



## 3-year-post-doc position (100%)

*Reference number PD\_2022\_1*

Globally and in Germany, the type and scale of carbon dioxide removal (CDR) plays a major role in developing pathways to climate neutrality. CDR measures include terrestrial, geological, material-based and marine approaches, on which the state of knowledge is sometimes very different. So far, there is no uniform framework for evaluating individual CDR measures, which also allows for weighing tradeoffs with other sustainability goals.

The synthesis project CDRSynTra (led by LMU Munich) of the new CDR programme of the Federal Ministry for Education and Research (BMBF) brings together the research results of the individual projects of the entire BMBF-funded CDR programme. The aim is to comprehensively and uniformly evaluate the potentials and side effects of the various methods. This will lay the scientific foundations on which a socially acceptable and ecologically and economically sensible mix of CDR methods can be developed.

To this end, CDRSynTra works in three research pillars on Earth System Analysis, Climate Change Mitigation and CO<sub>2</sub> Removal Pathways, and Governance and Policy - in intensive dialogue with stakeholders and broad transparency (e.g. school programme, museum exhibitions). A comprehensive screening of the international CDR research landscape optimises the research impact.

For this project we advertise the following position:

### **Post-Doc Position for project and research synthesis in the field of CO<sub>2</sub> removal (CDR).**

The successful candidate will contribute to the MCC sub-project and thus to the research synthesis. Three systematic reviews will be conducted on the state-of-the-art of CDR technologies and practices on the one hand and governance architecture and policy instruments on the other. These will both enable the location of the scientific progress of the other CDR projects within the programme and comprehensively reveal the research needs for a possible second phase. Furthermore, a taxonomy of CDR technologies will be developed as a starting point for a comprehensive mapping of the broad CDR literature. In addition, high quality inputs for infographics, website and learning materials will be generated. Moreover, this sub-project contributes decidedly to stakeholder engagement (e.g. through round table discussion formats, parliamentary breakfasts, etc.) and synthesis of the results of the other CDR projects in the programme (in particular through the joint development of a new framework for assessing the state of play).

#### **Responsibilities**

The successful candidate will work at the MCC in Berlin in the Working Group on Sustainable Resource Management and Global Change headed by Sabine Fuss - in close collaboration with the Working Group on Applied Sustainability Research headed by Jan Minx. There are also various collaborations with other MCC working groups in the field of CDR research.

The main tasks of this specific position are:

- Contribute to the development of a new CDR taxonomy.
- Lead in the production of three systematic reviews on the state of the art of CDR technologies and practices, governance architecture and policy instruments.
- Contribute to the development of materials and communication strategy
- Contribute to stakeholder engagement

- Contribute to the synthesis of the results of other CDR projects and situate them in the research landscape.
- Participate in project meetings and coordination with other project partners
- Present project results at international conferences
- Publish scientific results in renowned international journals

### **We are looking for**

We are looking for enthusiastic applicants who can work independently and within an interdisciplinary team and who have a keen interest in the project. Requirements are:

- PhD in a field of interdisciplinary climate research, preferably from the social sciences;
- Prior knowledge in the field of climate neutrality and especially CO<sub>2</sub> removals - relevant scientific publications are a clear advantage;
- Interest in - or ideally experience with - systematic reviews and research synthesis; relevant scientific publications are a clear advantage;
- Experience in data analysis is desirable;
- Willingness to travel approximately three times per year as part of the project;
- Strong motivation and organisational skills;
- Ability to work in a team;

### **We offer**

- An inspiring, international, interdisciplinary and diverse working environment in a world-leading climate policy research institute;
- The opportunity to contribute to addressing the challenges of climate change and our shared future; Flexible and family-friendly working conditions;
- Working in a dedicated and motivated multicultural team;
- Top research: MCC researchers publish in renowned international journals such as Nature, Science or PNAS and are strongly represented in international assessment processes such as the IPCC;
- Opportunities to collaborate with MCC's national and international network of leading climate and energy research institutes and think tanks; and
- Participation in the company pension scheme;
- An attractive workplace in an old industrial building on the EUREF campus in Schöneberg, Berlin.

The MCC values a collaborative work environment where diversity, tolerance and equality are important. We are committed to increasing the proportion of women, especially in leadership positions, as demonstrated by our Equality Strategy ([here](#)). The MCC offers an exciting, collaborative, interdisciplinary and international research and working atmosphere.

### **Conditions**

We are looking for candidates who would like to start the position as soon as possible. The position has a limited term. Remuneration is in accordance with the collective agreement for the public service in Germany at 100% TVL 13. This is a full-time position with a working week of 40 hours per week.

### **Applications**

Please send your application by e-mail with the reference number as subject to Ms Franziska Faber, [jobs@mcc-berlin.net](mailto:jobs@mcc-berlin.net), with the following content included in a single pdf file:

- Letter of motivation
- Curriculum vitae including a complete list of publications
- Two selected papers
- Copies of relevant certificates

Please note that only shortlisted candidates will be invited for an interview. For questions regarding content, please contact Prof. Sabine Fuss, [fuss@mcc-berlin.net](mailto:fuss@mcc-berlin.net).

### **Portrait of the MCC**

The MCC was founded in 2012 by the Mercator Foundation and the Potsdam Institute for Climate Impact Research (PIK). Our research is conducted in seven working groups and addresses the major challenges of climate change and the governance of the global commons. Our research is primarily rooted in economics and other social sciences. We provide scientific policy advice and aim to identify policy-relevant solutions. Collaboration with top-class international partner organisations forms a network of excellence and promotes the high quality of research at the MCC. Within a few years, the MCC has established itself prominently in the climate policy research landscape and is at the top of the list of climate think tanks in Europe.

For more information about the institute, please visit <http://www.mcc-berlin.net>.