SENIOR ECONOMIC LOSS MODELLER

Company	**METRICSAT**
Work Location	**Luxembourg**
Employment Type	**CDI**

About METRICSAT

METRICSAT is a Luxembourg based company developing a product, an environmental intelligence platform for financial institutions. The product combines satellite and other environmental data to assess risks at asset and portfolio level.

We are expanding the platform with an economic loss module that estimates the financial consequences of environmental hazards, including physical damage to installations and associated business interruption.

The role

You will work closely with our senior physical risk scientist, who has developed the products' existing risk modelling layer, our geospatial specialist and our software developers.

Responsibilities

- Design the methodology
- Develop models
- Identify suitable reference datasets
- Validate models
- Work with developers to implement reproducible models and meaningful tests.
- Explain methodologies and results clearly to financial institutions and other stakeholders.

Essential Experience and Skills

- Demonstrated experience developing economic loss models
- Experience calibrating and validating models
- Strong quantitative skills in statistics, uncertainty analysis and model evaluation.
- Proficiency in Python or another scientific programming language, with a willingness to work in a Python based environment.
- Clear technical writing and the ability to communicate complex results to non-specialists.
- A relevant qualification in actuarial science, engineering, applied economics, mathematics, statistics or a related discipline, or equivalent professional experience.

Desirable Experience

- Catastrophe model development within insurance, reinsurance, research or specialist risk consulting.
- Modelling losses for infrastructure, industrial facilities, renewable energy assets or commercial property.
- Developing models that have been integrated into commercial analytical products.
- Understanding how banks, insurers and asset managers use physical risk and loss estimates.

Benefits

- Competitive salary
- An independent role with a supportive and diverse work environment
- Possibility of stock option.
- Work-life balance

How to Apply

Please send your CV and a short explanation of your relevant experience to contact@metricsat.com . Include an example of a loss model you developed, your contribution and how its performance was validated. Public work samples are welcome; confidential material is not required.

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