

DESERTIFICATION IN BRAZIL: CURRENT CLIMATE AND FUTURE CONDITIONS

RACHEL SCRIVANI

rachelscrivani@gmail.com

Feagri - University of Campinas (Unicamp), Campinas, Brazil

03 – 15 July 2017, São Paulo, Brazil

Motivation

Practical and real importance of early identification of areas in process of and susceptible to desertification in Brazil, in the current and future climates.

Goal

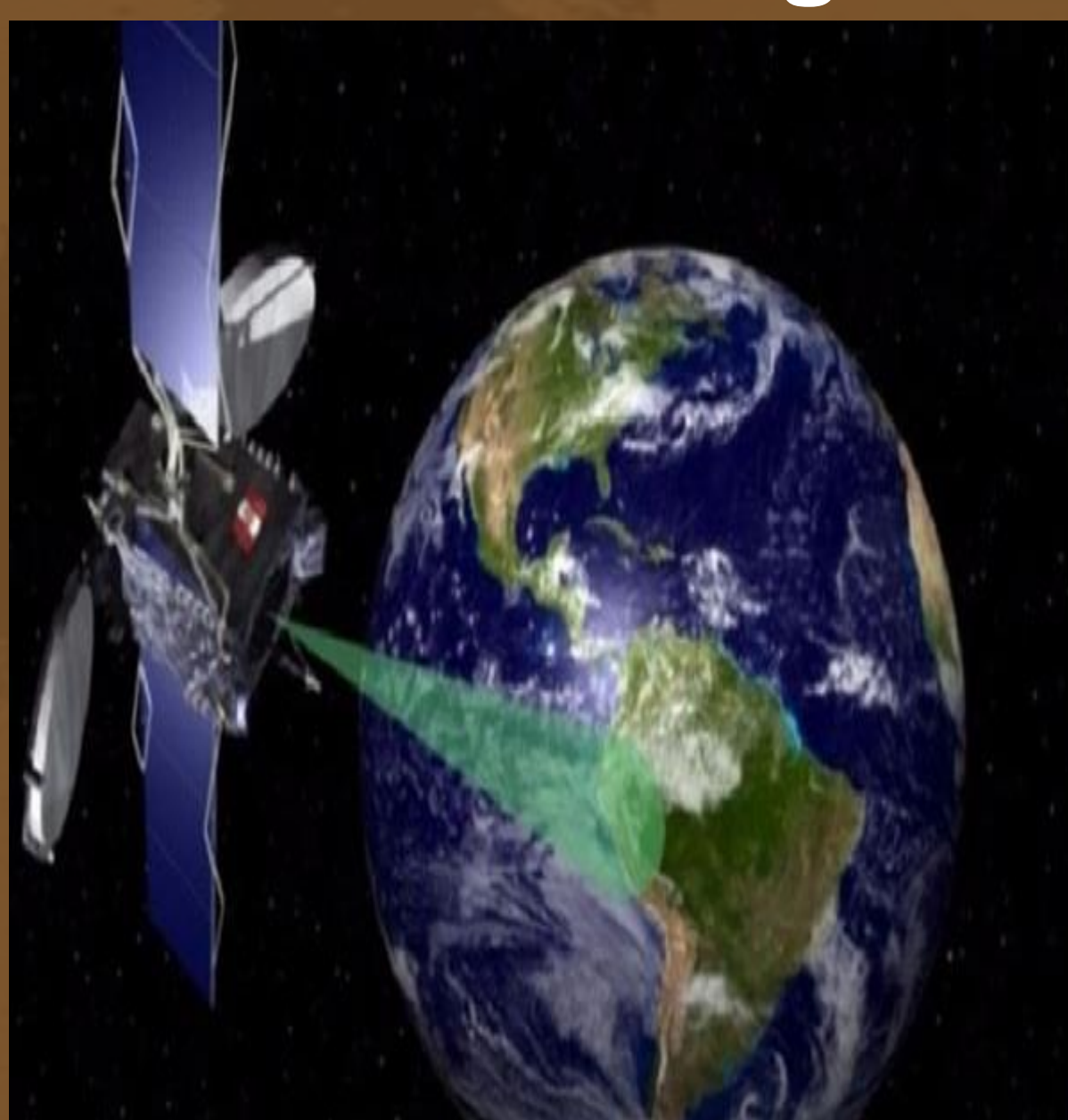
Develop a new hybrid drought index based on the VegDRI, adapted to tropical conditions and integrating remote sensing, climate and biophysical data.

