

# Simulations for MT and Brazilian Legal Amazon

August 27, 2025

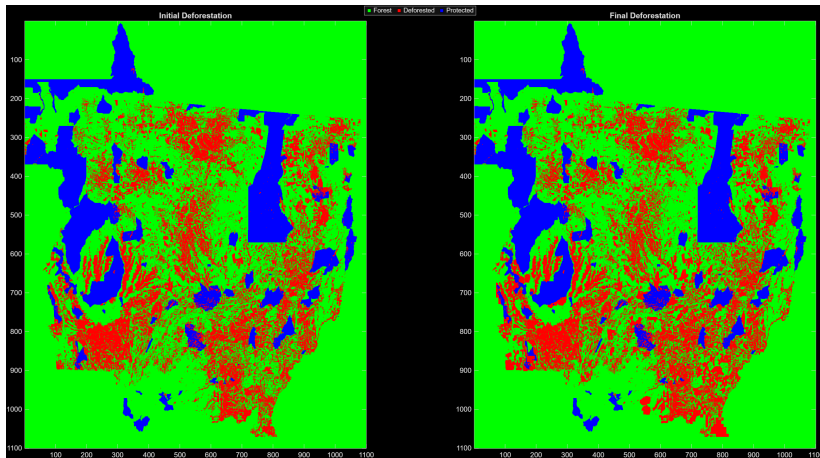
## New stuff

- ▶  $A_n$ ,  $S_n$  and  $L_n$  correspond to the real data
- ▶ For  $S_n$ , we are using `land_use == agri` in the MapBiomes dataset Jialing prepared.
- ▶ Everything with 0.01 by 0.01 resolution: approx. 1.1km by 1.1km.

**Table:** Time are per period iteration in my computer (32Gb of Ram).  
Acropolis is less than 4 times faster.

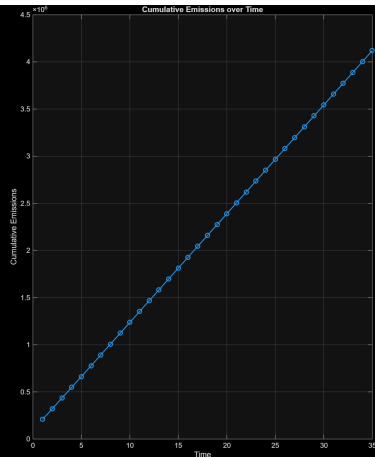
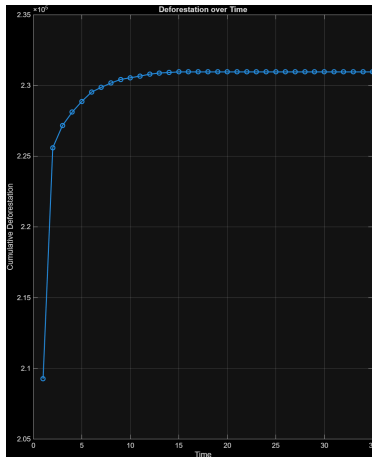
Exercise	Time	N cells
MT	~ 9s	~ 1MM
Legal Amazon	~ 24s	~ 7MM

# Exercise MT

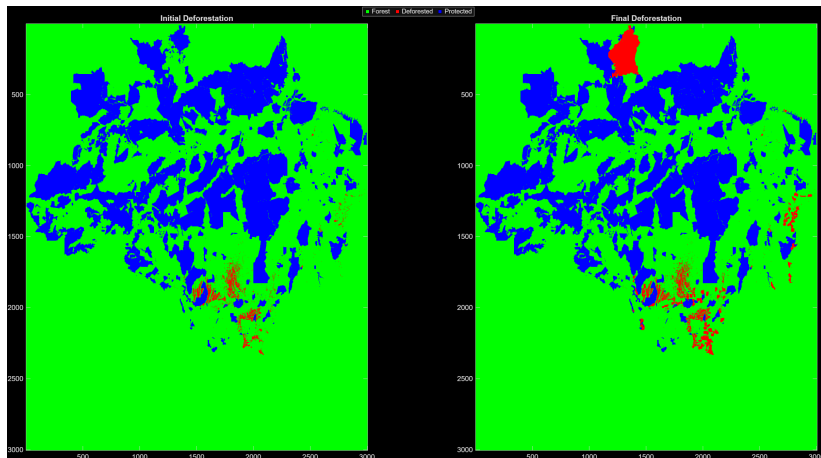


- Agribusiness here is agri and pasture on MapBiomes (needs to be changed).

# Exercise MT



# Exercise Legal Amazon



# Exercise Legal Amazon

