The Natural Resource Ecology Laboratory seeks a Statistician for work on a cooperative agreement with the US Department of Agriculture (USDA) to conduct advanced statistical analyses.

The researcher will work with statisticians and subject-matter scientists in designing, implementing and evaluating a complete imputation methodology for the Conservation Effects Assessment Project (CEAP), a survey of farm operators obtained by subsampling the National Resources Inventory (NRI). The NRI is a longitudinal, probability-based survey of land use, condition and trends on non-federal lands in the United States, and is conducted by the Natural Resources Conservation Service of the USDA. The imputed CEAP will have immediate use at Colorado State in improved process modeling for greenhouse gas inventory and analysis. The imputed CEAP is also expected to be used widely in environmental studies of erosion, wetland conservation, and wildlife habitat restoration, to name a few.

The researcher will work as part of a team of statisticians and subject-matter scientists from CSU and USDA to identify essential CEAP data elements and appropriate NRI predictors, particularly as related to ongoing process-based modeling for greenhouse gas inventory that is conducted at CSU in collaboration with USDA. The team will further interact to develop appropriate imputation methods, to implement these methods efficiently, to assess uncertainty in the imputed data set, to evaluate the quality of the imputed data set, and to produce peer-reviewed documentation and manuscripts of the methodology.

To apply and view a full position description, please visit: [http://jobs.colostate.edu/postings/28517](http://jobs.colostate.edu/postings/28517). To receive full consideration, applications must be received by November 30, 2015, but the position will remain open until filled.

CSU is an EO/EA/AA employer and conducts background checks on all final candidates.