Data Analyzer and Climate:

The FSVeg Spatial Data Analyzer (DA) application is a GIS application for project and landscape-level analysis. The DA incorporates the Forest Vegetation Simulator (FVS) as the primary modeling tool to model current and future conditions for forest landscapes on US Forest Service lands.

The application was recently upgraded to allow usage of up to 17 global climate models (GCM’s) developed for the Western variants of FVS. One or many climate models can be used for analysis in each alternative. The user now has the ability to compare current and future data results from non-climate vs. climate model alternative runs. The climate data impacts growth, yield and mortality for all species in the western variants. The climate data also has impacts on fire and fuels modeling and regeneration.

The application includes a well-tested imputation technology which allows population of the entire landscape of forested stands with detailed stand exam data. The entire landscape can then be evaluated for all alternatives and climate scenarios.

The DA provides for quick and efficient climate modeling in projects and across landscapes resulting in a variety of future conditions for the entire landscape for each alternative.