

Realizing the Open Science Movement:

Two pathfinding projects at the KIT-Library

Structure

- What is the Open Science Movement?
- What are the two projects at KIT Library
 - Diamond Thinking
 - ERRED
- What is our goal?
- How it supports the ?

What is Open Science?

- Making scientific results transparent and accessible
- Making results easily reviewable
- Inclusive and open to participation
- Increases potential for cooperation

Open Science

Open Data

Open Source

Open Methodology

Open Peer Review

Open Access

Open Educational
Resources

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https://commons.wikimedia.org/wiki/File:Open_Science_-_Prinzipien.png

Open Science as a stepstone for

eua
EUROPEAN
UNIVERSITY
ASSOCIATION

Universities without walls A vision for 2030

February 2021

Open, Transformative
and Transnational

Sustainable, Diverse
and Engaged

Strong, Autonomous
and Accountable

Prerequisite Actions

- Reformation in Academic Careers, and assessment
- Leadership and selfregulating institutions
- Promoting Interdisciplinarity
- Strengthening civic engagement

Project 1: „Diamond Thinking“

- BMBF funded Projekt (09.2023 – 08.2025)
- Diamond Thinking Projekt:
 - UB Stuttgart: OCToPUS (Open Science Tools and Services for Publishing University of Stuttgart)
 - KIT Scientific Publishing: DONAU4KIT (Diamond Open Access Journals)
- KIT Scientific Publication expands its service portfolio: Publishing OA Journals at KIT



KSP Diamond Thinking as a **Capacity Center**

- Helping Scientific Societies at KIT in starting journal.
 - New Journals
 - Flipping journals
- Keeping publishing costs low

Co-publication Partners

Customized Publishing Services

Shared „Know-how“s between universities

Open Source Softwares



Sustainable use of physical and personnel infrastructure from KSP

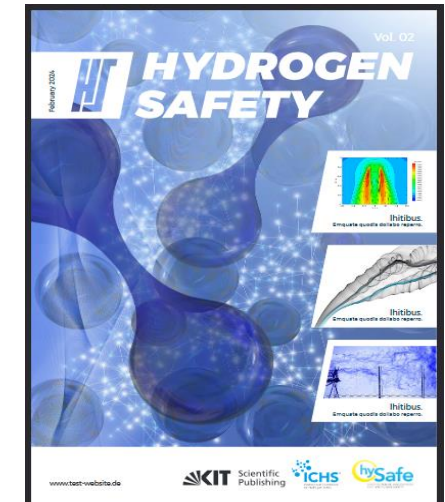
1) Utilizing existing network

- Co-publishing Partner Ju[Ubiquity Press
- Sharing know-how with other uni

2) Involvement of the entire KSP

- Grafics team
- Webproduction team
- Administrative Team
 - Customized Contracts
 - Customized Billing
- Legal services

- Our first Journal



First point of contact at their own uni

More voice to the scientists!

How to start
a new
journal

Where can I
get funding?

We should
have a
peer-review
platform

We want a
repository!

How can we
automatize
editorial work?

I want a
website for
our journal!

We want to
know the
metadata.

Can the
copyediting
be cheaper?

Open
infrastructure?

We are listening: Questionnaires!

To flip or not to flip: Toward the diamond way

Start a new journal: A self assessment

To flip or not to flip?

Find out whether you should transfer your existing journal to KIT Scientific Publishing.

[JOIN SURVEY](#)

Questionnaire | page 1

https://soasisurvey.ifs.kit.edu/journal_flipping/index.php?l=eng&q=...

KIT Scientific Publishing

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To flip or not to flip: Toward Diamond Open Access Journals

At KIT Library, we are offering a new publishing service for KIT members. This service is designed to assist editors of existing academic journals to transfer their journals to the academia-friendly university press. Take this test to determine if you should transfer your journal to university's own publisher, KIT Scientific Publishing.

1. Are you a member of one or more journal editorial boards?

☐ Yes.

☐ Not yet. (Please end this survey and contact us to learn about starting an academic journal [Diamond Thinking](#).)

2. Are any of these journals published as open-access or has a hybrid content?

☐ Yes.

☐ No, our journal is accessible via subscription only. (Contact us to convert your journal to an open-access publication.)

☐ I am not sure.

3. Is your journal published by a commercial publishing house?

☐ Yes.

☐ No, we publish with a university press.

☐ I am not sure.

☐ Other

Define what other type of publisher handles the journal.

4. Does the publisher make all editorial decisions, such as selecting editors?

☐ Yes.

☐ No, we have an independent editorial board.

☐ I am not sure.

