









Mozambique









Challenges for forest monitoring in Mozambique



- Miombo woodlands
 - Open forests
 - Deciduous
 - Frequent wildfires
- Small-scale shifting agriculture







Drivers for developing annual mapping of deforestation

- 1. Updating National GHG Inventory LULUCF
- 2. Monitoring FCPF Zambézia Emissions Reduction Program
- 3. Generate estimates of deforestation at provincial and district level for management purposes
- 4. Key indicator for rural development projects of the World Bank









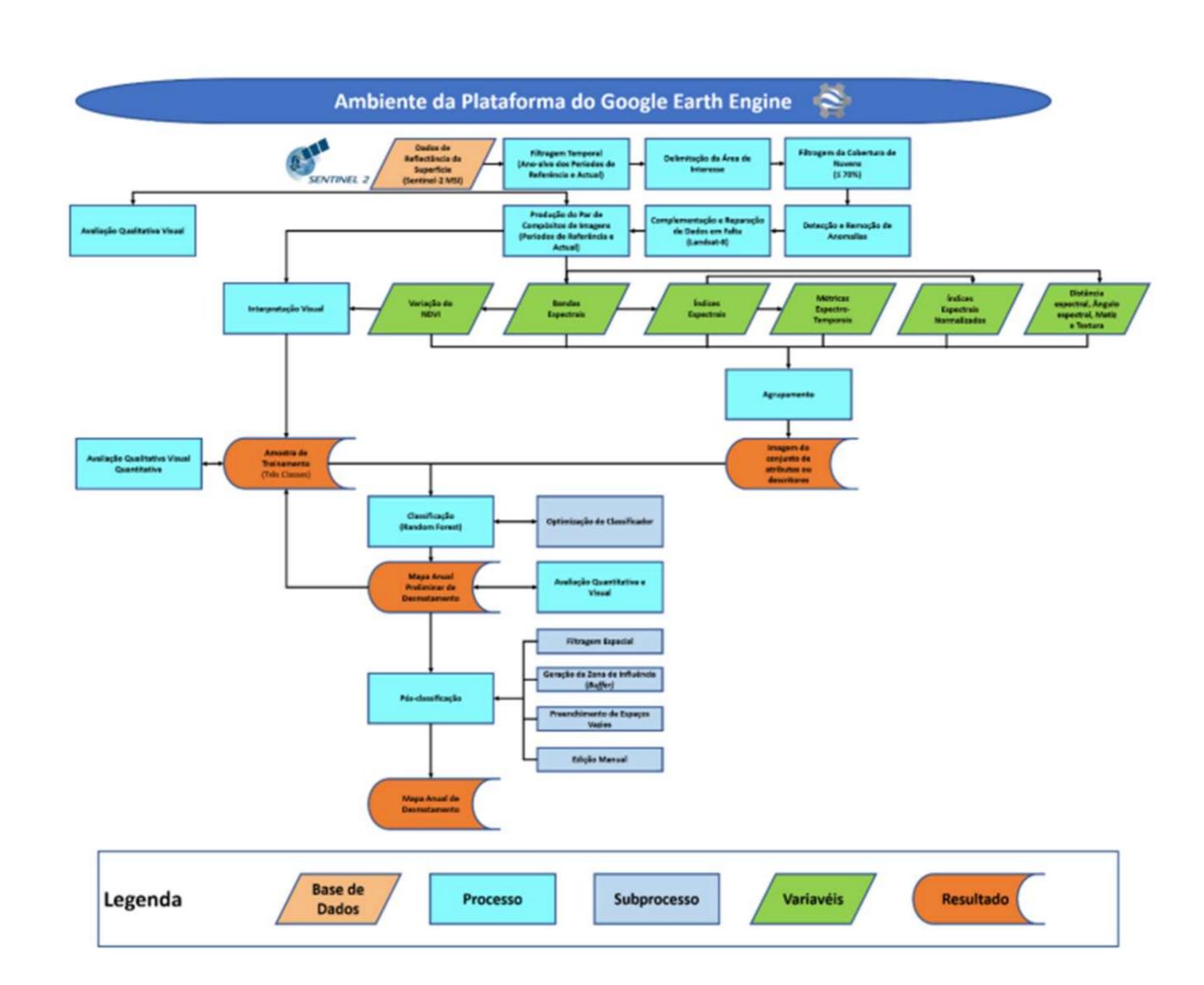
Annual forest monitoring tool

Map production

- Google Earth Engine Platform
- Using Sentinel-2 imagery
- Random forest classifier

Sample-based area estimation

- Statistically robust estimates of area
- Validation using Planet, Sentinel-2 and Google Earth satellite imagery





