

OSTROM WORKSHOP RESEARCH SERIES

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Ostrom Workshop Visiting Scholar*

“Developing and Testing Comparative Statics for Appropriation and Provision Decisions in Common Pool Resource Settings for Improved Policymaking”



Wednesday, April 26, 2017

12:00 – 1:00 p.m. • Ostrom Workshop, 513 N. Park

Appropriation and provision are key human-environmental interactions affecting the sustainability of common-pool resources. In many real-world settings, existing governance arrangements link appropriation to provision requirements to balance costs and benefits. Recent empirical evidence for common property summer pastures in Switzerland suggests that appropriation and provision decisions are proportionally linked, and that farmers reduce the use of summer pastures, which leads to undesired landscape change. To better understand farmers' decisions in the context of resource underuse, we develop a formal model linking appropriation and provision decisions. We use comparative statics to derive testable predictions, which are then examined with regression analysis on empirical data. The regressions strongly support the predictions for the appropriation decisions, and provide some justification for the provision model. Based on these insights, we propose alternative policies for local and federal governance to adapt the incentive structure in the context of resource underuse.



Ivo Baur is a Postdoc Visiting Scholar at the Ostrom Workshop. His broader research interests focus around the use of common property pastures, farmers' decision making, and agricultural policies. While working at IU, Ivo will explore farmers' land use decisions and related environmental impacts for the case of Grindelwald, Switzerland. Ivo holds a PhD in Geography from the University of Munich (LMU) ([website](#)).

Presentations are open to the public (see our website for papers). You are welcome to bring your lunch. For questions, contact Allison Sturgeon (sturgeon@iu.edu; 812/855-3151).