Study Area



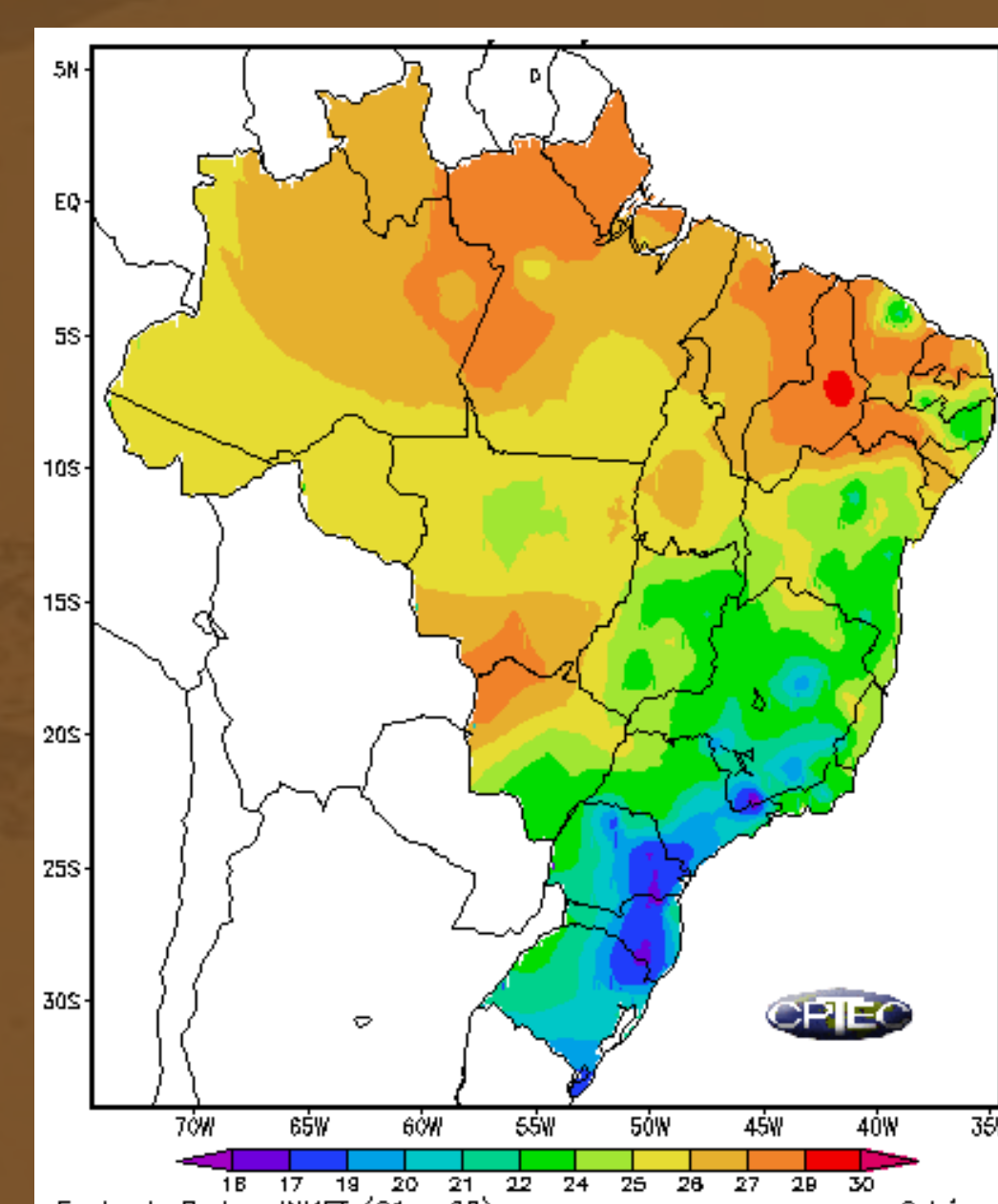
Material and Methods

Remote Sensing Data

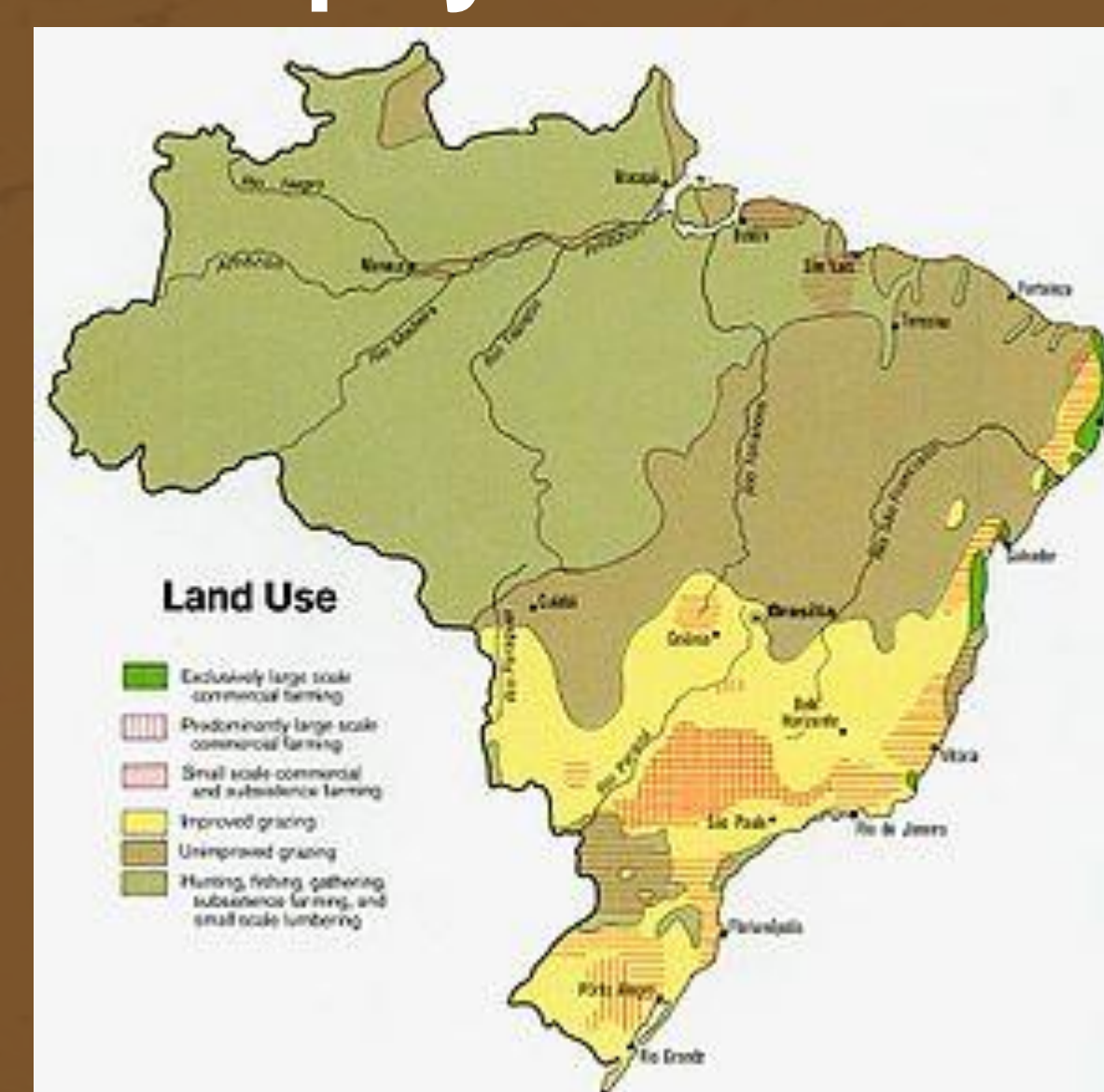


Modis 1km
Modis 250m
GOES-R 500m
Landsat

Climate Data



Biophysical Data



**Regression
Tree Model**

Maps