

# PhD and/or PostDoc positions in energy systems modeling at the University of Geneva, Switzerland

## Background

The [Renewable Energy Systems group](#), led by Prof. Evelina Trutnevyte, at the University of Geneva is looking to fill open PhD and/or PostDoc positions in energy systems modeling. Located at the Faculty of Science and at the interfaculty Institute for Environmental Sciences, the Renewable Energy Systems group has three strategic research themes. First, it uses mathematical modeling and technology assessment tools in order to inform transition to renewable energy systems at all spatial scales, from neighborhoods and cities to countries and continents. Second, the group searches for system-level socio-technical energy solutions that are techno-economically feasible, environmentally desirable, as well as acceptable and realistically implementable in the society. Third, the group works with multi-disciplinary methods for improving quantitative long-range energy foresight for decision making under deep uncertainty. The scientific work in the group regularly involves interactions with practitioners outside academia, including policy makers, stakeholders, and the wider public.

The successful PhD and/or PostDoc candidates will work on Horizon2020 and internally funded projects in one of the two areas:

- (1) modeling long-term energy and greenhouse gas emissions trajectories at the European and global scales with the focus on developing a socio-technical energy transition (STET) model;
- (2) spatially-explicit renewable energy systems modeling at a European scale with technology, resource, policy, and socio-economic considerations.

The successful candidates will share the vision of modeling-based multi-disciplinary work at science-society interface that Renewable Energy Systems group is conducting; the group's website and publications are examples of such work. Women applicants are particularly invited to apply.

In return, the Renewable Energy Systems group provides a stimulating and innovative research environment to work on some of today's most pressing societal challenges – energy and climate change. The city of Geneva takes pioneering action in promoting renewable energy as well as hosts multiple international organizations that foster global transition. The Renewable Energy Systems group offers excellent conditions for the PhD students and PostDocs, including a competitive salary as well as funds for travel and further education. The city of Geneva consistently ranks among the most attractive cities worldwide to live.

## Application process and requirements

In order to qualify for the positions, the candidates are required to have:

- Completed or nearly completed Master's or PhD degree;
- Proven knowledge of energy technology, energy systems modeling, and/or quantitative environmental science. Candidates from other fields of sciences, engineering and economics will be considered if they demonstrate relevant modeling skills;
- Interest in developing models, while at the same time working in a multi-disciplinary research environment that specializes in the socio-technical dimensions of energy and climate change;
- Willingness to actively engage in stakeholder interactions, such as workshops (especially applicable to the topic (1));
- Excellent English skills (understanding, speaking, and writing);
- French or German skills are an advantage.

Please send your application to [job-res@unige.ch](mailto:job-res@unige.ch). The applications shall include:

- Motivation letter in English;
- CV;
- Recommendation letters or work certificates of two referees; the letters can be submitted by the candidate directly or can be sent by the referees to the email address above;
- Sample document of academic writing in English, e.g. Master thesis, semester thesis, or a publication as the first author;
- Scanned copy of the Master's degree diploma with grades or the PhD diploma. In the case of nearly completed Master's degree, the latest transcript of grades should be submitted;
- A short note on where you learnt about these open positions.

If the size of the email exceeds 10 MB, only the motivation letter and CV shall be included in the email as well as a link for downloading the rest of the documents, e.g. Dropbox.

**The first deadline of applications closes on Monday, 18 March 2019.** Further applications may be accepted because the positions will stay open until the suitable candidates are found. The starting date will be mutually agreed on and can range from 1 June 2019 to the end of 2019.

For questions, please send an email to [job-res@unige.ch](mailto:job-res@unige.ch).