

# Dempster-Shafer theory of evidence: A new approach to spatially model wildfire risk potential in central Chile

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© 2017 Elsevier B.V. A spatial modeling was applied to Chilean wildfire occurrence, through the Dempster-Shafer's evidence theory and considering the 2006-2010 period for the Valparaiso Region (central Chile), a representative area for this experiment. Results indicate strong spatial correlation between documented wildfires and cumulative evidence maps, resulting in a powerful tool for future wildfire risk prevention programs.