
Job-ID: M20 - 36 **Position:**
Weather and Climate
Modeler
Location: Barcelona, Spain



ABOUT US

Mitiga Solutions is a spin-off from the Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC-CNS). We provide commercial solutions capable to evaluate and mitigate the impact of natural and social hazards, improving the management of risk for clients across multiple industries. We have a dynamic and collaborative workplace that provides an ideal environment where people can be challenged and inspired every single day.

CORE RESPONSIBILITIES

We are looking for individuals who are keen on applying their natural hazards expertise and excellent statistical knowledge to develop innovative and disruptive risk assessment solutions for our clients in the diverse insurance world. With your superior analytical skills and your ability to solve challenges by thinking outside of the box, you will fit perfectly in our international and dynamic team that uses the latest developments in data science and AI. We believe the future is not going to be predicted by looking at the past. Thus, we are combining state of the art climate science research and data with optimized high performance computing algorithms to build models that forecast the impact of extreme weather events with the intention to make the world more resilient against natural hazards.

The role of the **Weather and Climate Modeler** candidate will include:

- Plan and build scalable, integrated technology solutions across the company
- Communicate complex topics in a simple way to internal and external stakeholders not familiar with the topics
- Integrate latest climate scenarios into the risk modeling chain
- Curate, extract, clean and process weather and climate datasets
- Perform stochastic modeling of climate and weather data
- Evaluate the limitations of existing data sources and test methods of extreme weather modeling
- Employ agile development and rapid prototyping techniques
- Promote best engineering practices to ensure quality assurance
- Anticipate options and adapt to new opportunities

HARD SKILLS

This position will be accepted under **Tecniospring Talent Program** promoted by ACCIÓ and the candidate must meet the requirements specified for the program listed above:

- PhD or Master's degree in a quantitative field such as natural sciences or meteorology.
- You must not have lived or engaged in your main activity (work, study) in Spain for more than 12 months from 16th November 2017 and 16th November 2020"

Also, the following skills will be **desired** to fulfill the position:

- Several years of experience in weather/climate modelling research
- Experience in a corporate or start-up research role for a number of years, insurance industry experience is a plus
- An understanding of the literature regarding current issues related to disaster risk management, climate change and resilience is highly desirable.
- Knowledge of quantitative research methods (e.g., modeling, statistics, risk analysis, stochastic simulation)

SOFT SKILLS

- You love challenging and demanding endeavors
- Work collaboratively with design team to understand end user requirements to provide technical solutions and for the implementation of new software features.
- Creativity, high degree of self-initiative, high-energy and a commercial attitude

WE OFFER

- Joining a young, dynamic, multicultural and entrepreneurial team.
- 2 years contract and possibility to extend it.
- Attractive compensation package.
- Mitiga is an equal opportunity employer.

APPLICATION:

To apply for this position, please email your CV with a cover letter to hr@mitigasolutions.com.