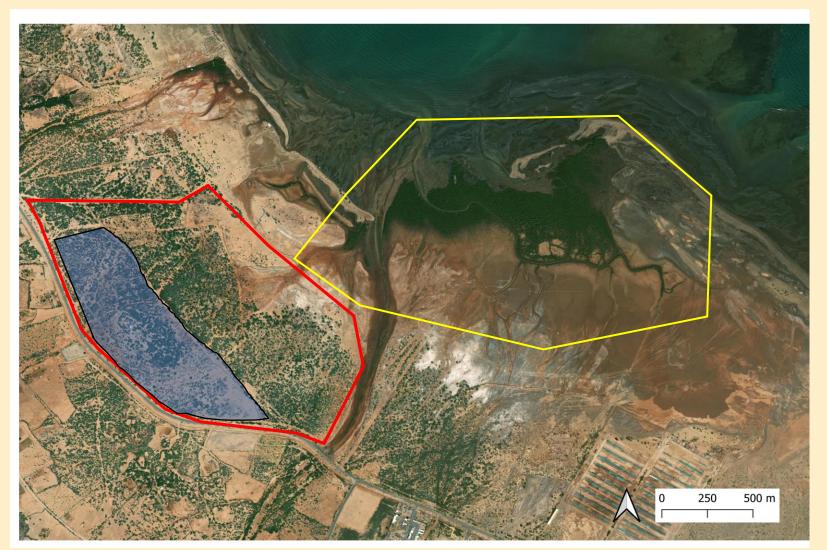
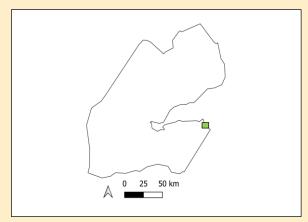


Overview of the main land features







- Mangrove
- Wildlife shelter (Vachellia sp)
- Prosopis Juliflora

The Mangrove







Environmental Education

Mangrove restoration

A threatened ecosystem





- Overgrazing by camels
- Cutting trees for firewood
- Pollution
- Non-sustainable touristic activities

Mangrove restoration



Plantations



An invasive species: the prosopis juliflora



Current issues with the prosopis juliflora





- its aggressive growth leads to a monoculture, denying native plants, water, and sunlight, leaves are not eaten by native animals and livestock
- Seeds remain viable for up to 10 years
- Seeds are spread by cattle and other animals, which consume the seed pods and spread the seeds in their droppings
- Deep root system that dry up groundwater
- Very difficult and costly to eradicate

Positive aspects of prosopis juliflora





- The flowers attract insects
- The trees provide shelter, nesting site, shade
- Help to stabilize dune, and prevent erosion
- Fix azote in the soil
- Can growth on salty, poor quality soil
- The sweet pods are edible and nutritious both for livestock and humans.
- Can be used as firewood

