

## Dr. Sc. agr. Marcos Alberto Lana

### Professional experience

- 2009 Staff member of the project: "A Europe-South America Network for Climate Change Assessment and Impact Studies in La Plata Basin - CLARIS-LPB" at the Leibniz-Centre for Agricultural Research (ZALF) e.V. in Müncheberg
- 2008 -l 2009 Assistant researcher: CLARIS-LPB, Federal University of Santa Catarina (Florianopolis, SC. Brazil)
- 2007 - 2008 Lecturer for Introduction to agronomy (3 hours/week), Soil management (5 hours semester) and Mechanization for aquaculture engineering (12 hours/week) at the college of Agricultural Sciences, Federal University of Santa Catarina
- 2007 - 2008 Speaker at Latin American School of Agroecology (Lapa, PR, Brazil) CEAGRO, Center of Sustainable Development and Agroecology training (Cantagalo, PR, Brazil) CEDEJOR, Center for Rural Youth Development (Lauro Müller, SC, Brazil). Subjects: Soil management, soil ecology, weed management, agroecology
- 2008 Organizer and lecturer of specialized training for technicians of Southern Brazil: Agroecology for state agricultural extension service (120 hours) and Agroecology for technicians working with afro-descent communities (80 hours). Funded by Brazilian Ministry of Agrarian Development
- 2006 Voluntary lecturer, introduction to Agronomy (2 hours/week) at Federal University of Santa Catarina
- 2005 - 2008 Agronomist (Federal University of Santa Catarina and University of California at Berkeley) working for the project "Organic conservation tillage systems for family farmers in Southern Brazil: understanding agroecological mechanisms for scaling up of the technology"
- 2001 - 2003 Project participant (Fderal University of Santa Catarina): Perennial pastures management for animal production in West Santa Catarina State

### Education

- 2013 PhD, theme: "Regionalization of climate change impacts and adaptation strategies for maize in Santa Catarina State, Brazil", at Christian-Albrechts-Universität zu Kiel, Agricultural and Food Sciences, Supervisor: Prof. Dr. Henning Kage and Prof. Dr. sc agr Dr. hc. Frank Eulenstein
- 2010 PhD Student (at Christian-Albrechts-Universität zu Kiel)
- 2005 - 2007 Master in Agroecosystems and Rural development, Federal University of Santa Catarina (Florianópolis, SC, Brazil), Master thesis: "Cover crops use for weed management: an agroecological strategy for agroecosystems re-design"
- 2003 Agroecology, University of California at Berkeley (Berkeley, CA,

2000 - 2005 USA), Consortium in agroecology and sustainable rural development  
Agronomy, Federal University of Santa Catarina (Florianópolis, SC, Brazil), Graduate thesis: "The revolution of Cuban agriculture: from the conventional to the agroecological model"

### **Advanced Training**

May 2011 Assessing crop production, nutrient management, climatic risk and environmental sustainability with simulation models, ICASA and International Fertilizer Development Center, Muscle Shoals, USA

Aug 2009 DSSAT (Decision Support System for Agrotechnology Transfer) and SUR Systems, INTA, Pergamino, Argentina

Aug 2006 Youth encounter on sustainability, ETH Zürich, Braunwald, Switzerland

Jan 2006 "Developing ecologically appropriate agricultural systems to mitigate human migration from rural communities", Merida, Mexico

Jan-Feb 2004 Experiences and options of sustainable agriculture in Cuba, Cuban Ministry of Agriculture, La Habana, Cuba

Dec 2003 Training on agroecological livestock production systems, EEPF Indio Hatuey, Cuban Ministry of Superior Education, Matanzas, Cuba

Oct 2002 Education, small agriculture and sustainable rural development, Federal University of Paraíba, João Pessoa, Brazil

Jan-Feb 2001 Agroforestry systems, IAC, Jundiá, Brazil