DR. CARLOS PORTILLO

Associate Professor,
Natural Resources Management

*My goal is to **create workflows** for monitoring key indicators of **ecosystem change** at relevant spatial and temporal scales for the end-user. I believe this is the only way we can transform maps into **real conservation actions** in the near future.*

RESEARCH EXPERTISE

- Local to regional spatial modeling of ecosystem vulnerability to anthropogenic threats
- Land cover and land use mapping
- Plant composition and vegetation structure mapping
- Tropical deforestation mapping and trend detection

PROFESSIONAL PREPARATION

- B.S. Universidad del Zulia, 2004
- Ph.D. University of Alberta, Canada, 2010

FAVORITE ARTICLE

Portillo-Quintero, C., Hernández-Stefanoni J. L., Reyes-Palomeque, G., & Subedi, M. R. (2021). The road to operationalization of effective tropical forest monitoring systems. *Remote Sensing, 13*(7), 1370. https://doi.org/10.3390/rs13071370

My favorite article is a recent one that I published with students and colleagues entitled “The Road to Operationalization of Effective Tropical Forest Monitoring Systems” published in the journal Remote Sensing last year. The article summarizes lessons learned for implementing remote sensing-based monitoring platforms in tropical forest reserves.

WHAT MAKES THE DAVIS COLLEGE GREAT?

The role of the Davis College as an interdisciplinary hub for education and research in sustainability is what makes it great. Helping society achieve sustainable production systems in balance with the environment is the goal of this century and is only through interdisciplinary collaboration and community engagement that we can make some real impact. The Davis College is the ideal place for those interactions and has been gaining unique growth towards that goal.