Current issues with the prosopis juliflora









Our goals



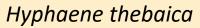


Restore native vegetation





Vachellia nilotica





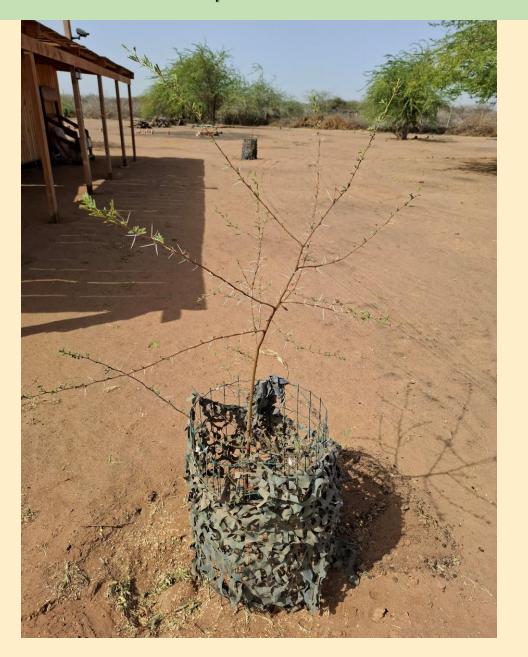
Tree plantation





Tree plantation





Control prosopis invasion





Building facility







Prosopis juliflora























Prosopis juliflora





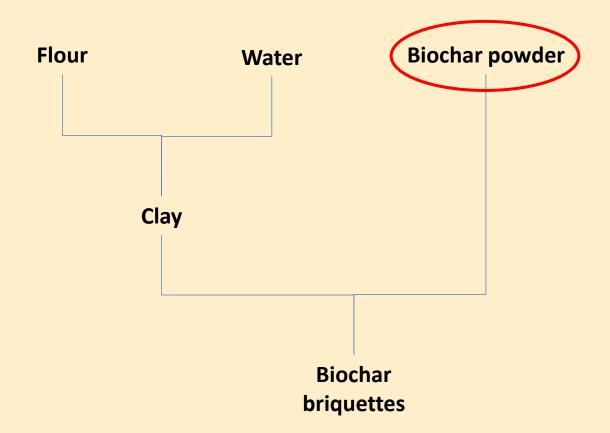


Charcoal



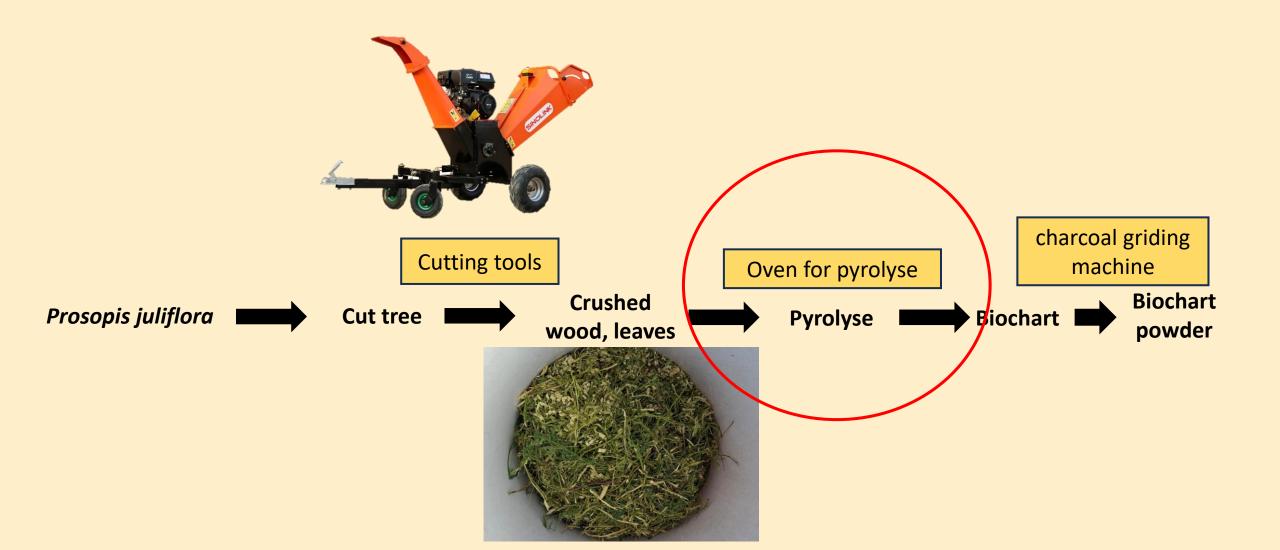






How to Make BIOCHAR form Prosopis?





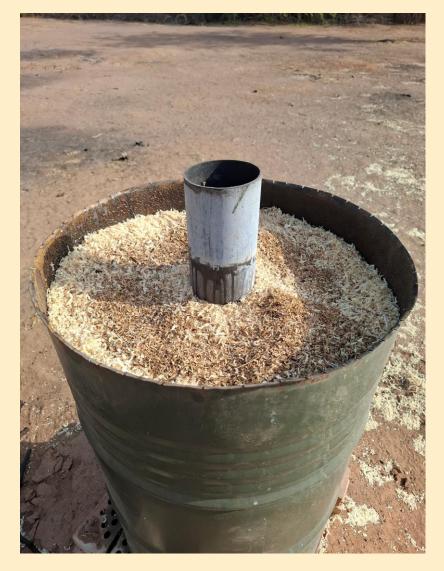
How to Make BIOCHAR form Prosopis?





