Call for Project Proposals 2021

The Helmholtz School for Marine Data Science (MarDATA) is looking for (up to 10) interdisciplinary project proposals for doctoral researchers (funded project duration: 36 months) that cover a new and innovative interdisciplinary approach to bridge the fields of marine science and information & data science. Projects are expected to demonstrate the application of advanced data science methodologies to a marine science research question.

Scientific background and research field affiliations of principal investigator tandems need to cover both fields of research (marine science and information & data science). The supervision concept within the project should demonstrate a truly interdisciplinary approach that allows doctoral researchers to be part of both working groups/research fields.

MarDATA aims at recruiting master graduates with an excellent background in information & data science. Targeted master degrees include (but are not limited to): computer science, applied mathematics, information science, robotics, control engineering.

Eligible to submit a proposal:
We welcome proposals by PI tandems from GEOMAR Helmholtz Centre for Ocean Research Kiel and Kiel University (CAU). PI tandems have to consist of (at least) one marine sciences PI and (at least) one computer science (or similar) PI. PIs who are not officially eligible to supervise doctoral researchers have to name an additional PI (from their group or research unit) who is.

Funding structure of successful projects (100% E13, 3 years):
50%   funded by MarDATA
50%   funded by GEOMAR (central + project PIs, ratio to be specified)

Please note: doctoral researchers have to be employed at GEOMAR (100% E13, 3 years) and PIs affiliated to the Helmholtz Centre are required to provide a part of the 50% co-funding! We are currently clarifying the exact amount of required co-funding by PIs and will provide this number as soon as possible.

Time-line:

Deadline for submission of project proposals:	**24 February 2021**
PI match making (optional)*:	**02 February 2021**
Steering Board Decision on successful proposals:	**05 March 2021**
Call for applications and interviews:	**March – June 2021**
Start of the projects	**September – December 2021**

Please use the template to submit your project proposal for the next MarDATA recruitment round (see How-to for additional information). In case you'd like to include figures in your proposal, please attach them to the proposal. You can also combine figures and project template to a new pdf.

Please send your proposal to the Scientific Coordinator MarDATA, Dr. Enno Prigge (eprigge@geomar.de). Dr. Prigge will also answer questions to the call or MarDATA in general.

If you would like find out more about MarDATA and current projects, please visit:
https://www.mardata.de/research

*if you would like to join the match making, please get in touch with Dr. Enno Prigge

Project Proposals 2021 – How To

Please use the template to submit your project proposal for the next MarDATA recruitment round. In case you'd like to include figures in your proposal, please attach them to the proposal. You can also combine figures and project template to a new pdf.

Please send your proposal to: eprigge@geomar.de

See below for additional information on how to complete the template.

Principal Investigators (PIs)
< Give names, title, and affiliation of 1st and 2nd principal investigator. Please note: PI tandems have to consist of one PI from the Helmholtz Centre (Marine sciences) and one PI from the University (Computer Sciences, Information & Data Science, etc). In case PIs listed here are not eligible to officially supervise a doctoral researcher, additional PIs need to be included (from the same group/research unit).>

Additional PIs (please specify role at the end of the proposal)
< It is possible to list additional PIs. Number of additional PIs is not limited. However, we would like to ask you to clarify specific roles of additional PIs at the end of the proposal. >

Disciplines:
< Please name disciplines involved in your project>

Keywords:
< Please name up to 5 keywords>

Motivation (max. 200 words):
< Please briefly describe the motivation to apply computer science methodologies to the given marine science challenge. How will innovative computer science approaches advance the marine science question?>

Research Questions (max. 200 words):
< Please briefly specify the research questions of the project. What are expected results? What is the expected impact? How will computer science approaches be integrated into the particular >

Approach (max 200 words):
<Please briefly name and describe the approach/methods of the project. Can you name specific milestones? >

Interdisciplinary Supervision (200 words):
< Please summarize the anticipated concept of interdisciplinary supervision. How will the co-supervision be structured? How will you ensure a solid co-supervision of both (all) PIs?>

Role of additional PIs
< Please specify the role of additional PIs>

References:
< Please list all references used in the proposal>