Objective 3 of the Berlin University Alliance: Advancing Research Quality and Value

Presentation for the Webinars ‚Open Call for Research Quality and Open Science'
14.12.2020 and 12.01.2021

Berlin University Alliance

Presentation of Objective 3 „Advancing Research Quality and Value":

Advancing Research Quality and Value = *institutional aim* **und** *research field* to reflect on (shared) values and research cultures and to create more transparency about them.

Two types of activities:

- *Exchange Platform* across disciplines and organizations *to discuss* research quality, its "measurability" and adequate methods and indicators as well as *to initiate* exchange of experiences and learning processes
- *Experiments and their evaluation* to develop and implement specific and participative formats to understand, assess and - where needed - increase the quality of research

Objective 3: Advancing Research Quality & Value

Research on research quality and open science, implementation of experimental measures and standards and monitoring in order to facilitate a value-based research governance

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Advancing Research Quality and Value

- 2 junior research groups and 1 research group with one professorship for research on research quality and open science
- Project funding for innovative ideas to implement measures of research quality assurance and open science
- New Center for Open and Responsible Research (CORe) bundels expertise and develops measures and guidelines
- Initiative OpenX, to create incentives for openness, transparency and accessibility at the institutions of the Berlin University Alliance

Objective 3 is represented by:

Steering Committee-Members:

    Prof. Beatrice Gründler (FU)

    Prof. Martin Reinhart (HU)

    Prof. Manfred Hauswirth (TU)

    Prof. Ulrich Dirnagl (Charité)

Administrative Unit / CORe:

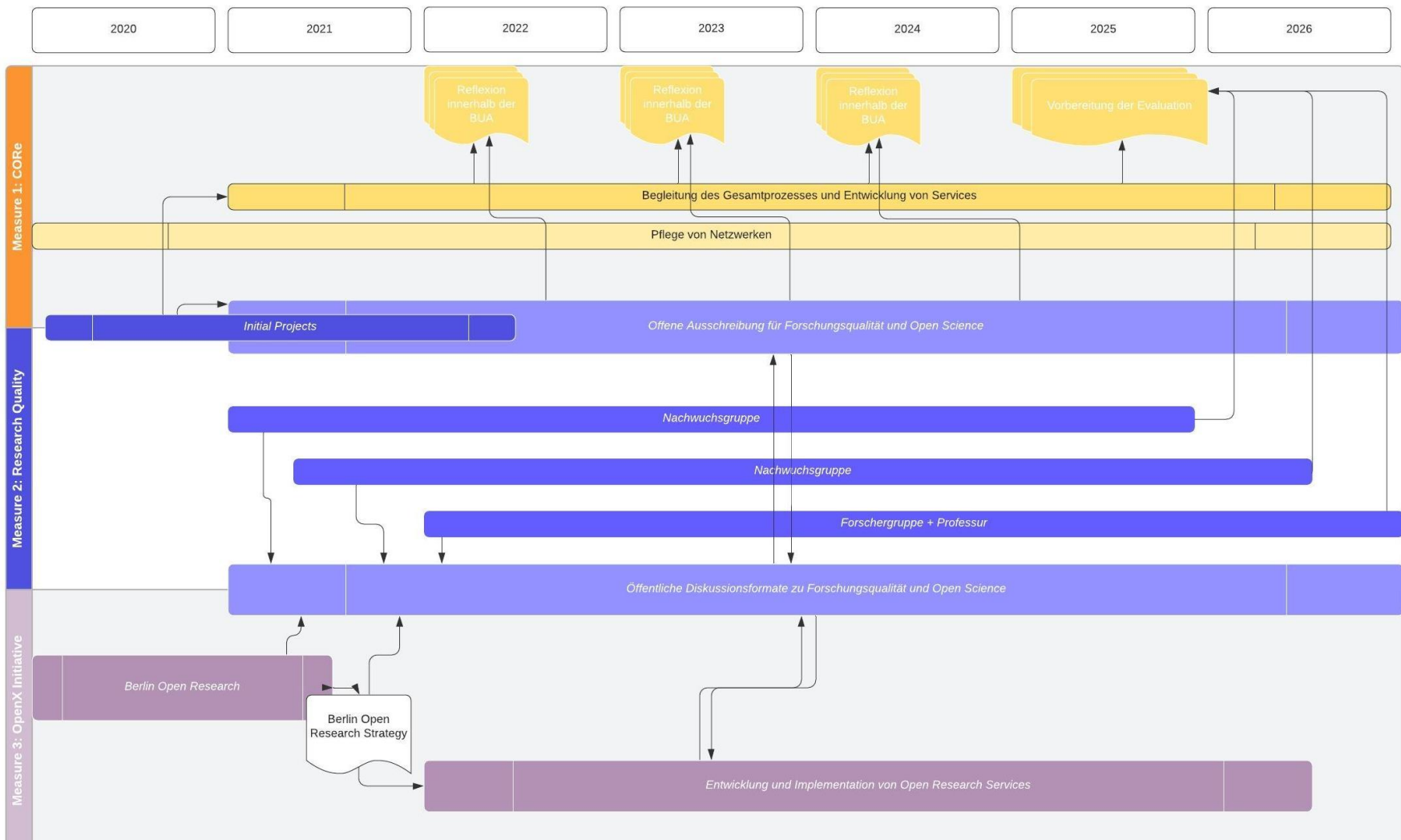   Dr. Sybille Hinze, Leiterin CORe – *Center for Open and Responsible Research*

