Supplementary material

Applications of simulation-based burn probability modelling: a review

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Burn probability modelling literature list

We assembled much of the literature demonstrating burn probability simulation modelling applications (133 references) and categorized it by analyses performed (‘analysis type’) and the simplified purpose of the analysis (‘analysis purpose’). The list below should be a useful reference for users looking for more detailed information on applications and methodology. Because many authors perform multiple analyses, a single reference may appear in multiple categories. Though we acknowledge that some papers may have been missed in our literature search, we attempted to make it as comprehensive as possible as of the time of submission (August 2019).

Analysis types

Direct assessment of outputs


**Polygon-based summarizations**


**Firesheds**


**Risk transmission**


Scott JH, Thompson MP, Gilbertson-Day JW (2016) Examining alternative fuel management strategies and the relative contribution of National Forest System land to wildfire risk to...

**Source-sink dynamics**


**Hazard**


**Risk**


**Secondary models**


Analysis purpose

Carbon budgets


Climate change


Riley KL, Loehman RA (2016) Mid-21st-century climate changes increase predicted fire occurrence and fire season length, Northern Rocky Mountains, United States. *Ecosphere* 7(11), e01543. doi:10.1002/ecs2.1543.


Community exposure


*Conservation management/ forest restoration*


**Fuel treatments**


**Ignitions management/ suppression policies**


**Resource prioritization/ tradeoffs**


**Retrospective**


**Sensitivity analyses**


**Timber harvest**


**Watersheds**


