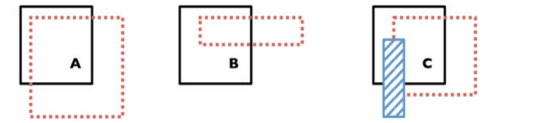
TEXAS TECH UNIVERSITY
Climate Science Center™

CSC Weekly News - 01/31/17

Decision Making

Three of our faculty members, Dr. Patricia Solís, Dr. Jennifer Vanos, and Dr. Robert Forbis recently published an article titled, *The Decision Making/Accountability Spatial Incongruence Problem for Research Linking Environmental Science and Policy*. This article focuses on understanding and overcoming an interesting methodological problem that occurs when scientists work with policymakers. They examined three cases to further explore the gap dividing researchers and policymakers. **LEARN MORE**



Representation of MAUP : geographic analysis of data from the thick black box can differ radically from analysis with boundaries depicted by the dashed-line (red) box, both ostensibly describing area "A".

Representation of UGCoP : geographic analysis of population area B using the thick black boundaries cannot fully account without uncertainty for all spatial behaviors of inhabitants who move across boundaries into areas depicted by the dashed-line (red) box, a source of contextual influences on area B.

Representation of DASIP : decisionmaker(s) with jurisdiction C depicted with thick black boundaries make decisions that impact locations in the dashed-line (red) bounded area, which can be incongruent with their jurisdiction. Furthermore, decisionmakers with jurisdiction C can be held accountable by only some constituents within the black box and can be made to answer to actors external to their jurisdiction, depicted by the shaded (blue) box.

Video Of The Week

Dr. Kerry Griffis- Kyle, CSC faculty member and Associate Professor of Natural Resources Management, was featured in an episode of "In The Field" produced by Tech's Office of the Vice President for Research. This episode features the research she is conducting in the Sonoran Desert in Arizona. The main focus of this research project is to look at the differences between natural and artificial tinajas and how they impact the wildlife that depend on them (Photo Credit: Joseph Drake). **WATCH NOW**