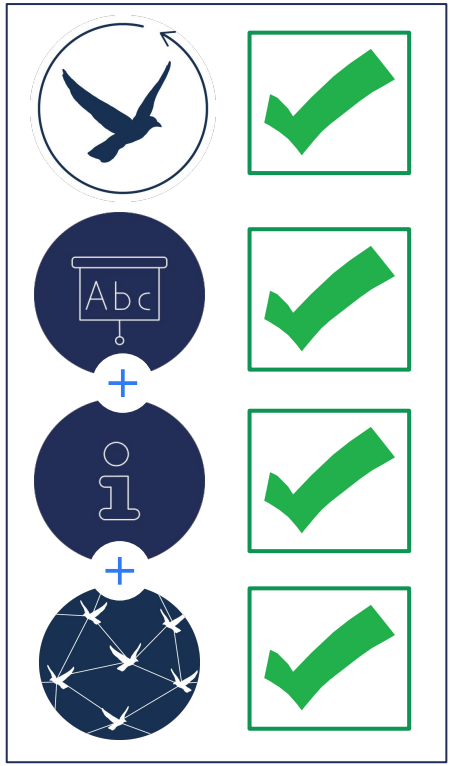
The university's approach has been presented at 6 conferences and 3 publications have been written while simultaneously working with administrative and research departments within the university.

Summary: Impact Report 2021- 2023



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Overall, the Open Science Office achieved *impact in all evaluation dimensions*. It implements and advances the strategic goals of the University of Mannheim regarding Open Science.

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Lessons Learned from the University of Mannheim

The library as a Hub for Open Science

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Research Data Management

Open Access Publishing

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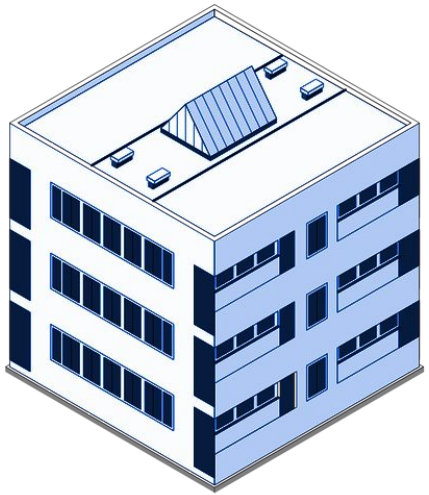

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Well Connected

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Helpful and diverse Colleagues

Service Oriented

Other Lessons Learned

Measuring the Impact of an Open Science Office is difficult:

- Comparison between researchers who did not have access to the Open Science Office and those who did may be needed to measure *impact*.
- Simple quantitative metrics (e.g. number of pre-registrations) may ignore the qualitative aspects (i.e. how good are those pre-registrations)
- Agreeing on evaluation dimensions ahead of time is therefore fundamental so that expectations are clear

Navigating University Leadership Structures:

- Advocating constantly on different levels (without preaching)
- Convince with a spectrum of arguments
- Prepared for challenging and recurring questions (change management)
- Understand the decision processes in your university
- Have strong support from library/university leadership

Thank you for Listening. Questions?

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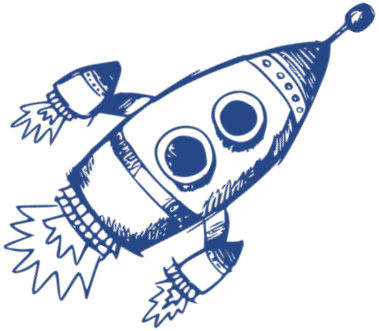

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