

## Remote sensing-based prediction of forest fire characteristics

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## Propositions

Accompanying the dissertation

# Remote sensing-based prediction of forest fire characteristics

by

Carmine MAFFEI

1. It is impossible to design a perfect spectral index of live fuel moisture content (chapter 5)
2. Remote sensing observations of land surface temperature anomalies and of live fuel moisture content are always independent (chapter 7)
3. Prediction of fire danger requires casting of deterministic remote sensing observations in a probabilistic dimension (this dissertation)
4. Fire characteristics can be estimated without observing the fire (chapter 6)
5. Increasing anthropic activity is an effective means to decrease global burned area
6. The “customer is always right” expression is good for the identification of user requirements but is unethical
7. New technical nomenclature leads more often to confusion than to precision
8. Despite wood pellets being renewable they do not help advancing towards a greener world
9. From a very rich dataset any conclusion is possible
10. The integral of velocity over time is a shortcut for measuring athletic performance, not familiarity with mathematical analysis

These propositions are regarded as opposable and defensible, and have been approved as such by the promoters Dr. R.C. Lindenbergh and Prof.dr. M. Menenti.