Progress Report

Assessing and mapping regional variation in potential site carrying capacity

CAFS19.76

Mark Kimsey, University of Idaho
Cristian Montes, University of Georgia
Rachel Cook, North Carolina State University
Douglas McGuire, Oregon State University
Eric Turnblom, University of Washington
Aaron Weiskittel, University of Maine
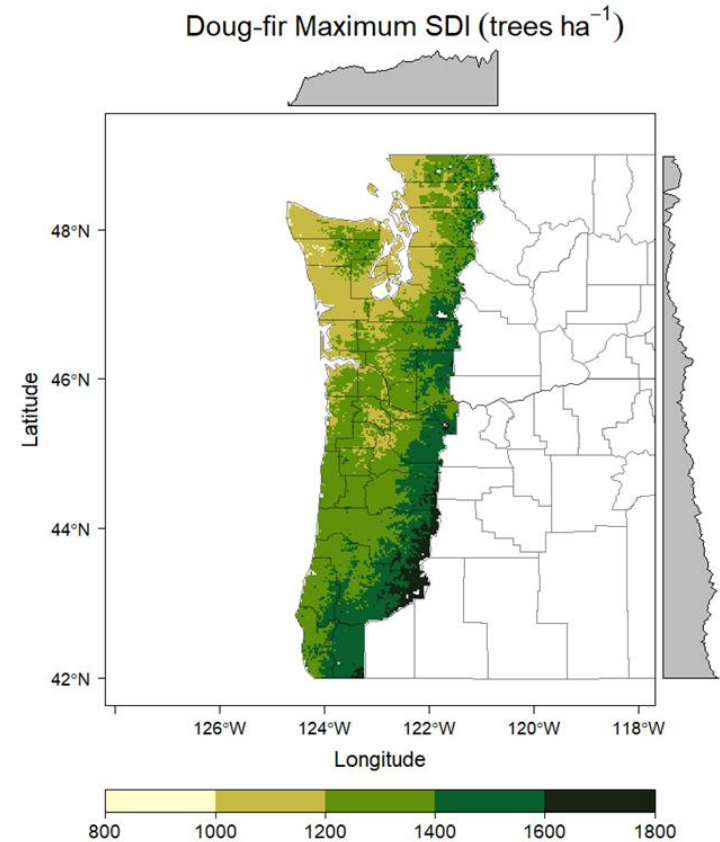
Presenter: Mark Kimsey

OBJECTIVE:

Develop Regional Site-Sensitive, Mixed Species SDImax Models

Optimize forest stocking relative to:

- Site
    - Climate
    - Geography
    - Soil parent material
- Stand
    - Species mixing
        - Shade/drought tolerance
        - Specific gravity
    - Size/Stocking

Doug-fir Maximum SDI (trees ha^{-1})

Data Collection

- Northeast Region

    - Comprehensive site/inventory data provided by Weiskittel

    - Inventory records provided by Hancock Forest Management

- Southeast Region

    - Inventory plot records provided by:

        - Hancock Forest Management and PotlatchDeltic

        - Enhanced soil parent material database provided by Rachel Cook (FPC)

- All Regions

    - Nearing CUI agreement between UI and FIA to obtain all unfuzzed FIA coordinates across the US

Database Development

- Draft version developed by Cen Chen

- Final version waiting on completion of FIA agreement

Analyst Update

- Ryan Heiderman recruited to UW-Madison

- IFC is looking to leverage CAFS membership to obtain a 2-yr fully funded Research Associate through UI research investment funds

  - Fully supported and advocated by CNR Dean

Get the heck going …………………..