

## Energy analyst: Energy system modelling (TIMES model)

The **Environmental Economics and Sociology Department** at the Charles University Environment Center (Prague, CZE) is opening several job positions to enrich its interdisciplinary modelling team (see also our other calls).

### Description of the job position

A prospective candidate will be responsible to

- contribute in applying, maintaining and developing one of our in-house tools, namely the energy system partial equilibrium model TIMES-CZ for economic analysis
- analyse the modelling results in particular the impacts on energy use and fuel-mix, technology deployment, investment and O&M costs, and emissions; examine the emission/energy reduction potentials and involved costs; discuss energy trends; provide evidence-based policy recommendations
- undertake quantitative analysis as well as qualitative research to inform and complement the quantitative analysis (incl. literature reviews, monitoring developments in policy),
- prepare reports, policy briefs and scientific publications

The job offer is a **full-time position**. Under certain circumstances, we will also accept a part-time position, especially if your work is linked to your studies. Supervision of your **master/PhD studies** is possible by one of our senior research fellows (for instance, at the Institute of Economic Studies, Faculty of Social Sciences at Charles University).

We offer a dynamic position in **an interdisciplinary research team**. Your work will be a part of a comprehensive research carried out within a socio-economic research programme in the environmental / energy / climate area to underpin the Czech policy supported by a rigor analysis.

The position offers an opportunity for **continuous professional development**, training and collaboration with other research organisations in the Czech Republic as well as abroad, participation at international conferences as well as policy-relevant fora. Taking a **secondment (a research stay)** at one of prestigious universities or research centres that partner in the EC funded projects GEMCLIME (<http://gemclime.cuni.cz/>) and GEOCEP (<https://www.geocep.cuni.cz/>) is possible.

### Person specification: Qualifications and competences

- at least a bachelor degree in (energy) engineering or economics
- proficiency in at least one commonly used programming language – proficiency in GAMS is advantage
- advanced use of Excel is required (proficiency in R, Python, STATA is an advantage)
- solid experience in quantitative methods/tools (essential), preferably for energy-economic assessment; good econometric skills are an asset
- strong analytical skills, and advanced experience in energy systems, or related policy analysis; good understanding of the trade-offs between the energy, environmental and economic dimensions of energy systems
- a desire to make a difference in the policy areas that form our core business, particularly in the fields of energy, climate change and environment; knowledge about most recent EU legislation (such as

Climate-Energy package, Green Deal, Fit-for-55) is desirable and prior experience with policy assessments or energy modelling is an advantage

- a very good level of written and spoken English (B2), very good reading and writing skills in Czech (B1) are preferable
- the ability to manage and monitor research projects, good communication skills and ability to work in a multicultural and interdisciplinary environment
- a capacity for both team-working and for working autonomously; strong time management

### Indicative Contract duration

- 36 months initial contract with possible renewal (project-based)

### Workplace/Institution

- [Environmental Economics and Sociology Unit at The Environment Center](#) (Charles University)

This unit belongs to one of the most progressive socio-economic research units in the Czech Republic that applies rigorous economic methods enriched by approaches from other disciplines to quantify the impacts of regulations on the economy, the energy system, the environment and the society, including the quantification of the external costs. We also analyse consumer behaviour, including demand on non-market goods and acceptability of policies. Results from our research have been used by various ministries in the Czech Republic, in particular by Ministry of the Environment, Ministry of Industry and Trade, Ministry of Finance and Ministry of Transport as well as by international organisations, incl. OECD or ECHA. Our research has received funding from prestigious Czech Science Foundation's Excellence program (EXPRO) and EC's Horizon 2020 programme. We are also coordinating a large-scale socio-economic project funded within the Czech Technology Agency's Thematic Centres.

We are based in Prague, Czech Republic.

### Position available

- **October 1<sup>st</sup>, 2021** or later upon mutual agreement

### Application

- Deadline date for applications: **October 30<sup>th</sup>, 2021**
- Please submit the following documents to Dr. Milan Ščasný, [milan.scasny@czp.cuni.cz](mailto:milan.scasny@czp.cuni.cz)
  - Your CV, including your skills and proficiencies
  - Job market paper and
  - Other scientific paper(s) relevant to the position