

The Energy Transition Studies group of the Energy Research Centre of the Netherlands (ECN part of TNO) has a vacancy for a position as

***Energy systems modeler / Energy innovation researcher***

who can support optimizing decision-making for a low-carbon economy by developing scenarios for global and regional energy systems and technologies.

**Position**

The candidate will particularly contribute to the development and analysis of long-term energy system scenarios under stringent climate change constraints and varying assumptions regarding energy technology deployment. The main tool used is the TIAM-ECN model and the TIMES modelling framework, with which the candidate is expected to work for at least half of his/her time. Ideally the candidate is in the possession of a PhD, or is close to completing a PhD dissertation.

The work may include other models and/or types of quantitative techno-economic analysis for specific energy technologies and innovation processes, and may focus on the role of major drivers for cost reductions required for the broad diffusion of innovative low-carbon energy technologies. These approaches are applied in research projects for e.g. the European Commission, as well as in strategic advisory work for international institutions and policy makers across the world.

**Responsibilities**

- Carry out projects in a multi-disciplinary team of energy transition & development researchers;
- Coordinate work with an international network of scientists studying energy and climate policy;
- Publish and disseminate research results to an international audience of energy experts;
- Interact with academia, as well as with representatives from public and private sectors;
- Formulate new research subjects and participate in the acquisition of future projects.

**Qualifications**

- Excellent academic record in the natural, economic, and/or environmental sciences;
- Demonstrable expertise in integrated assessment and/or energy systems modelling;
- Affinity with quantitative policy analysis in the field of energy technology innovation;
- Outstanding research, writing, and communication skills;
- Knowledge of energy and environmental policy, especially related to climate change;
- Ability to work in a team, manage multiple priorities, take initiative, and deliver under deadlines.

We offer an inspiring, multicultural and informal working environment, with room for own initiative and growth. Applications from all nationalities will be considered.

For more information please contact Prof. Dr. Bob van der Zwaan ([bob.vanderzwaan@tno.nl](mailto:bob.vanderzwaan@tno.nl)). Applications can be sent to him by email, and should include a motivation letter and curriculum vitae with publication list and contact details of two references.