



Weather Impact

Internship or thesis research

Start of the rain season

Weather Impact

Weather Impact is an internationally operating company from the Netherlands, which provides smart weather solutions to strengthen decision making in agriculture. Our mission is to equip agronomical organizations and farmers with innovative weather and climate information to optimize food production and quality, to reduce the use of inputs and to improve environmental and human wellbeing.

Our user-centric services are based on global forecasting and satellite monitoring data, combined with local data and expertise.

Weather Impact offers an inspiring environment where creativity, taking initiative and entrepreneurship are appreciated, while supporting personal growth and development of all employees and interns.

Who are you?

We are looking for a student with excellent study results, who wants to be challenged in data-driven modelling, simulation and optimisation, while using huge datasets of meteorological modelling outputs and monitoring data. You are in your final MSc studies of Meteorology, Physics, Technical Geosciences or comparable.

You:

- have excellent programming skills (Python)
- love crunching data
- think independently of creative solutions
- have good communication and writing skills in English

Your Assignment

In rain-fed agriculture of tropical areas, knowing the start and duration of the rain season as well as the occurrence of dry periods, is of utmost importance. At Weather Impact we have developed a novel algorithm to estimate the start of the rainy season. It uses rain likelihood from meteorological models and remote sensing rainfall data.

In this internship, you will explore the opportunities of sub-seasonal forecasting to improve the current algorithm, determining the skill of these new forecasts and their value for rain-fed farming. The study includes a validation exercise to determine the practical value of the forecast.

What do we offer?

We are a young company with a dedicated team of colleagues, working in an international setting. Our office is located in an historic building near the city centre of Amersfoort and at walking distance from Amersfoort Central Station. We provide all ICT and office facilities needed for the study, as well as excellent coffee!

Interested?

For more information about Weather Impact, please check www.weatherimpact.com. If you have any questions concerning this advertisement, please contact us at +31 (0)33 4753535. To apply, please send a CV, mark list and motivation letter to info@weatherimpact.com.