Dr. Jamon Van Den Hoek (www.conflict-ecology.org) in the Geography and Geospatial Sciences Program in the College of Earth, Ocean, and Atmospheric Sciences at Oregon State University seeks a Postdoctoral Scholar for a full-time, 12-month position with benefits, beginning as early as April 2024.

The Postdoctoral Scholar will work on an interdisciplinary project funded by the NASA Land-Cover/Land-Use Change Program that is focused on mapping the effects of armed conflict and forced displacement on regional landscape dynamics. Analysis of multi-sensor satellite image time series is the focal point of the project, but we also seek to deliver methodological innovations in deep learning of inter-annual land cover dynamics, mapping spatially-explicit people-pixel relationships, and integrating interview and satellite-derived data.

This position offers an excellent opportunity to pursue independent and mentored research, strengthen analytical and writing skills, and lead and co-author papers. Applicants with experience at the intersection of Earth observation and land cover classification and change mapping in humanitarian, conflict-affected, or displacement contexts are especially encouraged to apply.

Required qualifications for this position include:
- A Ph.D. in Geography or a related field completed or expected by position start date
- Expertise in land cover change mapping through time series analysis
- Excellent writing skills with a record of peer-reviewed scholarship
- Demonstrated ability to work independently and collaboratively within an interdisciplinary research team
- Proficiency with Python (ee, geemap) and JavaScript Earth Engine APIs
- Fluency in written and spoken English

Desirable qualifications include:
- Experience using satellite data to research food security, forced displacement, or armed conflict
- Experience with open (Sentinel 1/2, Landsat) and high resolution commercial satellite data
- Experience with using machine learning (PyTorch, TensorFlow) for satellite data analysis
- Experience with large volume geospatial data analysis and management (GeoPandas, DuckDB)

To apply, please email jamon.vandenhoek@oregonstate.edu (subject line: "NASA Project Postdoctoral Application") with the following materials in a single PDF:
- 1-2 page cover letter describing qualifications and specific interests related to the position
- Curriculum vitae
- Contact information for three professional references
- Two representative published manuscripts authored or co-authored by the applicant

For full consideration, applications must be received by **Friday, 12 January 2024**. Screening will begin immediately. Additional supporting documentation may be requested from finalists for this position.