



# Weather Impact

## Internship or thesis research

### Climate variability analysis for crop growers in Africa

#### Weather Impact

Weather Impact BV is a Dutch company that aims to provide smart weather solutions to strengthen agricultural decision making. The mission of Weather Impact is to equip agronomical organizations with innovative weather and climate information to optimize food production and quality, to reduce usage of scarce inputs and to improve environmental and human wellbeing. Our user friendly services are based on global forecasting and satellite monitoring data, combined with local data and expertise. Weather Impact offers an inspiring environment with creativity, challenging assignments and room for personal growth and development.

#### Who are you?

We are looking for an enthusiastic student with interest in weather, climate and agriculture. You are in the final phase of a Master degree in Meteorology, Physics, Technical Geosciences or comparable. You:

- have excellent programming skills (e.g. R, Python or Matlab)
- love crunching data and have some experience with machine learning
- think independently of creative solutions
- have good communication and writing skills in English

#### Assignment

In sub-Saharan Africa over 95% of the food is grown under rainfed agriculture. Seasonal climate variability therefore largely impacts African crop growers and is the most important cause of food insecurity in Africa. When crop yields fail due to drought, many small scale farmers find it difficult to recover. El Niño is an important driving force for climate variability in sub-Saharan Africa. In this assignment you are asked to analyse historic seasonal trends and impacts on crops. In addition, you will assess the usability of El Niño forecasts at lead-times of about 3-6 months for support of farmers in their farm management.

#### What do we offer?

At Weather Impact you can expect room for initiative and implementation of your own ideas. We are a young company working in an international environment with a dedicated team of colleagues. Our office is located in a historic building near the city centre of Amersfoort and at walking distance from Amersfoort Central station. As a bonus we offer excellent coffee.

#### Interested?

For more information about Weather Impact, please check [www.weatherimpact.com](http://www.weatherimpact.com). If you have any questions concerning this advertisement, please contact Saskia van Pelt at +31 (0)33 4753535. To apply, please send a CV and motivation letter to [info@weatherimpact.com](mailto:info@weatherimpact.com).