    Nele Albrecht, Scientific Coordinator for *Reserach Quality*

    Dr. Stefan Skupien, Scientific Coordinator for *Open Science*

Berlin University Alliance

Recent activities of O3 (selection)

- Training of Early Career Researchers:
  - BerlinIOxford Summerschool on Open Research (Sept. 2020)
  - Training Early Career Scientists to Use Meta-Research to Improve Science : A Student Guided "Learn by Doing Approach".
- Scientific Exchange and Networking:
  - REWARD I EQUATOR Conference" Sharing Strategies for Research Improvement" (Feb. 2020)
  - Colloquium (since September 2020)
  - Lecture series (starting in 2021)
  - Berlin Open Research-Initiative to develop an Open Science Policy of the federal state of Berlin
    - Including Berlin OpenX Initiative (M3.2)
  - Symposium „Quality in Research" (expected in Fall 2021)
- Infrastructures to provide relevant monitoring data on research activities:
  - Research Map Berlin (longterm monitoring of Berlin's research area and its development)
  - Indicators for performance evaluation - Dimensions Analytics
  - Support to introduce a Quality Management System (QMS) - PREMIER – QMS System for biomedical research

Maßnahmen und Aktivitäten bis 2026

| 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |

Measure 1: CORe

Reflexion innerhalb der BUA

Reflexion innerhalb der BUA

Reflexion innerhalb der BUA

Vorbereitung der Evaluation

Begleitung des Gesamtprozesses und Entwicklung von Services

Pflege von Netzwerken

Measure 2: Research Quality

Initial Projects

Offene Ausschreibung für Forschungsqualität und Open Science

Nachwuchsgruppe

Nachwuchsgruppe

Forschergruppe + Professur

Öffentliche Diskussionsformate zu Forschungsqualität und Open Science

Measure 3: OpenX Initiative

Berlin Open Research

Berlin Open Research Strategy

Entwicklung und Implementation von Open Research Services

The Call

- Two funding lines: Research Quality and Open Science (or their interfaces)
- Projects from all disciplines that support the expansion and networking of scientific expertise on research quality and open science in the Berlin research area
- New disciplinary approaches as well as transferability to other disciplines are particularly welcome.
- Projects needs to contain a concept for implementing concrete measures to continuously safeguard research quality and to open up science within the Alliance.
- Readiness to network with other topic-relevant projects and/or objectives within the Berlin University Alliance, in particular Objective 5 – Sharing Resources or with the CCTs.

