Developing a Wildfire danger index based on the satellite-derived parameters

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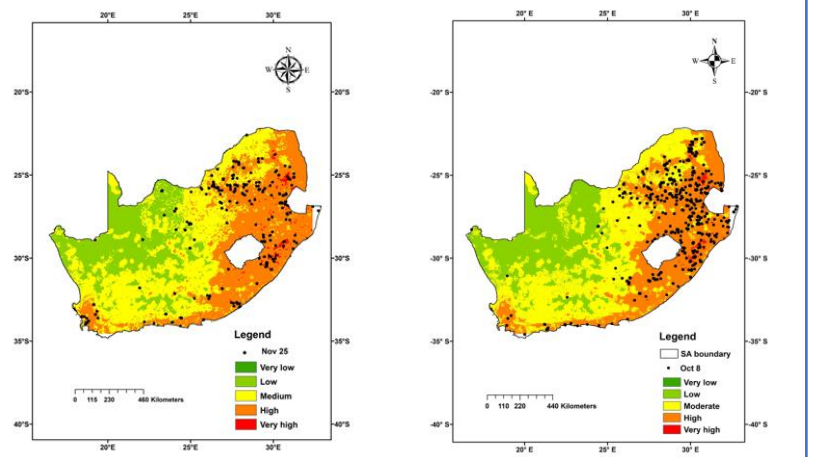
SEEC - Statistics in Ecology, Environment and Conservation

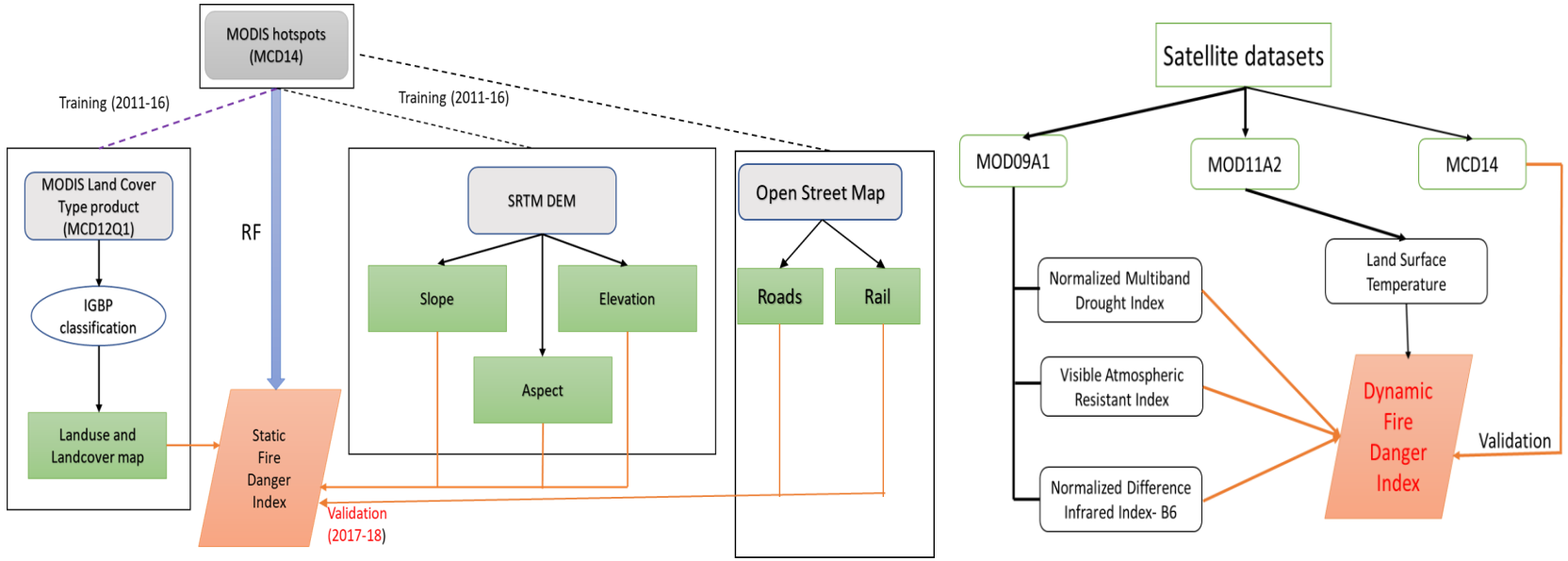
Objective

- To develop a wildfire danger index based on static and dynamic factors from satellite-derived products.
  - Static fire danger index
  - Dynamic fire danger index
  - Wildfire danger index

Results



Methodology



Wildfire Danger Index (WDI) = SFDI + DFDI

Conclusions

The Wildfire Danger Index (WDI) can be useful for disseminating daily fire danger maps on near real-time basis using the MODIS TERRA Near Real-Time datasets so that the fire officials to take necessary actions to control the spread of wildfires.