

The Center for Land Use and Sustainability at Shippensburg University helps people develop science-based solutions to interdisciplinary sustainability challenges. We are working to become a nationally recognized center of excellence that leverages the expertise of its faculty and staff, and provides students with opportunities to learn how to promote sustainable communities; land use; economic development; and cultural and natural resource management; at local, regional, and global scales. Dr. Claire Jantz is the Director of the Center.

<http://www.centerforlanduse.org>

The CLUS recently completed the first phase of its *Delaware River Basin Land Use Dynamics Project*. The phase involved producing very high-resolution maps of land cover for the entire basin, or watershed, and modeling three “*What if...?*” scenarios of future growth out to the year 2070. The maps were built using the best-available orthoimagery and LiDAR data as well as geospatial roads and buildings data provided by participating counties across all five states. The modeling work was informed by extensive communication with our steering committee, citizens and experts, and many stakeholder groups. The modeling results (Figure 1) and maps are being used now by our steering committee members, ordinary citizens, stakeholder groups, university and high school students, and some private firms. The CLUS accomplished this work with partners at the *University of Vermont Spatial Analysis Lab* and the *US Geological Survey*, and with generous support from the *William Penn Foundation*.

The CLUS is helping many people.

CLUS faculty and Shippensburg University students are providing support to local communities that are striving to earn *Sustainable PA Community Certification*. With support from the *Center for Rural Pennsylvania*, the CLUS is conducting an inventory of municipal historic preservation ordinances in PA along with the methods used by municipalities to protect historic resources. The Center for Land Use and Sustainability is also helping *Cumberland County, PA*, to gather and analyze public feedback about the latest draft of its comprehensive county plan.



Figure 1: Three scenarios of future growth in the Delaware River Watershed. The scenarios were driven by published county population and employment forecast data as well as a basin-wide storylines about future growth, which were developed in consultation with many stakeholders. View the interactive maps online @ <https://arcg.is/1neLqS>