

Copernicus Data for Mapping Shifting Cultivation Dynamics in Conservation Areas of Mozambique (SEN4MOZ)

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- Rural Communities in Mozambique historically rely on shifting cultivation (SC) as a key livelihood strategy.
- SC is an ancestral practice, key to ecosystems regeneration and biodiversity conservation.
- However, modifications SC regimes may cause adverse effects on biodiversity and carbon storage, especially around protected areas (PA).
- Balancing land use and biodiversity conservation in PA requires spatially explicit information on the extent and dynamics of shifting cultivation.

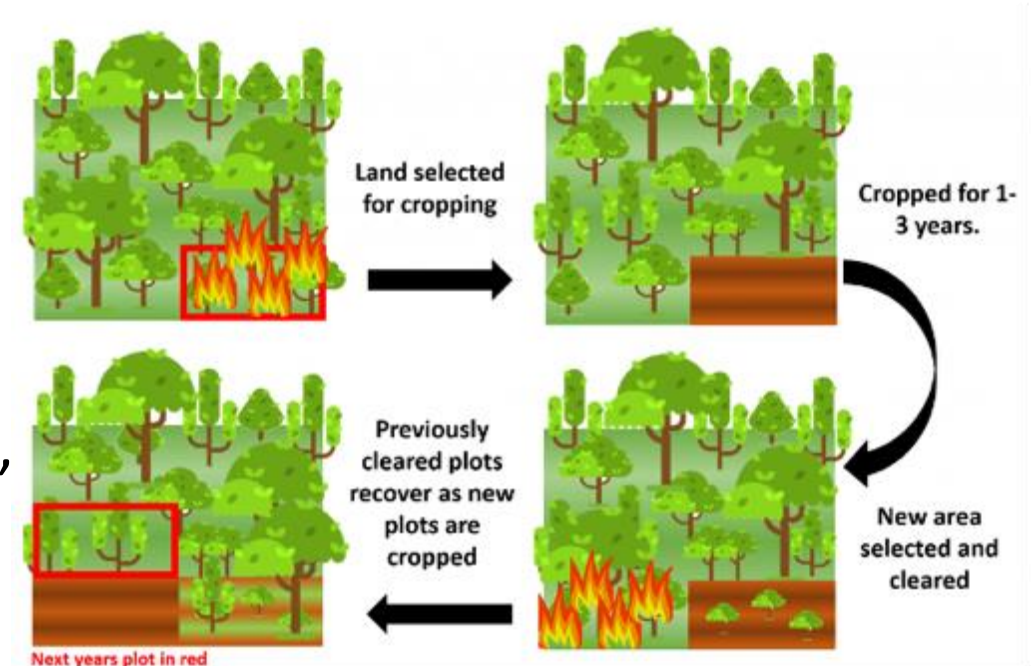
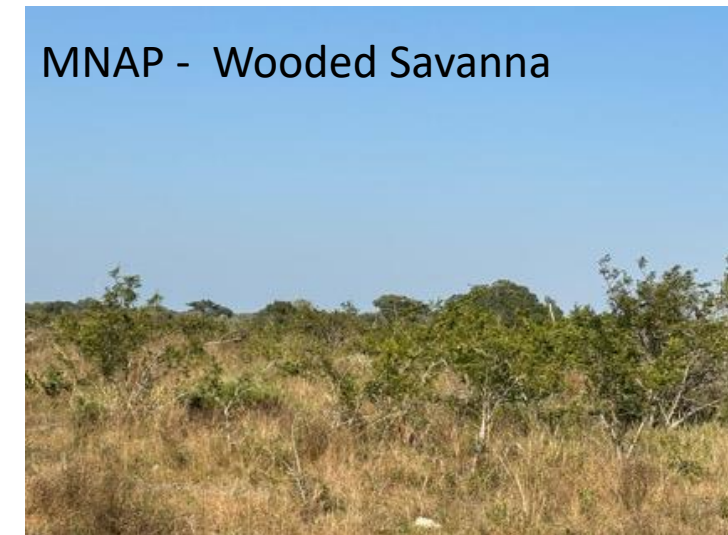
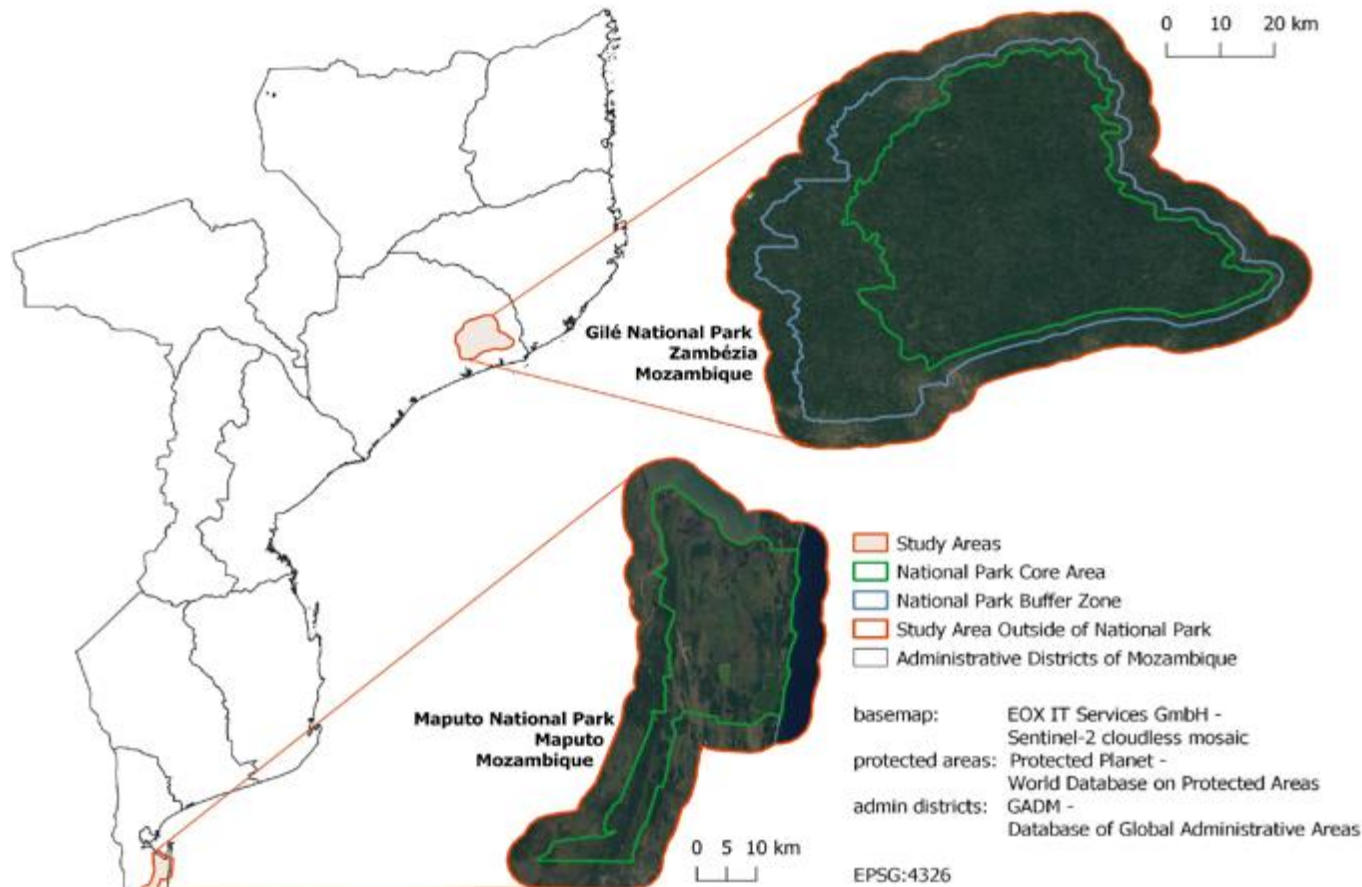




