

PhD, PostDoc, or senior researcher position on long-range national energy scenarios at the University of Geneva, Switzerland

Background

[Renewable Energy Systems group](#), led by Prof. Evelina TrutnevYTE, at the University of Geneva is looking to fill a PhD, PostDoc or senior researcher position in the field of national energy scenarios. Located at the Faculty of Science and at the interfaculty Institute for Environmental Sciences, 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 works with multi-disciplinary methods for improving quantitative long-range energy foresight for decision making under deep uncertainty. Third, 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 society. The scientific work in the group regularly involves interactions with practitioners outside academia, including policy makers, stakeholders, and the wider public.

The successful candidate will have an opportunity to work on research questions that are designed on the basis of their backgrounds and interests within the on-going projects of the group. The umbrella topic is on long-range national energy and emissions scenarios for informing policy making around the world. Potential foci include applying novel quantitative techniques to analyze large databases of existing national scenarios (e.g. machine learning, decision making under uncertainty), or improving existing or developing new models of national energy systems (e.g. for better accuracy or for integrating insights from social sciences into techno-economic modeling). The successful candidate will share the vision of modeling-based multi-disciplinary work at science-society interface that the Renewable Energy Systems group is conducting. The group's website and publications are examples of such work.

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 employment conditions, including a competitive salary as well as funds for travel to conferences 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 position, the candidates are required to have:

- Completed or nearly completed Master's or PhD degree;
- Proven knowledge of energy technology, energy systems, energy and climate policy, or socio-technical transitions;
- Experience with quantitative analysis and ideally familiarity with modeling energy systems at a national or continental scale, e.g. using Python or Matlab;
- Peer-reviewed journal publications as first author (for PostDoc or senior researcher applicants only);
- Excellent English skills in understanding, speaking, and writing.

Please send your application to 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. peer-reviewed publication as first author, Master thesis, semester thesis;
- Scanned copy of the Master's degree diploma with grades (for PhD candidates only). In the case of nearly completed Master's degree, the latest transcript of grades should be submitted;
- 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 will close on Monday, 2 March 2026. The starting date will be mutually agreed on. The successful candidates from outside Switzerland and European Union should count with additional 4-6 months for receiving their residence permit. For questions, please send an email to job-res@unige.ch.