



The **Geo.X research network for Geosciences** is a strategic partnership of university and non-university institutions dedicated to multi- and inter-disciplinary geoscientific research in the metropolitan region of Berlin and Potsdam. Geo.X spans the whole range of geoscientific disciplines, ranging from space-borne earth observing systems, through atmosphere studies, to material sciences, earth surface dynamics and to the deep biosphere.

Our partner institutions aim at a joint Interdisciplinary Research School with an open call for both **PhD** and **PostDoc** positions in the interdisciplinary area of **Data Science** as a methodological focus within the geoscientific research topics **Natural Hazards and Risks** and **Geo-Bio-Interactions**. Therefore we invite applications for up to a total of

14 Geo Data Scientist Positions (3-year PhD or 2-year PostDoc positions)

We aim to train a new generation of young, interdisciplinary scientists with interdisciplinary skills in the intersection of mathematics, computer sciences, and geosciences. We call this intersection of three research areas “Geo Data Science”. With this, we focus on geoscientific challenges tackled by data science as a methodological core of all open positions. As a key element of this open call, each application has to include a short research proposal with an interdisciplinary research idea, including **Data Science Methods** as well as geoscientific challenges in **Natural Hazards and Risks** or in **Geo-Bio-Interactions**. We expect candidates to describe their own interdisciplinary research ideas within this framework.

With our Interdisciplinary Research School we offer a vibrant research environment that covers interinstitutional collaborations, interdisciplinary supervision, additional training courses (e.g. summer schools, workshops, and seminars organised by peers) and soft skills training. The doctoral training concentrates on providing interdisciplinary, method-oriented competences. In addition, an innovation forum will offer young scientists the opportunity to further develop their research results, making them available to the economy, the public sector and society. Our exchange and mentoring programmes will be exploited for increased integration into international communities.

Applicants (PhD candidates) at the time of appointment, should have a MSc degree or equivalent in at least one of the following fields as well as a strong affinity with interdisciplinary research: Earth Sciences, Mathematics, Computer Science, Physics, Chemistry, Biology, Social Sciences, or related fields. Postdocs must hold a PhD degree in one of the above fields and show strong interdisciplinary skills and independent research experience.

The website <http://www.geo-x.net/en/research-school.html> provides more information on

- the scientific framework of this call
- candidate requirements and online application procedure,
- payment scheme for both PhDs and PostDoc positions

Candidate evaluation will begin after the **application deadline on October 31th, 2016**; with an anticipated start of projects on February 1st, 2017. Employment will be made according to the individuell conditions of the Geo.X institution employing the selected candidate. All Geo.X partner institutions are equal opportunity / affirmative action employers.

