



## **PhD position (Crop Science / Modelling) in Germany**

(University of Bonn, Germany)

The Institute of Crop Science and Resource Conservation at the Agricultural Faculty of the University of Bonn seeks a PhD student for an interdisciplinary research project "Prediction and Modeling of Hybrid Performance and Yield Gain in Oilseed Rape by Systems Biology". She/he will contribute to this project by developing/improving crop models for characterizing genotype x environment interactions (GxE) in rapeseed. Main emphasis of the work is on modelling using experimental data for model calibration and validation provided by seed industry partners with whom the candidate is expected to closely interact.

The PhD candidate must have a competitive MSc degree in agronomy or a closely related field. Skills in crop growth-physiology, plant-breeding, statistics and mathematics must be well above average. Experience in applied crop modelling is important. Knowledge in computer programming will be an advantage.

The candidate will be based in Bonn and is expected to interact with other members of the research consortium. Willingness to integrate into a multi-disciplinary team and a high level of self-motivation are essential requirements. A high command of English is indispensable as the PhD student is expected to publish in scientific journals. Basic communication skills in German would be an additional advantage for international candidates.

The candidate will be jointly supervised by the Department of Crop Science (Prof. F Ewert. Email: frank.ewert@uni-bonn.de) and Department of Plant Nutrition (Prof. M. Langensiepen. Email: mlang@uni-bonn.de).

The 3-year position is available immediately. The financial remuneration is a stipend corresponding to the German salary level TV-L 13 (75%). The application deadline is March 11, 2015. Please send your applications (CV, certificates, and one-page motivation letter) as PDF files to Prof. Dr. Langensiepen (Email: applications3@langensiepen.net)