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Wildfire fuel management: network-based models and optimization of prescribed burning

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PII: S0377-2217(17)30591-X
DOI: 10.1016/j.ejor.2017.06.050
Reference: EOR 14532

To appear in: *European Journal of Operational Research*

Received date: 18 October 2016
Revised date: 9 May 2017
Accepted date: 21 June 2017

Please cite this article as: Dmytro Matsypura, Oleg A. Prokopyev, Aizat Zahar, Wildfire fuel management: network-based models and optimization of prescribed burning, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.06.050

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Highlights

- Wildfires are a real problem that has a major impact on people and the environment
- The intensity and severity of wildfires can be reduced via prescribed burning
- We develop an optimization framework for spatial allocation of prescribed burning
- Graph-theoretical concepts are exploited in our optimization objectives
- Computational experiments with real and synthetic data are presented

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