



# Center for Land Use and Sustainability

SHIPPENSBURG UNIVERSITY

The Center for Land Use and Sustainability at Shippensburg University can offer consulting expertise in a variety of areas. Please contact our project coordinator, Antonia Price at [afprice@ship.edu](mailto:afprice@ship.edu) or 717-477-1519 for more information.

- Geographic Information Systems
  - General consultation
  - Land use/land cover change modeling
  - Geoprocessing analysis
  - Statistical techniques for spatial sciences
  - Spatial analyses of historical geography
  - Data development
  - Data processing and automation
  - Cartography and graphic design
- Global Navigation Satellite Systems (GLONASS)
  - Feature mapping and surveying
  - Global Positioning System (GPS)
- Physical and environmental sciences
  - Coastal processes and sea-level rise hazards
  - Restoration of shorelines in coastal areas
  - Geophysical studies
  - Subsurface analyses with GPR/EM for geological and archeological applications
  - Hydroclimatology
  - Streamflow and watershed-wide hydrologic assessments
  - Climate change
  - Urban climatology
  - Landscape ecology
- Land use planning, economics, and transportation
  - Planning primers and assessments
  - Smart growth audits
  - Small and medium-sized business information networks
  - Regional economic development and impact analysis
  - Airports and airlines and their networks
  - Trucking and warehousing

- Applied history and archaeology
  - Historic preservation
  - National registry listing
  - Cemetery restoration
  - Archeological surveys, including geophysical surveying (GPR/EM)
  - Urban, political, and environmental history
- Sustainable business practices
  - Socially sustainable business systems
  - Sustainable supply chain management
  - Environmental impacts of logistics systems
- Community sustainability
  - Sustainable Pennsylvania Community Certification
  - Community assessments of the social environment
  - Social and environmental justice
  - Experimental, cognitive, and perceptual psychology of sustainability
  - Food system analysis and mapping
  - Qualitative research design and data analysis
- Grant writing and project management