



Collaboration: CSU-WATER and the University of Hohenheim, Germany

CSU-WATER and the 4C Collaborative will be hosting Dr. Christian Sponagel and Julian Börner, researchers from Hohenheim University September 24 thru October 3. The 4C 'Creating Climate Change Collaboration fosters collaborations to advance climate solutions and was established by the California State University Office of the Chancellor and the Ministry for Science, Research and Arts of the German state of Baden-Württemberg.

Our guest will be available for engagement with California Faculty and external partners to discuss common ground around climate-relevant themes. There will be office hours and meet-and-greet sessions available at the Fresno State Jordan Agricultural Research Center and a one day sponsored symposium with remote engagement with other German researchers on the [STRESS RES](#) project, which is a monitoring and modeling system for stress on groundwater resources.

Guest Bios



Dr. Christian Sponagel: I am an agricultural economist in the Institute of Farm Management, University of Hohenheim, Germany. My work focuses on ecological-economic land use modelling of agricultural systems to gain insight into the complex interactions between agriculture and the environment, such as biodiversity and climate change mitigation. In California, water management and adaptation of agricultural systems to climate uncertainty and drought is already serious. I look forward to an exchange of experiences between California and Baden-Württemberg to promote mutual learning and stronger future collaboration in research with academic and non-academic stakeholders.



Julian Börner: I am a Research Associate and Doctoral Candidate in the Institute of Farm Management, University of Hohenheim, Germany. I am an agronomist with a focus on plant production systems and agriculture. I work collaboratively in the field of agro-economic modeling using an adapted land use optimization model to estimate the interactions between drought, increased irrigation demand and groundwater abstraction. I'm interested in obtaining knowledge on the implementation of water-efficient and climate-adapted cropping systems, including intercropping and cover crops, irrigation systems in general, and cooperative collaborations with water management stakeholders who aim to improve groundwater quality.

If you would like to engage with our guest researchers, please contact Steve Blumenshine, Executive Director of CSU-WATER and point of contact at sblumens@mail.fresnostate.edu.

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