

## Research & Development for Catastrophe Modelling

This role is part of the Impact Forecasting team. Impact Forecasting is the catastrophe model development team within Aon, and a wholly owned subsidiary. The global Impact Forecasting team of 90 colleagues based in 5 offices around the world (Prague, London, Chicago, Singapore and Bangalore) consists of scientists, software developers and business development colleagues. Together the team develops and supports catastrophe models for various natural and man-made perils including flood, wind storm, earthquake, fire and terrorism.

### Your main tasks will include:

- Working closely with Impact Forecasting's Weather Risk Modelling team to:
  - assist with the technical development of catastrophe modelling solutions with a focus on hazard and innovation.
  - develop and test ideas that could improve the performance of the modelling solutions.
- Coordinate and eventually manage R&D projects with our academic partners, starting with the European Windstorm project, in collaboration with the Meteorology Department at Karlsruhe Institute of Technology.
- Manage the collection and processing of meteorological data necessary for the R&D work undertaken.
- Communicate with various parties involved in the project, including academic partners, team members in different offices and clients.
- Represent the company at commercial, academic and marketing events.

We are looking for a person with an academic background, interested in extreme climate and catastrophe modelling, willing to work in the bridge between industry and academia, and who is enthusiastic to grow into an expert on this subject.

### To apply for this role, you should have:

- University degree in climatology, meteorology or other natural (geo)science, including geography. The position is suitable for PhD or advanced MSc postgraduates with research experience.
- Technical thinking, ability to quickly learn new things and concepts.
- Good communication skills in English.
- Analytical skills with good knowledge of statistical methods for data analysis.
- Functional knowledge of scripting or programming language (R, MATLAB, Python, or others). Some knowledge of SQL or other relational database tools and of GIS is also useful.
- Good knowledge of MS Office (mainly Excel, Word, PowerPoint).
- Willingness to travel as well as to present your work.
- Availability to start work in Prague in near future.

### What we can offer:

- Interesting and varied role in a dynamic and exciting team.
- Opportunity to work for a market leader in the global reinsurance and insurance industry.
- Continuous and on-going international training programme.
- Competitive salary and attractive benefits package.
- Potential for travelling.