



3) Introduction and analysis of fuel models

Readings for the trainee are the following:

- Scott, Joe H.; Burgan, Robert E. 2005. Standard fire behavior fuel models: a comprehensive set for use with Rothermel's surface fire spread model. Gen. Tech. Rep. RMRS-GTR-153. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 72 p.
https://www.fs.fed.us/rm/pubs/rmrs_rp004.pdf
- Anderson, Hal E. 1982. Aids to determining fuel models for estimating fire behavior. USDA For. Serv. Gen. Tech. Rep. INT-122, 22p. Intermt. For. and Range Exp. Stn., Ogden, Utah 84401.
https://www.fs.fed.us/rm/pubs_int/int_gtr122.pdf

PART 2 – Possibility of execution of fire simulation for a case study in the Republic of Serbia

Trainee will perform the following:

- Discussion with the trainee regarding the possibility of execution of fire simulation for a case study in the Republic of Serbia.
- Research of the existence of publicly available data in the Republic of Serbia necessary for performing the fire simulation
- Research of companies in the Republic of Serbia that would be a potential source of necessary fire simulation data
- Defining the criteria for the case study in the Republic of Serbia such as: selection of the settlement, the population of the settlement, a network of potential routes for evacuation of the population, the distance and geographical location of the settlement in relation to the neighboring forest, the existing data on fires in the previous years for the selected settlement, etc.
- Based on the discussion and research conducted in this part of the training program, upon returning to Serbia, further steps will be taken with the aim of the realization of a case study in the Republic of Serbia.

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