

# **Project Planning Summary (AA / BMBF)**

### Project name

### **Applicant institution**

Efficient statistical tools for networks and their applications

Leipzig University

#	Impact	Success indicators	Information sources/ methods
	Project objectives (outcomes) What are the specific project objectives? Project objectives refer to the specific use and application of the results (outputs)  Add further rows to the table to enter further project objectives (outcomes).	Which quantitative and qualitative indicators can be used to measure, whether the respective project objectives have been reached?  Note: Ideally, only one indicator should be listed per project objective (outcome). However, it may be necessary to consider more than one indicator to record results and make statements regarding the achievement of objectives.	How can the data be gathered that is required to assess the indicators (information sources, methods if applicable)?
OC1	Consolidate the relationship between all partner groups	Joint publications, co-supervised/co-mentored Dissertations	Pubmed, Web-of-Science, ArXiv
OC2	New collaboration opportunities will be identified, especially in regard to junior scientists research network expansion	Grant applications to national funding agencies on research topics developed during cooperation	Web pages of funding organisations
OC3	Continuation of collaboration for full period of PROBAL funding	Renewal of proposal to DAAD PPP Germany/Brazil for second funding period to complement 4 years of PROBAL funding	Proposal
	Results (outputs)  Which specific results of the measures/activities are envisioned for reaching the project objectives?  Add further rows to the table to enter further results (outputs).	Which quantitative and qualitative indicators can be used to measure, whether the results have been achieved?  Note: Ideally, only one indicator should be listed per result (output). However, it may be necessary to consider more than one indicator to record results and make statements regarding the achievement of objectives.	How can the data be gathered that is required to assess the indicators (information sources, methods if applicable)?



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OP1	In person meetings in Brazil and Germany will enable all involved scientists to engage in topic specific discussions as well as get first hand impressions of the work and living environments for future collaborations and research stays.	courses	Il be organized every year together with two short workshops to also allow other students and rest to participate.	Minutes of meetings will be reported
OP2	Joint publications will strengthen the scientific footprint for all partici- pating researches, especially young scientists, which will be advanta- geous for funding applications of their own.	ence. Rallyze che pathway that the	hods developed here impact several fields of sci- andom networks are ubiquitous and helpful to ana- emical compounds, social interactions, metabolic s, neural networks, and the internet. We expect works generated in this proposal will have a high given the widespread interest in random networks.	Pubmed, Web-of-Science, ArXiv
OP3	Junior scientists will develop a set of skills, from collaborative software development via open source platforms like GitHub to planning skills for software and project development as well as distribution and maintenance of open source software.	All developed algorithms will be implemented as reference software packages e.g. in R or Python libraries.		GitHub, CRAN, PiP, Conda
OP4	Junior scientists will be tightly integrated in both, report composition as well as reapplication for DAAD funding, thus providing them with hands-on experience in funding acquisition and project execution.	As the funding periods of DAAD ends after 2 years, while the PROBAL funding ends after 4, we will apply for a sec- ond round of funding towards the end of the German project time.		Follow-up application
	Measures/activities¹ List the intended measures/activities title of the measure/activity used in the description)  Insert new rows in the table for furthe planned measures/activities.	e project	Please assign the measures/activities to the desired project results ( <b>outputs</b> ) by entering the corresponding number in this column (OP1, OP2, etc.)	Please assign the measures/activities to the desired project objectives (outcomes) by entering the corresponding number in this column (OC1, OC2, etc.)
M/A1	Kickoff meeting		OP1, OP3	OC1, OC2

<sup>&</sup>lt;sup>1</sup> A measure/activity can be presented on its own or as part of a group; e.g. 'five events', provided that these contribute to the same project objective (outcome). Project Planning Summary (AA / BMBF) – PPP from 2022 – P33 – as of: 02/2021 – V 2.0



#### Deutscher Akademischer Austauschdienst German Academic Exchange Service

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M/A2	First travel of the German group to Brazil	OP1, OP2, OP3	OC1, OC2
M/A3	Second visit in Germany	OP1, OP2, OP3, OP4	OC1, OC2, OC3
M/A4	Second visit in Brazil	OP1, OP2, OP3, OP4	OC1, OC2, OC3