

Job Announcement

PhD Student Position

at the

Wegener Center for Climate and Global Change, University of Graz

With its 3,800 employees and 30,000 students, the University of Graz provides an exciting and varied work environment. The Wegener Center for Climate and Global Change in collaboration with the Institute of Economics is offering a

PhD student position in environmental and energy economics (project assistant without doctorate)

(30 hours a week; fixed-term employment for the period of two (plus one) years; position to be filled by February 2020)

The University of Graz Field of Excellence "Climate Change and Sustainable Transformation" offers a highly attractive research and teaching environment, with world leading faculty across the relevant disciplines involved from its schools of social sciences and economics, natural sciences, environmental sciences, law and the humanities. The Wegener Center for Climate and Global Change hosts research groups from these fields, providing a stimulating interdisciplinary research environment.

The successful candidate will work within Wegener Center's Economics of Climate Change research group and an international project consortium on sustainable energy transition, specifically on the macroeconomic impacts of cost- or performance-optimizing energy sector development (project [SENTINEL](#)), funded by the European Union Horizon 2020 Programme (Framework Programme for Research and Innovation) and is expected to complete the doctoral programme (in economics or environmental systems sciences) during the three-year employment period.

Job specification

You will analyze different pathways of technology options for a transition to a low-carbon energy system in the EU. You will assess the **macroeconomic impacts of the implementation of different low-carbon energy transition pathways** using a global multi-country multi-sector computable general equilibrium (CGE) model. A key innovation in the project will be the **linking of bottom-up energy market models** with the **top-down macroeconomic model**. Here, the **quantification of uncertainty ranges will be an integral part** in the macroeconomic assessment.

Professional qualifications (required)

- Master's degree in either economics or environmental systems sciences (for the latter with a focus in economics or in business administration) (or equivalent qualification)
- Specialization in environmental economics, demonstrated e.g. by course work or the master's thesis
- Basic knowledge of and ideally also experience in computable general equilibrium modeling (e.g. GAMS/MPSGE)
- Keen interest in current developments in energy and climate policy
- Fluency in English, basic knowledge of German

Professional qualifications (desired)

- Knowledge in energy economics or energy engineering
- Interest in empirical scientific work
- Interest in low-carbon energy technology modeling and costing

Gross salary according to the Austrian Science Fund (FWF): € 2.205,65 p.m. (14 times a year).

Deadline: applications should be received no later than January 31, 2020



Your application

Please send applications – containing a motivation letter, an abstract in English of the master's thesis including a web-link or ftp-link to an electronic copy of the thesis, a Curriculum Vitae including information on previous work experience and publications (if applicable) and a transcript of records, optional a letter of recommendation – in electronic form to Prof. Karl Steininger, University of Graz, to the attention of Sabine Tschürtz, sabine.tschuertz@uni-graz.at, indicating "EconClim application – environment and energy" in your mail header.

Setting and further information

The University of Graz strives to increase the proportion of women in particular in management and faculty positions and therefore encourages qualified women to apply.

We offer you a job with individual responsibility and a variety of tasks. You can expect an enjoyable work climate, flexible work hours and numerous possibilities for further education and personal development. Take advantage of the chance to join a challenging and interdisciplinary work environment in Wegener Center full of team spirit and enthusiasm.

For further information please contact:

Prof. Karl Steininger (phone: +43 316 380-8441; karl.steininger@uni-graz.at)

University of Graz

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Brief information—Wegener Center. The Wegener Center for Climate and Global Change is an interdisciplinary, internationally oriented institute of the University of Graz, which serves as core center for pooling the competences of the University in the areas Climate, Environmental, and Global Change. The institute brings together research teams and scientists from fields such as geophysics and climate physics, meteorology, economics, geography, and regional sciences. For more information, see www.wegcenter.at.