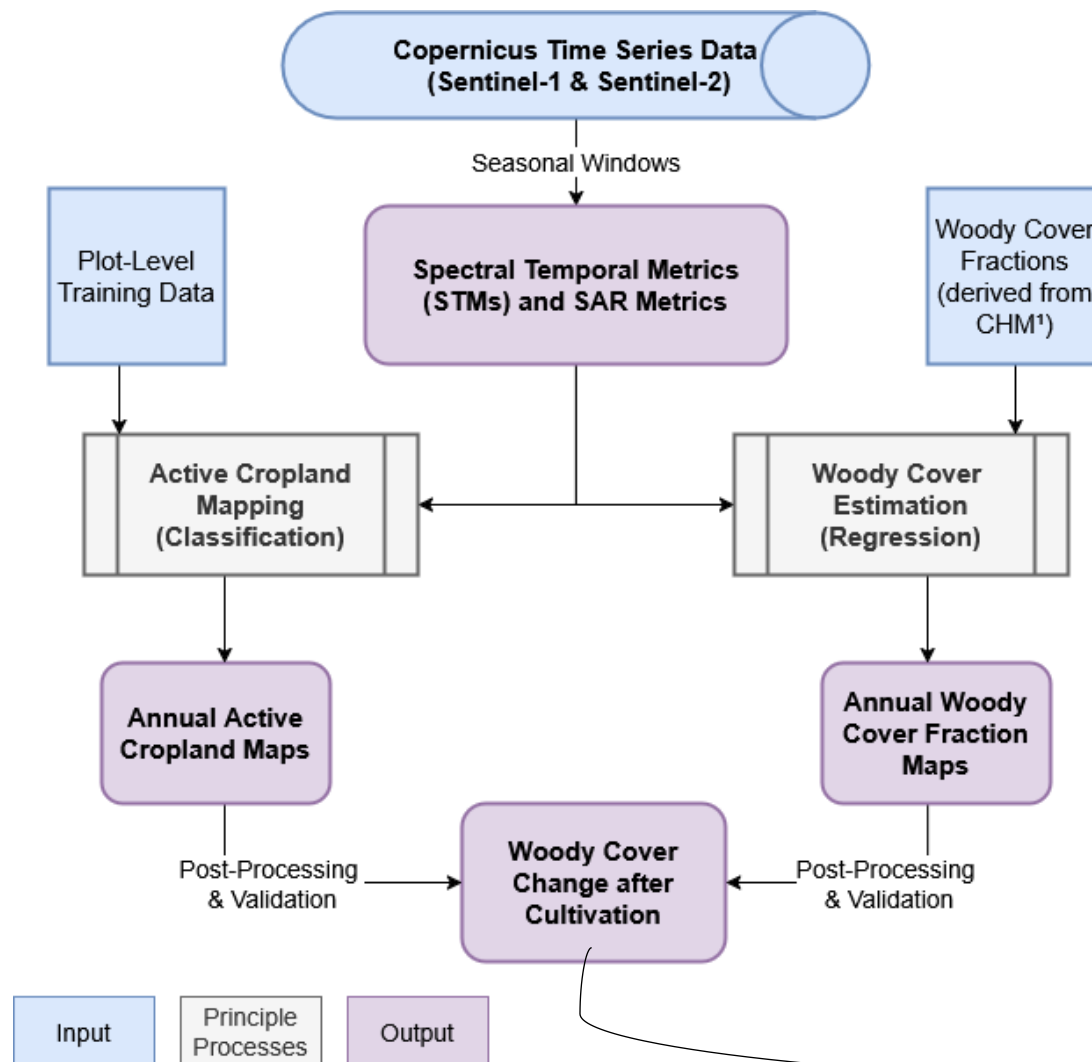
Photo credit: N. Ribeiro

Goal: Supporting the *dialogue between protected area managers and local communities* using Copernicus data.

- ***Develop a transferable workflow*** for mapping shifting cultivation dynamics and regrowth in PA of Mozambique between 2019-2025;
- ***Produce annual maps of active cropland*** to obtain ***estimates of land use trajectories*** within PA and their surroundings;
- ***Map post-deforestation vegetation dynamics*** for quantifying woody cover loss and regrowth rates after agricultural use.



Workflow for SEN4MOZ project



Poster : B.02.05 - POSTER,
Wed 25.06.2025 at 17:45,
Room X5 – Poster Area –
Zone R

Unique contribution
to understand SC
dynamics in SSA

Thank you!

