Under Development to be Available to All!

A workflow and tools to perform a Quantitative Wildfire Risk Assessment (QWRA) from the project to the unit scale is under development in IFTDSS. The process follows the steps outlined in GTR-315, “A wildfire risk assessment framework for land and resource management.” IFTDSS is unique in that it will contain a comparison functionality allowing users to complete a QWRA and then compare treatment alternatives to understand the impacts to your area and the effects of risk mitigation actions.

- Create and edit Landscapes directly in IFTDSS
- Characterize Highly Valued Resources or Assets (HVRAs) - choose from the National HVRAs, upload local HVRA shapefiles or use nationwide data from IFTDSS.
- Landscape Burn Probability is completed with a customized version of FlamMap developed specifically for use in IFTDSS
- Automated Exposure Analysis and QWRA calculations. Map products, reports containing summary tables and charts, and downloadable data to be used in further analysis outside of IFTDSS if needed
- Use IFTDSS to compare different fuel treatment alternatives to evaluate impacts to your area with changes in modeled fire behavior, exposure analysis and the QWRA.
Development Phases of Quantitative Wildfire Risk Assessment (QWRA) in IFTDSS

- **July 2019** - Landscape Burn Probability model and accompanying reports released to users in the IFTDSS Playground

- **October 2019** - Map Values Workflow released to map Highly Valued Resources or Assets (HVRAs)

- **Winter -Spring 2020** - development of the Exposure Analysis allowing users to map values and visually/quantitatively assess exposure to HVRAs

- **Spring - Fall 2020**
  - QWRA response functions and relative importance will be designed, developed and implemented for Risk Calculations

  - Portions of each phase will be incrementally released as they are completed throughout the summer and fall of 2020

For More Information

For more information about Risk Assessment in IFTDSS contact the IFTDSS Team.

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