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Dr. Anne Goujon

Austrian Academy of Sciences, Vienna
Institute of Demography - VID
Welthandelsplatz 2
1020 Wien

Subject: Application as Research Assistant

Dear Dr. Goujon,

After several years as a research assistant at the Institute of Geography of the University of Innsbruck, I am currently writing my PhD Thesis and relocating to Vienna. The advertised position as research assistant appeals to me in that it presents the possibility to continue working in a scientific environment and apply the skillset I have acquired to a new, interesting field of research. Additionally, the option of a part time position would allow me to finish my thesis with the title *Digital terrain analysis to support field soil survey*.

Ever since working as a research assistant at the University of Natural Resources and Life Sciences, Vienna (BOKU), the collection, preparation and evaluation of data has been part of my work. For these tasks, R, the free programming language for statistical computing has been my tool of choice. Descriptive statistics and the visual interpretation of scatterplots and other data representations was invaluable for analysing data on natural hazards at the BOKU. At the Institute of Geography at the University of Innsbruck I applied further techniques for investigating relationships in data sets, for instance machine learning approaches with R. Additionally, I had the possibility to teach the course *Statistics with R* for two semesters. As soil and terrain data, which represent the subject of investigation of my PhD thesis, are spatial data, geographical information systems (GIS) are my second area of expertise. While starting off with ArcGIS as a student and tutor, I have now specialised on the use of Open Source GIS such as GRASS, SAGA and QGIS, and combine the various tools with Python or R scripts.

In addition to my experience with data analysis and visualisation using R and GIS, I am also used to, and enjoy, working in teams made up of experts from different fields of expertise. I have enclosed a resume with references, and would enjoy discussing this position at your convenience. Should you require any additional material or information, I am happy to supply it.

Thank you for your consideration.

With best regards,

Fabian Gruber

Attached: Resume