5. As an editor, have you signed a contract limiting your involvement in the editorial work of other journals?

☐ Yes.

☐ No, I have not signed any such contracts. I am free to participate in editorial works of other journals.

☐ I am not sure.

1 of 2

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Start a new journal!

Take a self-assessment quiz to find out if you should start a new journal in open-access format.

[JOIN SURVEY](#)

Questionnaire | page 1

https://soasisurvey.ifs.kit.edu/journal_flipping/index.php?l=eng&q=...

KIT Scientific Publishing

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Reasons to Start a new Open Access scientific journal at KIT: A checklist

With the motto "Science in the hands of scientists", KIT Scientific Publishing supports the Open Science movement, encouraging scholars to participate in redesigning how sharing and publishing platforms should operate.

One of the primary channels for research publishing is academic journals. To encourage and assist the scientists in reclaiming a more financially sustainable model of sharing research, KIT's in-house publisher, KIT Scientific Publishing, will offer support to scholars at KIT and related scientific societies in establishing new journals. This initiative will also create opportunities for relatively less-popular disciplines to gain representation at international level.

We find these themes relevant for the scientific publishing. What's your view on the following issues?

1. "Science should be in the hands of scientists."

☐ I strongly agree.

☐ I disagree.

☐ I have more to say:

a. Scientists should take responsibility for shaping policies regarding the platforms for publication, review processes, and the sharing of research.

☐ I strongly agree.

☐ I disagree.

☐ I have more to say:

b. The scientific researches should be free to publish and free to read.

☐ I strongly agree.

☐ I disagree.

☐ I have more to say:

2. The role of commercial publishers in shaping science policies should be limited.

☐ I strongly agree.

☐ I disagree.

☐ I have more to say:

1 of 2

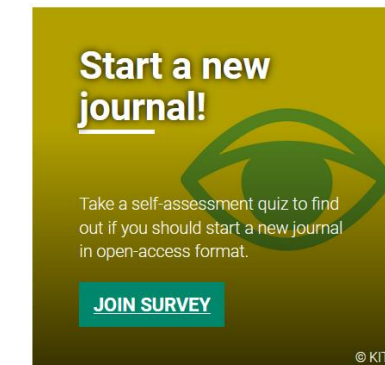
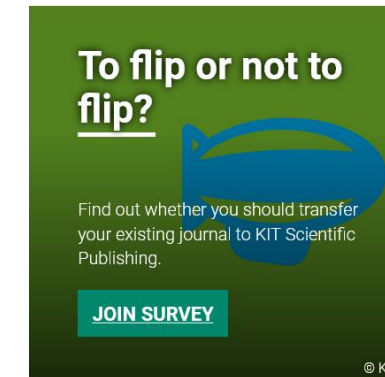
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Project website:



Why Questionnaires?

- Spreading information to the researchers:
 - A way to advertise our services
 - Spread awareness about current concerns of their peers in scientific community
 - Get the researchers to self-assess their position.
- Understanding what the researchers want:
 - Getting feedback on the relevance of our project.
 - Learning if something is missing