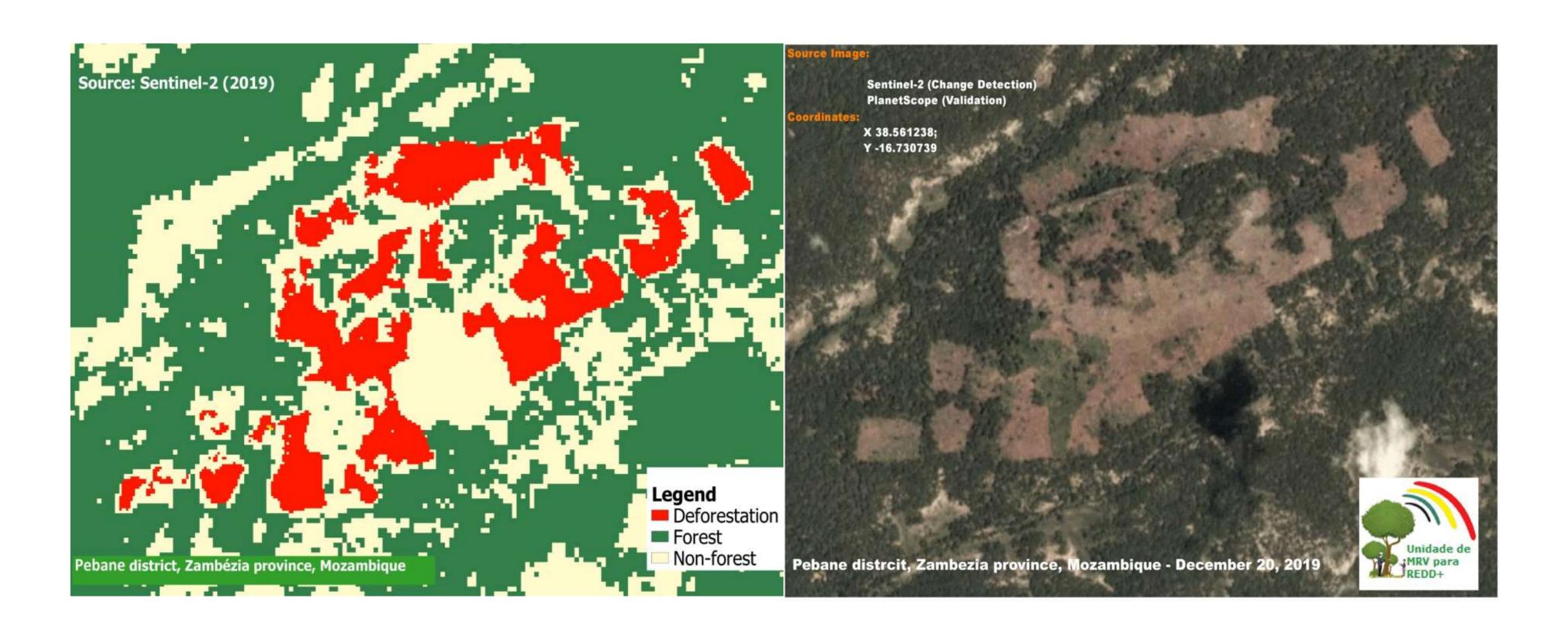






Annual forest monitoring tool (2)





