



CNRM, UMR 3589

SEMINAIRE CNRM

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HOW DO WE USE REMOTE SENSING AND LAND SURFACE MODEL SURFEX SIMULATIONS TO PREDICT VEGETATION FUEL LOAD ?

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en salle Noilhan

Lien webex : [https://meteo.webex.com/metefr/j.php?
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Résumé :

The study uses information from remote sensing and surface models to improve the surface vegetation representation over Portugal, especially, fuel load and moisture content. The work has consisted of the Meso-NH atmospheric model used to generate the surface configurations required for forcing the SURFEX surface model. All model output variables were used as predictors to estimate vegetation fuel moisture content, creating a model using a machine learning approach. In-situ fuel moisture content data obtained through fieldwork and derived from the remote sensing model were used for intercomparison. The results obtained by this study are crucial for understanding intra-annual vegetation variability.