

WRF-Fire Applied in Bulgaria

N. Dobrinkova, G. Jordanov, J. Mandel

WRF-Fire is a coupled atmosphere-fire behavior module of WRF (Weather Research and Forecasting Model) based on the NCAR atmosphere model equivalent to the MM5 model. WRF-Fire can be used either for research or operational system for fine calculations. In this paper we are focused on the research opportunities of the module applicable for description of a fire behavior by modifying the open source of the tool. The tool is not officially released by NCAR and a small number of the fire research community is testing it. That is why the modifications are still possible with the source code.