PRISM: An Analytical Tool for Forest Plan Development

Authors : Dung Nguyen, Yu Wei, Eric Henderson

Abstract : Analytical tools have been used for decades to assist in the development of forest plans. In 2016, a new decision support system, PRISM, was jointly developed by United States Forest Service (USFS) Northern Region and Colorado State University to support the forest planning process. Prism has a friendly user interface with functionality for database management, model development, data visualization, and sensitivity analysis. The software is tailored for USFS planning, but it is flexible enough to support planning efforts by other forestland owners and managers. Here, the core capability of PRISM and its applications in developing plans for several United States national forests are presented. The strengths of PRISM are also discussed to show its potential of being a preferable tool for managers and experts in the domain of forest management and planning.

Keywords : decision support, forest management, forest plan, graphical user interface, software
Conference Title : ICFSM 2023 : International Conference on Forest Science and Management
Conference Location : New York, United States
Conference Dates : April 24-25, 2023