

**GBANGOU Talardia**  
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University and Research

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**Dr. Julian Kunkel**  
Lecturer at the Computer Science Department  
of the University of Reading, Polly Vacher

Dear Dr. Julian Kunkel

Working as a PhD student at the Water System and Global Change group, Wageningen University and Research, Wageningen, Netherlands, my research focuses on the analysis of climate variability and the development of tailored-made climate services for crop production in developing countries. My work includes the statistical downscaling of seasonal forecasts, the evaluation of global, regional and more local dynamical and statistical models towards weather and climate service development.

Applying machine learning tools can help reduce uncertainties in future water security. Therefore, I have an interest in learning more methods and tools on this subject to strengthen my skills and share this knowledge with my team and students. A tentative idea of a project will be: How can machine learning improve rainfall forecasts?

The knowledge and skills acquired from this Summer School will contribute to the teachings at my department and to the improvement of weather and climate information services development in Ghana and Bangladesh under my current PhD research project (<http://www.waterapps.net/en-us/forecasts/>).

Thank you for your time and look forward to hearing from you.

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