

# **Ecosystems monitoring: MODIS land products generated in CONABIO**

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The main goal of CONABIO (National commission for biodiversity of Mexico) is to promote, coordinate support and carry out activities aimed at improving our understanding of biological diversity, as well as its conservation and sustainable use for the benefit of society.

The aim of the "ecosystems Monitoring" program consists of the analysis of the detected changes -both in quality and quantity- and the analysis of the distribution of vegetation through an enhanced methodology using remote sensing techniques, computing and statistics. One of the last products of this program is the fire risk propagation map based on NDVI anomalies, this product indicate vegetation water stress conditions and therefore a high probability of propagation of a wildfire, the availability of the MODIS data has been a crucial factor for the generation of these time-series.

The generation of VCF (Vegetation Continuous Fields) for direct broadcast stations receiving MODIS data will be a very useful tool to use in vegetation monitoring due the capabilities of this product to determinate 3 components, tree, shrub and bare soil for each single pixel.

The present paper describes the develop of the mentioned applications previously and the future of the programs for the monitoring of the biodiversity in Mexico.