Science in the hands of Scientists

Journal policy in the hands of editors

Editorial boards made of scientists and researchers

Transparent editorial-board-membership policy

Tailor-made publishing services

Access to open infrastructure



www.kit.edu

Inexpensive research publishing

Open-access publishing

Support from university library

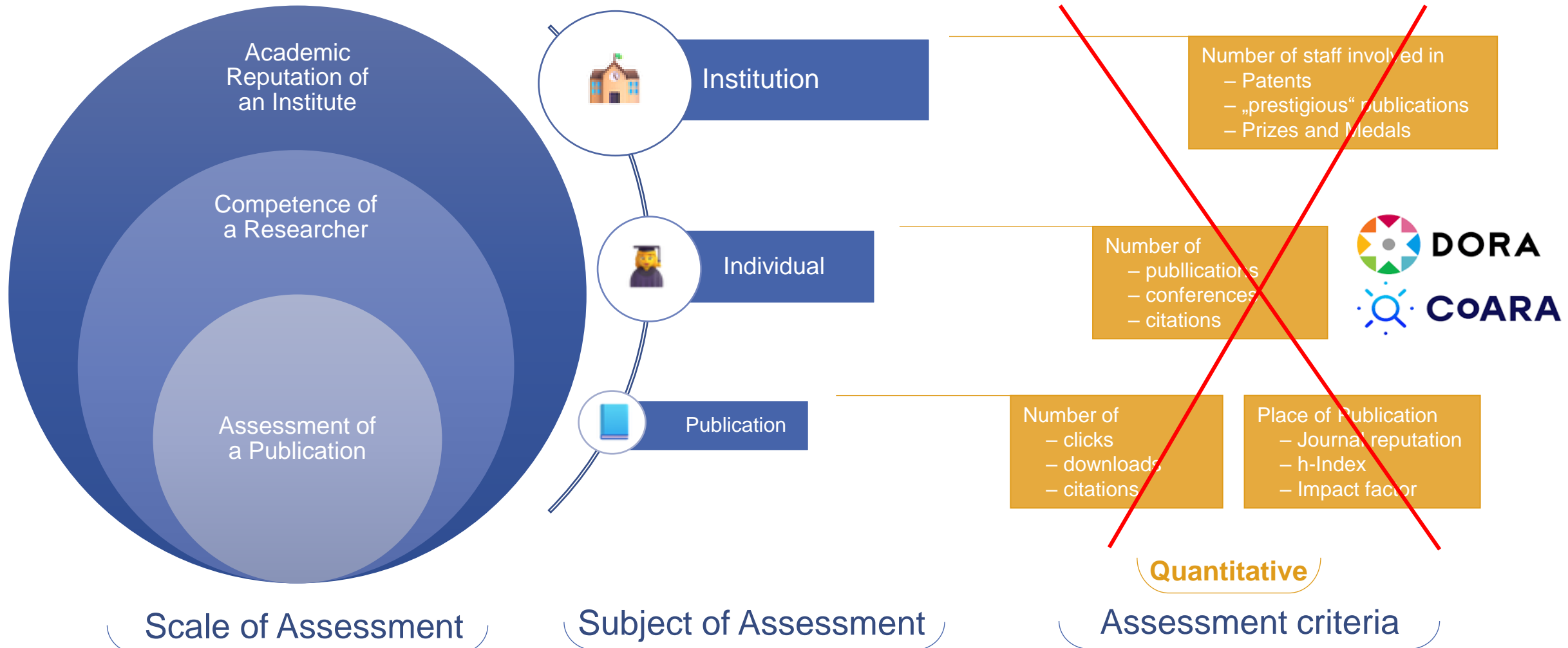
Project 2: ERRED

- ERRED = Die **E**ntwicklung eines **R**eferenzmodells zum **R**eporting in wissenschaftlichen **E**inrichtungen anhand von **D**ORA
- „The development of a reference model for reporting in scientific institutions based on DORA”

Research question and objective

- Question: How can research performance at KIT be evaluated transparently and comprehensibly?
- Objective: To develop a new model of performance measurement (for **individuals** and **institutions**).
- Do not use journal-based and quantitative metrics for performance measurement (such as the journal impact factor or the h-index).
- Research performance should be measured qualitatively and a variety of indicators should be used (e.g. open science factors, alternative forms of publication, collaborations, social engagement, visibility, transfer, sustainability, etc.).

Research Assessment at different levels



Alternative?

Dimension

- Possible indicators of direct engagement in research activity as well as its promotion.

Attributes

- Detailed parameters that further qualify the „dimensions“. These attributes indicate different stages of levels of advancement to a final stage of „maturity“.

Maturity Model

- It is a framework for assessing continuous improvement or process of development. Each „attribute“ within a „dimension“ can be set to measure the identifiable „maturity stage“ on a scale from 0 onward.

Examples

- OA Publication
- Mentoring
- Cooperation
- Interdisciplinarity
- Sustainability

