HEIBRIDS

**HELMHOLTZ EINSTEIN INTERNATIONAL
BERLIN RESEARCH SCHOOL IN DATA SCIENCE**

HEIBRIDS PhD RECRUITMENT – Spring 2024
PROJECT PROPOSAL

[PROJECT TITLE]
[NAME AND AFFILIATION OF PRIMARY AND SECONDARY SUPERVISOR]

1. **Project description** [max 400 words]

   [Describe the goal and main objectives of the project, as well as the main approaches and methods to achieve them.]

2. **Data Science / Interdisciplinary aspects** [max 150 words]

   [Describe how data science approaches will be employed to achieve the desired objectives.]

3. **Impact of the research topic on the state-of-the-art and the lab of each PI** [max 400 words]

   [Describe how the proposed project enhances and extends current research of the PIs and beyond.]

4. **Selected publications** [max 5]

   [List up to 5 own publications related to the proposed project.]

5. **By submitting this project proposal, we acknowledge the information about the HEIBRiDS program below.**

General information

Tandem Supervision

The doctoral candidate and both supervisors shall discuss the progress and continuation of the project with regard to milestones, time schedule, progress reports, and dissemination at length at least <u>once each semester</u>.

Thesis Advisory Committee (TAC)

In addition to day-to-day supervision, the doctoral candidate is mentored by a Thesis Advisory Committee (TAC). The main task of the TAC is to guide the doctoral candidate throughout the thesis work and to monitor and evaluate the progress of the research project and individual development. The TAC consists of <u>at least</u> three members from the universities and Helmholtz centers, who shall be meeting <u>annually</u>. Members are the supervisors and one or two other researchers with expertise in the studied topic. At least one of the extra members should be <u>scientifically independent</u> from the supervisors.

HEIBRiDS Curriculum (see Annex)

Throughout the doctoral training, the doctoral candidate shall receive both scientific and professional training. Due to the interdisciplinary nature of the HEIBRiDS program, the scientific training shall complement the background of the doctoral candidate, e.g. candidates with strong data science background shall select courses primarily from the particular application domain, whereas candidates with a strong application domain background should select courses on data science. Scientific and professional training courses shall be selected after agreement with at least one of the supervisors.

Funding
Doctoral candidates will receive a 4-year contract (E13 TVöD or TV-L) with the institution of the first supervisor.
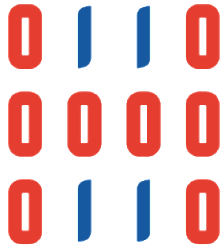
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Annex

HEIBRiDS Training Curriculum

	1st Year	2nd Year	3rd Year	4th Year
I RESEARCH PROGRESS min. 15 CP	1st TAC		2nd TAC	3rd TAC
	HEIBRiDS PhD Seminar			
II RESEARCH-RELATED TRAINING min. 20 CP	Scientific courses/Workshops/Seminars/JC/Publications			
	HEIBRiDS Lecture Series			
III RESEARCH COMMUNICATION & OUTREACH min. 6 CP	Presentation at HEIBRiDS Retreat			
		Conferences (poster & oral presentations)		
IV KEY COMPETENCES min. 4 CP	Project/Time management, Communication			
		Scientific writing, Presentation		
			Leadership, Career planning	
OTHER ACTIVITIES	Teaching			
	Supervision of undergraduate students			
	Third party funding acquisition & Peer reviewing			
	Event organisation			
	Language courses			