

Bauhaus der Erde gGmbH

The newly launched Bauhaus Earth (Bauhaus der Erde gGmbH) seeks qualified researchers (f/m/d) and managers to join our team.

Background

The built environment is responsible for an estimated 40% of anthropogenic greenhouse gas emissions as well a host of other global ecological and social impacts. By 2050, there will be 2.3 billion new inhabitants of global cities. Demand for new buildings and infrastructure will grow accordingly, placing an increasingly heavy burden on critical resources and vulnerable ecosystems. Resource deprivation will further disenfranchise an ever-larger segment of human populations. To avoid a collapse of our climate and the rupture of already tenuous social fabrics, we call for the re-formation of the Anthropocene and the reshaping of our burgeoning cities — the way we build them, organize them, distribute their services, and inhabit them. A fundamental transition from an extractive, mineral-based and fossil hydrocarbon-fuelled construction economy to a regenerative bio-economy and circular system of material reuse will incentivize cities to store rather than emit excess atmospheric carbon, absorb rather than exacerbate the flows of waste from industrial and consumer activity, promote and incentivize the restoration and expansion of global forests, and, by extension, reapportion resources and economic power at local, regional, and global scales.

In addition to the research and application of new bio-based materials and the development of criteria and methodologies that inform new approaches to design and construction, the remapping of our systems of building production and consumption will entail fundamental research and experimentation: in bio- and circular economic construction; in the material, forest, and climate sciences; in industrial ecology and waste management; in polycentric and community-oriented urbanization — all to promote inclusivity and social justice, climate restoration, bio-diversity and human health. In its mission to reverse the forces of climate change through the transformation of the building sector, the Bauhaus Earth (Bauhaus der Erde gGmbH) seeks to develop and implement comprehensive architectural, technological, urban, and social strategies that form the nucleus of a global movement to re-calibrate the activities and artifacts that comprise the making and inhabitation of buildings and cities.

Call for applications

The Bauhaus Earth, with its globally oriented consortium of Think Tank, Network, and Innovation Labs, seeks to build a team of critical thinkers, rigorous investigators, and bold experimenters to join in the effort to address, fundamentally and effectively, our self-made existential threat. We call for applications for the following position:

SCIENTIFIC RESEARCHER

(POSITION #2021/01)

SUBJECT AREA: personal research assistant to Prof. Hans Joachim Schellnhuber;

EXPECTED QUALIFICATIONS: substantive experience in quantitative research preferably in the natural sciences, agroforestry, material science, building technology, nature-based solutions for decarbonization.

EDUCATIONAL BACKGROUND: Master's degree in relevant natural sciences; completed Ph.D. or proposal for doctoral research, which could be pursued while employed in this position.

CORE COMPETENCIES: systems modelling, material flow analysis, life cycle assessment, carbon accounting.

EXPERIENCE: track record of academic publishing and research grant writing.

In general we expect that our colleagues will be inclined to

- independent inquiry and elaboration of the above-mentioned thematic complexes, including formulation of relevant research questions and posing of possible solutions in terms of sustainable transformation in the urban building sector;
- collegial cooperation in the team and also with other external partners of Bauhaus Earth;
- Interest in and willingness to follow relevant expert discussions and social debates on complex topics;

As a candidate you will bring

- a passion for the built environment and for urban transformation processes as well as enthusiasm for environmental issues and systems analytical thinking;
- technical expertise in climate change and/or building and urban planning;
- a high level of competence in written and spoken German and English;
- an independent way of working and initiative;
- structured, goal-oriented, and integrative thinking;
- an ability to quickly familiarize yourself with new topics;
- creativity and openness to new approaches, people, methods, techniques and mind-sets;
- reliability, resilience, and strong motivation;
- computer skills, including modelling expertise if relevant to job description.

You can expect

- (applied) research and contribution to meaningful topics;
- actively contribute to solving humanity's greatest challenges ;
- an inspiring and creative team with a workplace in Potsdam/Berlin;
- the opportunity for own development and advancement in an international environment;
- becoming part of a dynamically growing company and a multi-disciplinary team;
- flexible working times and opportunity to work from home.

Positions are initially scheduled to end on 30.06.2023. Remuneration is based on the requirements of the collective bargaining agreement of the federal states (TV-L Brandenburg) with a working time of 40 hours/week. The place of work is Potsdam/Berlin.

Bauhaus Earth welcomes applications regardless of cultural and social background, gender, age, religion/belief, ascribed disability or sexual orientation and is particularly pleased to receive applications from people with an international history as well as People of Colour.

Please send your application (including letter of motivation, curriculum vitae, certificates and references) by e-mail to recruitment@bauhausdererde.org by **09 January, 2022** (end of the day)
For inquiries please contact recruitment@bauhausdererde.org .