

## Contact

William Nelson · Theaterstraße 3, 37073 Göttingen · +49(0)152.335.41075 · wcdnelson@gwdg.com  
 \* 1984-09-30, Croydon, London, England

## Professional Experience

- pres.  
2019

Postdoctoral appointment Synthesis work package of the SALLnet project, Limpopo, South Africa, funded by BMBF  
 Topical Plant production and Agricultural Systems Modelling (TROPAGS), Georg-August-Universität Göttingen
 
  - Arable land modelling and experimentation
  - Land and resource use mapping and modelling
  - Lecturing on crop simulation modelling and field experimentation
- 2018  
2015

Ph.D. candidate Cropping systems modelling  
 Tropical Plant Production and Agricultural Systems Modelling (TROPAGS), Georg-August-Universität Göttingen & ICRISAT
 
  - Investigating resource competition in cereal-legume intercropping systems
  - Focus regions: India and Niger (ICRISAT), Germany, South Africa
 Thesis: *Investigating resource competition in cereal-legume intercropping systems*
- 2014  
2012

Agricultural advisor International Training and Support GmbH (ITS), Bremen, Germany
 
  - Development and extension of teaching materials and model farm for an Africa focused agricultural trainee programme. School site: Yola, Adamawa State, Nigeria
  - Close collaboration with the German Ministry of Agriculture (LWK)
- 2012  
2011

Visiting scientist International Livestock Research Institute (ILRI), Nairobi, Kenya
 
  - Field study of pastoralist innovations in response to climate risk, Marsabit County, Kenya
  - Implementation of pastoralist-pastoralist workshops between communities and innovators for mutual learning through local knowledge exchange
  - Coordination: budget management, recruitment, and report writing
- 2008

Food security research assistant Oxfam GB
 
  - Assistant to Head of Advocacy, Oxfam GB
  - Researcher for Oxfam publications and policy briefs, including:
    - Billion hungry people
    - Inconvenient truth

## Education

- 2011  
2009

MSc International Sustainable Agriculture, specialisation: Tropical Agriculture  
 Thesis: *Structure, income opportunities and agricultural resources endowments of farm households in degraded mine land areas of Gatumba, western Rwanda*
- 2009

KVL, Copenhagen University, Department of LIFE Sciences
 
  - Semester in Agricultural Sciences
- 2006  
2003

Loughborough University, England
 
  - BSc in Political Science with a minor in Social Policy
  - ERASMUS semester in Goteborgs Universitet, Sweden, 2004-2005
 Thesis: *Transport policies in Britain and Sweden in the context of environmental policy*

## Publications

Streit, J., Meinen, C., Nelson, W.C.D., Siebrecht-Schöll, D., Rauber, R., 2018. Above- and belowground biomass in a mixed cropping system with eight novel winter faba bean genotypes and winter wheat using FTIR spectroscopy for root species discrimination. *Plant and Soil*. doi: 10.1007/s11104-018-03904-y

W.C.D. Nelson, M.P. Hoffmann, V. Vadez, R.P. Rötter, A.M. Whitbread, 2018. Testing pearl millet and cowpea intercropping systems under high temperatures. *F. Crop. Res.* 217, 150-166. doi: 10.1016/j.fcr.2017.12.014

Kaufmann, B., Nelson, W., Gudere, R., Canger, V., Golicha, D., Frank, M., Roba, H., Mwai, O., and Hülsebusch, C. (2012): Identifying local innovations in pastoral areas in Marsabit County, Kenya. German Institute for Tropical and Subtropical Agriculture (DITSL), Witzenhausen, Germany, ISBN: 978-3-9801686-9-4

Golicha, D., Nelson, W., Canger, V., Gudere, R., Kaufmann, B. (2012): Guide to conduct pastoralists innovations exchange sessions. Report. Kenya Agricultural Research Institute (KARI), Marsabit Research Centre, P.O Box 147-60500, Marsabit, Kenya

## Conference contributions

3<sup>rd</sup> Agriculture and Climate Change Conference, Budapest, Hungary 24 – 26 March 2019. Poster: W.C.D. Nelson, M.P. Hoffmann, V. Vadez, R.P. Rötter, Koch, M., A.M. Whitbread, 2019. Crop model based exploration of the mechanisms underlying pearl millet-cowpea intercropping performance as impacts by irrigation

2<sup>nd</sup> Agriculture and Climate Change Conference, Sitges, Spain 26 – 28 March 2017. Poster: W.C.D. Nelson, M.P. Hoffmann, V. Vadez, R.P. Rötter, A.M. Whitbread, 2017. Performance of pearl millet and cowpea intercropping systems under extreme climatic conditions in Telangana, India

Tropentag 2011. Poster: Diogo, R., Nelson, W., Han, E. S., Rukazambuga, D., Buerkert, A., 2011. Degraded land rehabilitation of coltan mining sites in western Rwanda with local organic materials. *Organic Plant Production and Agroecosystem Research in the Tropics and Subtropics*, University of Kassel, Witzenhausen, Germany

## References

- Prof. Dr. Anthony Whitbread, Research Program Director, Resilient Dryland Systems – International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) [a.whitbread@cgiar.org](mailto:a.whitbread@cgiar.org)
- Prof. Dr. Reimund Rötter, Chair and Head of the working group Topical Plant Production and Agricultural Systems Modelling (TROPAGS), Georg-August-Universität Göttingen [rroette@gwdg.de](mailto:rroette@gwdg.de)