

**Master Theses in „Erdsystemwissenschaften“ and „Earth System Science“  
at University of Hohenheim, Stuttgart, Germany**

<b>WINTER SEMESTER 2012/13</b>		
<b>Name</b>	<b>Title</b>	<b>First Supervisor</b>
Bäuerle, Lisa	Pflanzenökologie und Bauwert verschiedener Herkünfte der Bioenergiepflanzenarten Sida und Silphium während der Etablierungsphase	Prof. Dr. Fangmeier
Haezeleer, Bettina	Schwingungsspektroskopische Untersuchungen an thermischen Zersetzungsprodukten von Biomolekülen	Prof. Dr. Strasdeit
<b>SUMMER SEMESTER 2013</b>		
<b>Name</b>	<b>Title</b>	<b>First Supervisor</b>
Geisinger, Armin	Niederschlagsanalyse mit einem X-Band-Doppler-Radar	Prof. Dr. Wulfmeyer
Stürz, Marcel	Abschätzung der Evaporation und der Transpiration von Winterraps aus Lysimeter- und Klimakammerdaten	Prof. Dr. Streck
<b>WINTER SEMESTER 2013/14</b>		
<b>Name</b>	<b>Title</b>	<b>First Supervisor</b>
Fritz, Amelie	Changed Weather Patterns and the Impact on Feed Security for Livestock	Prof. Dr. Birner
Grohmann, Anja	Interactive Effects of Nutrient and Light Availability on the Performance of <i>Saccharina latissima</i>	Prof. Dr. Spring
Groner, Vivienne	The Impact of a Large Scale Plantation of <i>Jatropha curcas L.</i> on Convection Initiation under Monsoonal Conditions in the Coastal Desert of Oman	Prof. Dr. Wulfmeyer
Horsche, Anna	Contribution of Low Frequency Turbulent Fluxes to Energy Balance Closure at a Winter Site in Southwest Germany	Prof. Dr. Streck
Käufler, Katrin	Modellierung und Validierung von Treibhausgasemissionen aus dem Pfrunger-Burgweiler Ried mit dem Denitrification-Decomposition-Modell	Prof. Dr. Stahr
Stoll, Inga (geb. Voropaeva)	Plant Remains from Roman-Period Town of Obulco (Today Porcuna) in Andalusia (Spain) – Distribution and Domestication of Olive in the West Mediterranean Region	Prof. Dr. Küppers

**SUMMER SEMESTER 2014**

<b>Name</b>	<b>Title</b>	<b>First Supervisor</b>
Seckinger, Christina	Species-Specific Estimation of Above-Ground Carbon Density by Optical In Situ Measurements of Light Interception in Semi-Arid Grasslands	Prof. Dr. Asch

**WINTER SEMESTER 2014/15**

<b>Name</b>	<b>Title</b>	<b>First Supervisor</b>
Adam, Stephan	Assimilation von Lidar-Temperaturdaten in das WRF-Modell	Prof. Dr. Wulfmeyer
Benzing, Jörg	Heterogenität der atmosphärischen Grenzschicht: Analyse der Daten des scannenden Wasserdampf-DIALs der Universität Hohenheim im Rahmen der HOPE-Kampagne	Prof. Dr. Wulfmeyer
Bicic, Verena	Die Rolle der Waldnutzung im landwirtschaftlichen Umfeld	apl. Prof. Dr. Gruber
Gwinner, Annika	Anwendung der Fourier-Gleichung der Wärmeleitung zur Korrektur der Phasenschiebung von Bodenwärmeflüssen	PD Dr. Wizemann
Jetter, Stefan	Ressourceneffizienz und Ressourceneffektivität: Die Notwendigkeit einer Kreislaufwirtschaft im Bausektor	Prof. Dr. Schulz
Rosenfelder, Madeleine	Entwicklung eines Ansatzes zur Quantifizierung der thermischen Bedingungen in Innenräumen	PD Dr. Wizemann
Vitt, Ronja	Entwicklung eines Ansatzes zur Quantifizierung der thermischen Belastung bei Nutztieren in Deutschland	PD Dr. Wizemann

**WINTER SEMESTER 2015/16**

<b>Name</b>	<b>Title</b>	<b>First Supervisor</b>
Rempp, Tobias	Abschätzung der Stickstoffversorgung eines Winterweizenbestandes mittels UAV basierter Multispektralanalyse	Prof. Dr. Wulfmeyer
Sommer, Axel	Effectiveness of the Polish Climate Coalition	External supervisor
Wagner, Matthias	Development of a Land Cover Classification and Crop Distinction Method Based on High-Resolution Satellite Data	Prof. Dr. Wulfmeyer

### SUMMER SEMESTER 2016

Name	Title	First Supervisor
Li, Qian	Remote Sensing of Vertical Wind Fluctuations in the Convective Boundary Layer	Prof. Dr. Wulfmeyer
Thellmann, Kevin	An Analysis of Land Use Change and its Driving Factors in the Naban River Watershed	Prof. Dr. Cadisch

### WINTER SEMESTER 2016/17

Name	Title	First Supervisor
Dahal, Prabhat Raj	Area of Glaciers and Glacial lakes in North-Eastern Nepal Studied with Landsat Imagery Between 1992 and 2015	Prof. Dr. Wulfmeyer
Ullrich, Matthias	Towards an Integrated Sustainability Assessment for Agrophotovoltaic	Prof. Dr. Lewandowsky
Wittum, Benjamin	Investigation of the Evolution of Severe Convection in South-Western Germany Applying WRF at Very High Resolution	Prof. Dr. Wulfmeyer

### SUMMER SEMESTER 2017

Name	Title	First Supervisor
Bulusu, Medha	Quantifying the Carbon Sequestration Potential of Agroforestry Systems in Kapuas Hulu	Prof. Dr. Cadisch
Ntownen, Manfred	Water and Energy Fluxes from a Photovoltaic Solar Park in Southwest Germany	Prof. Dr. Streck
Masserrat, Negar	Investigation of Dynamics in the Atmospheric Boundary Layer with a Scanning Doppler Lidar	Prof. Dr. Wulfmeyer
Werner, Aline	Modelling of Cover Crop Biomass and Nitrogen Loss in a Crop Rotation of Wheat and Maize	Prof. Dr. Thilo Streck
Wittum, Benjamin	Investigation of the Evolution of Severe Convection in Southwestern Germany Applying WRF at Very High Resolution	Prof. Dr. Volker Wulfmeyer

### WINTERSEMESTER 2017/18

Name	Title	First Supervisor
Topno, Anumeha	Generation of black carbon in Mediterranean shrubland soils during a wildfire and it's immediate quantification	Prof. Dr. Georg Cadisch
Lam, Andrew	To what extent does the thickness of the mineral soil layer covering a fen peat affect soil respiration?	Prof. Dr. Thilo Streck