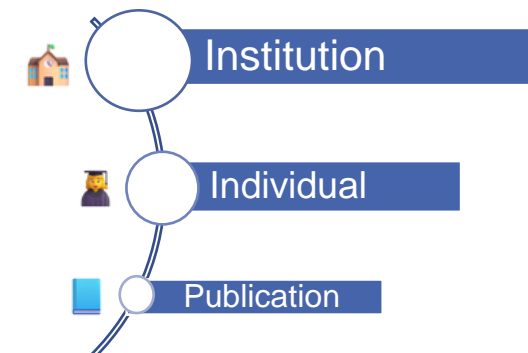
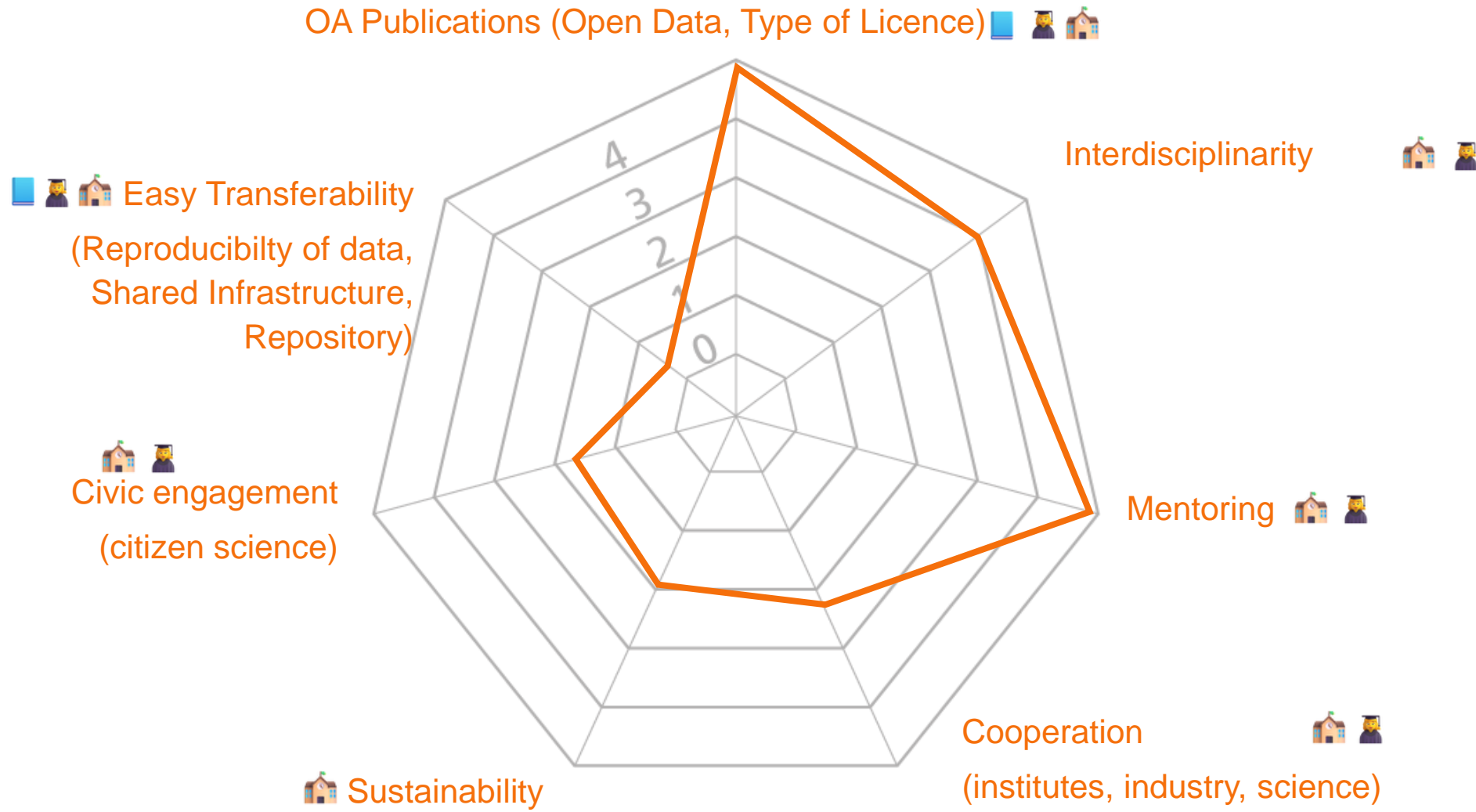
Attributes: Type of Open Access

Scale 0: Closed Access
Scale 1: OA in hybrid form
Scale 2: Green Open Access
Scale 3: Gold Open Access
Scale 4: Diamond Open Access

Attributes: Type of Licence

Scale 0: No Licence
Scale 1: CC-BY-NC-ND / CC-BY-ND
Scale 2: CC-BY-NC-SA / CC-BY-NC
Scale 3: CC-BY-SA
Scale 4: CC-BY / CC-0/ 4.0

Dimensions charted on a Network Diagram: An example of maturity model assessment



How the two projects facilitate the OS movement

- **Autonomy**
 - Institutions
 - Subjective assesement of Policies
 - Independent acknowledgements
 - Researchers
 - Decision making power in the hands of scientists
 - Journal policies etc decided by scientists
- **Alternate method of assessing scientific engagement**
 - Research-based assessment
 - Engagement-based assessment
 - And with DOAJ Providing a practical step away from quantitative measurement
- **Sustainability**
 - inter-department engagement of employees
 - Know-how share between institutes.

This conference and Beyond

Comments, criticisms and questions are welcome:

diamond@ksp.kit.edu

Diamond Thinking [website](#):



bibliometrie@bibliothek.kit.edu

ERRED [website](#):