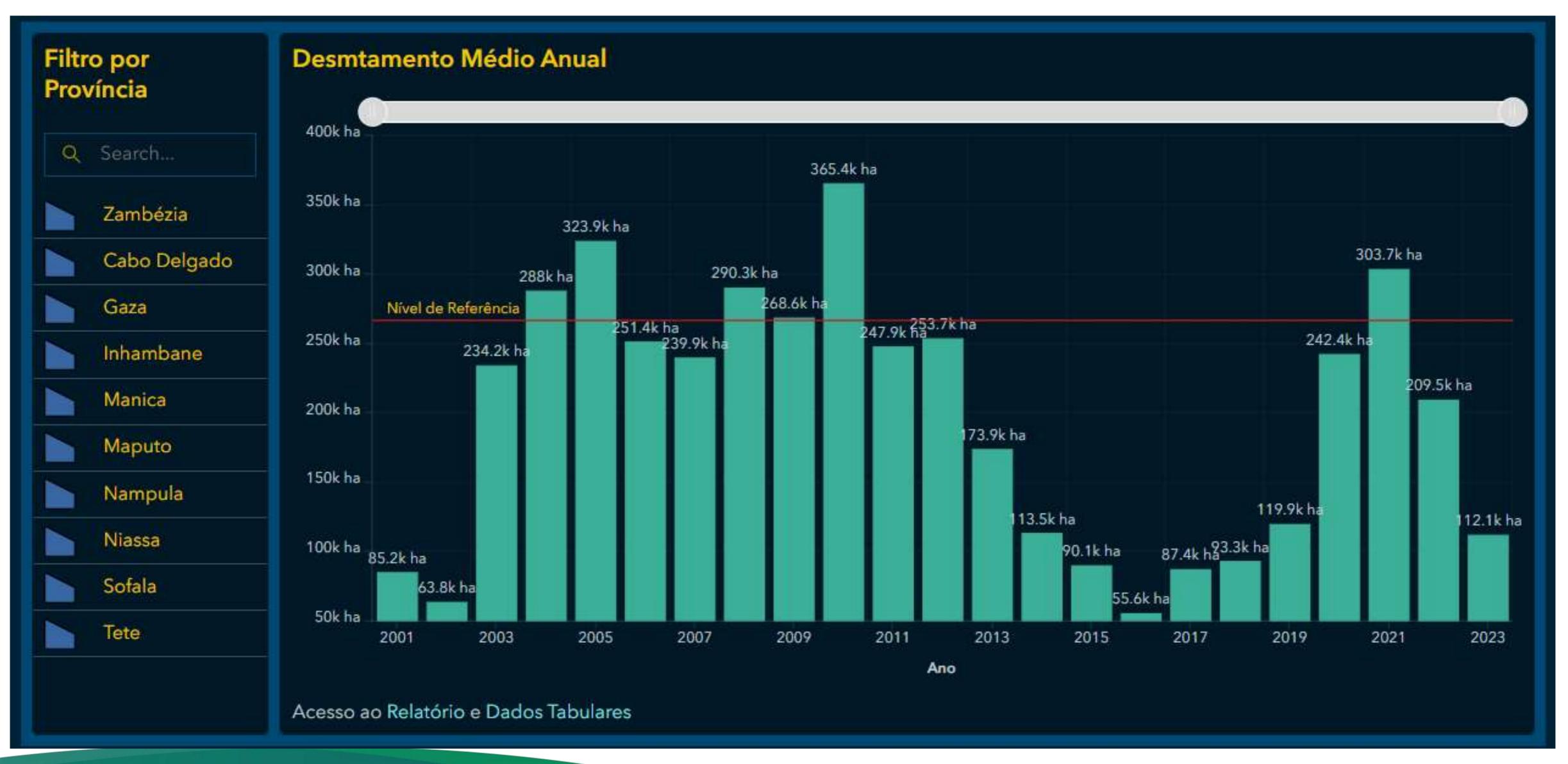








Deforestation statistics web portal









Results of forest monitoring system for REDD+ reporting

2018 2020 2022 2024 •1st FREL •2nd BUR REDD+ •1st BUR REDD+ •1st Monitoring Report for Technical Technical submission FCPF ER Annex annex Program • 2nd MR for •3rd MR for FCPF ER FCPF ER Program Program





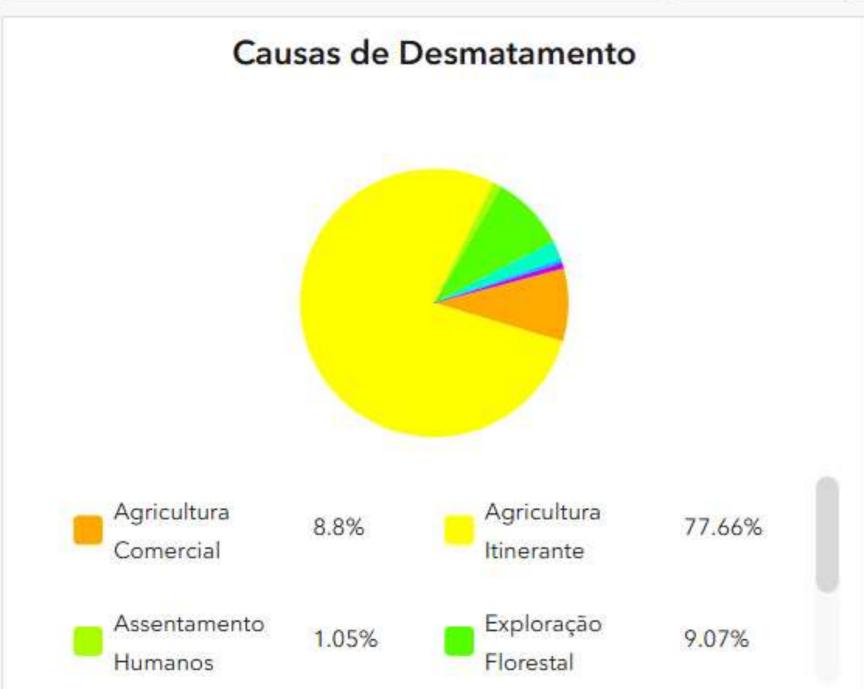


Pontos Verificados

84

















Conclusions

- Establishment of a national MRV team capable of monitoring forests was key
- Monitoring system allows generation of data for both national LULUCF inventory and jurisdictional REDD+ reporting
- Application of international best practices enabled a system that could pass both UNFCCC technical reviews but also validation and verification by international auditing firms
- Freely available imagery (Sentinel 2 ESA, Planet NICFI) and tools (Google Earth Engine, Collect Earth – FAO) allowed for cost-effective monitoring system







Visit us: http://www.fnds.gov.mz/mrv/





MRV

ACTIVIDADES

GALERIA

DOCUMENTOS

PLATAFORMA GEOESPACIAL

LINKS ÚTEIS

