



PhD Program between the Freie Universität Berlin (FUB) and the China Scholarship Council (CSC)

Open PhD position at FUB for CSC scholarship candidates 2018

Please note: the PhD position is only offered to Chinese PhD candidates for application in the framework of the FUB-CSC PhD Program.

<u>Department/Institute:</u>	Department of Earth Sciences / Institute of Meteorology
<u>Subject area:</u>	Statistical Meteorology and Climatology
<u>Name of Supervisor:</u>	Prof. Dr. Henning Rust
<u>Number of open PhD positions:</u>	1
<u>Type of the PhD Study:</u>	Full-time
<u>Project title:</u>	Spatial statistical models for meteorology and climate

PhD Project description:

Post-processing of climate model output as well as the analysis of observational products benefits from exploiting and describing spatial dependence present in the data. This is particularly interesting for extremes, where data is sparse. Several approaches have been considered, such as Bayesian hierarchical models or Gaussian random fields. These spatial approaches should be applied to the problems typically addressed by the working group, e.g. stochastic weather generators, bias and drift adjustment or forecast re-calibration.

Language requirements:

IELTS: 6.5 or TOEFL: 95 ibt.

Academic requirements:

Candidates should have a strong background in statistics and mathematics. They should furthermore have a very good understanding of physical processes, in particular from meteorology or atmospheric physics. This can be demonstrated with a degree in Physics, Atmospheric Physics, Meteorology or mathematics.

Information of the professor or research group leader:

<http://rolffevolution.net/>

Please note: In a first step, the complete application must be submitted to the Beijing Office for evaluation by January 4th, 2018. Please do not contact the professor before. He/She will get in contact with you after having received the complete application via the Beijing Office in January.