

# MSCA Postdoctoral Fellowship at MBD@RWTH

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## Description

Our chair, Methods for Model-based Development in Computational Engineering, at RWTH Aachen University Germany is aiming at supporting potential international candidates working on modelling geohazards within the framework of Marie Skłodowska-Curie Postdoctoral Fellowship (MSCA-PF) programme.

## About us

Research conducted in our chair focuses on innovative methods for model-based development and decision support. This includes predictive process simulations, workflow development for reproducible and reusable modelling, as well as sustainable digital infrastructure. Research group, Engineering Climate Change Response, is developing computational and statistical methods to simulate susceptibility and impact of gravity-driven mass movements. We are also investigating and developing computationally feasible approaches to uncertainty quantification, sensitivity analysis, parameters estimation, model selection and optimal design in the context of geohazards.

## Funding programme

MSCA-PF supports researchers' careers and foster excellence in research. A fellowship can last between 1 and 2 years. EU provides support for the recruited researcher in the form of

- a living allowance
  - a mobility allowance
  - if applicable, family, long-term leave and special needs allowances
- In addition, funding is provided for
- research, training and networking activities
  - management and indirect costs

Please see <https://marie-skłodowska-curie-actions.ec.europa.eu/actions/postdoctoral-fellowships> for more details.

## Eligibility

European Postdoctoral Fellowships are open to researchers of any nationality. Any interested researcher

- should have a PhD degree at the time of the deadline for applications (13.09.2023)

- must have a maximum of eight years experience in research, from the date of the award of their PhD degree
- must not have resided or carried out their main activity (work, studies, etc.) in Germany for more than 12 months in the 36 months immediately before the call deadline on 13.09.2023

## Your profile

### Essential

- A PhD or equivalent in civil engineering, geotechnical engineering, geosciences, environmental sciences or a similar field.
- Documented experience in research on gravity-driven geohazards.
- Publications on geohazards in peer reviewed scientific journals
- Fluency in English

### Desirable

- Experience in proposal writing
- Experience in programming (e.g. Python)

## Interested?

Please send a CV (max. 2 pages) to [yildiz@mbd.rwth-aachen.de](mailto:yildiz@mbd.rwth-aachen.de) until 13.06.2023