Line 1: Research Quality

*Research quality in different disciplines: discipline-specific dimensions of research quality, standards in research and research practice, quality criteria, infrastructures and processes of research quality assurance in different disciplines; comparative approaches are particularly welcome.

Line 1: Research Quality

*Evaluation and assessment procedures: checking the adequacy of existing procedures or developing new procedures and indicators for transparent and appropriate assessment of research performance using qualitative, quantitative methods or mixed-method approaches.

Line 2: Open Science

* Funding of open science practices: development of experimental incentives, including open science elements and practices in individual and collective research practice. Among other things, citizen science components may be integrated into ongoing research projects.

Linie 2: Open Science

* Analysis of disciplinary framework conditions for open science: research on differences in practice and in the administrative, regulatory, and technical framework conditions of open science in various disciplines, as well as developing proposals to overcome existing barriers.

Linie 2: Open Science

* **Studies on science policy:** research on previous development and implementation of open science guidelines and practices at the four partner institutions, as well as analysis and development of concepts for potential cross-alliance measures.

The Application Process

Eligible are:

- Professors,
- Post-doctoral researchers
- Managerial staff and post-doctoral employees from research-support areas

Additional note:

➢ Applicants cannot be part of more than one grant proposal

➢ Applications need to be submitted through the BIH-Portal: https://bit.ly/3g5YNEc

The Application Process
Templates

All application-templates are provided for download on https://bit.ly/3nhJfjm

- Template 1: Budget

- Template 2: Notice for Projects of the Berlin University Alliance (will be provided shortly)

The Call:
Funding, Time Period, Project Start

Terms	Max. 2 years
Earliest start date of funding	March 15, 2021; projects can specify the desired project start date in their proposals. Projects must start by September 2021 at the latest.
Amount of Funding	Minimum 25,000 euros to maximum 150,000 euros per annum
Object of Funding	Human and material resources

The Call: Selection Process

1. Formal Criteria If the proposal meets all formal criteria it will be included in the preselection

2. Preselection Independent reviewers assess the proposals using a scoring system to rate 4 main criteria. These are:

- Proposal lies in the thematic focus of this call
  (max. 3 pts.)
- Proposal addresses a problem that is realistic, relevant and state-of-the-art
  (max. 3 pts.)
- Proposal offers one (or more) solution that is innovative, feasible and adequate
  (max. 3 pts.)
- Is the implementation plan realistic and sustainable?
  (max. 3 pts.)

3. Written Reviews (written form)
- Proposals that obtained at least 8 points (minimum 2 per criteria) per reviewer will receive at least two detailed written reviews.
- Reviewers are identical to those in step 2

4. Shortlist

Taking into account the results of the preselection and the written reviews, the selection committee compiles a shortlist.

5. Decision-making

The selection committee's shortlist will be presented to the Berlin University Alliance's Executive Board (ExB) for confirmation. After this step, applicants will be informed about the results of the review and the selection. The reviews will be made available to interested parties upon request.

The Call: Reviewers and Selection Committee

Applications will be reviewed by neutral reviewers as an open peer review. By *open* we mean:

1) the names of the reviewers are known and
2) the reviews are disclosed.

The Selection Committee consists of experts from Non-BUA institutions as well as the members of the Objective 3's Steering Committee (SC). The SC recommends the external experts which will then be appointed by the ExB.

Questions?

Any questions left?

- You will find a FAQ section on our website: https://bit.ly/2IAHVZP

- Your question is not yet part of the FAQ? Write to core@berlin-university-alliance.de

➢ The FAQ section will be regularly updated on the basis of received questions.

Thank you

In case of further questions please write to
core@berlin-university-alliance.de