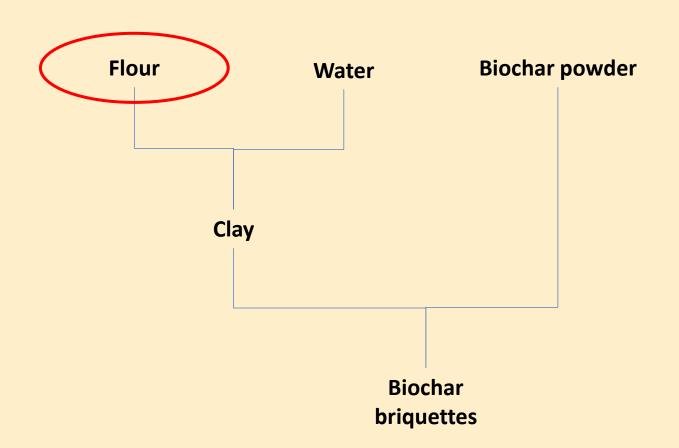
How to Make BIOCHAR form Prosopis?











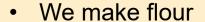


• We collect prosopis pods and let it dry.











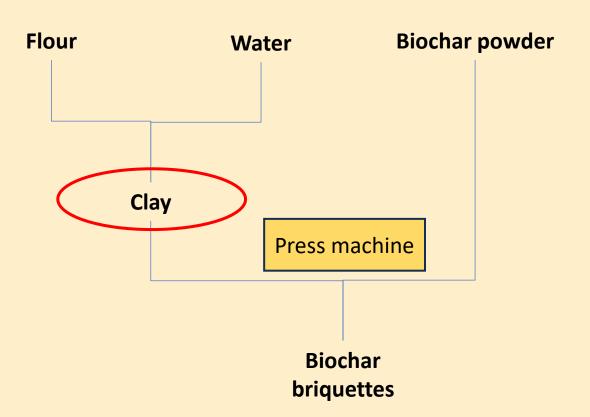
After griding the pods, we separate the powder from the seed capsule



Due to the high amount of sugar, the flour solidify naturally









Manual press machine model







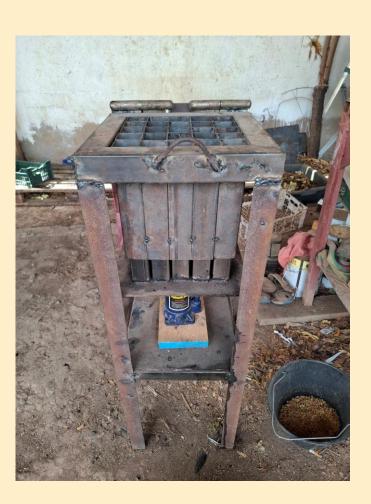


 Can be designed and manufactured locally in Djibouti

Manual press machine model







• Our press we built

How to Make BRIQUETTES form Prosopis?









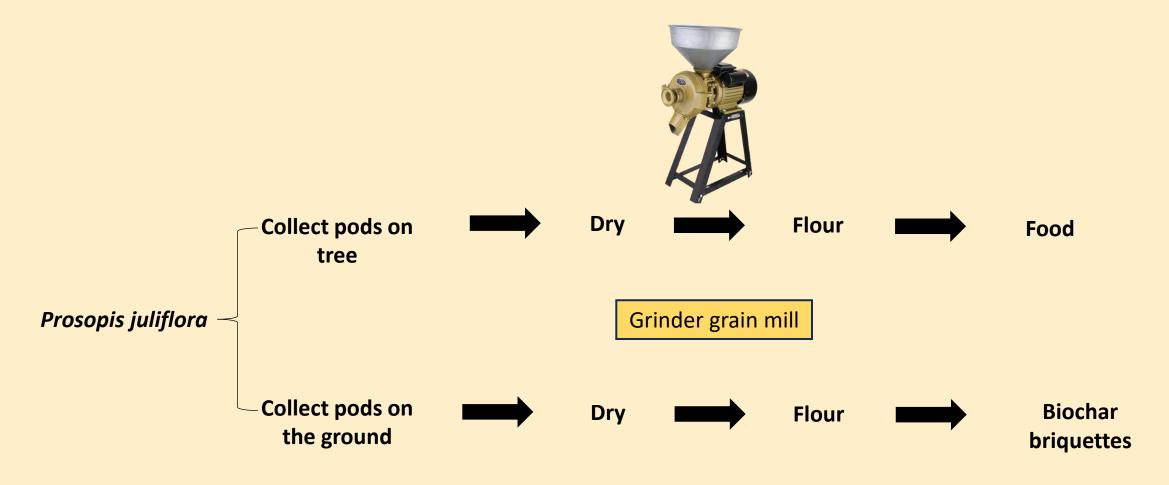
How to Make BRIQUETTES form Prosopis?





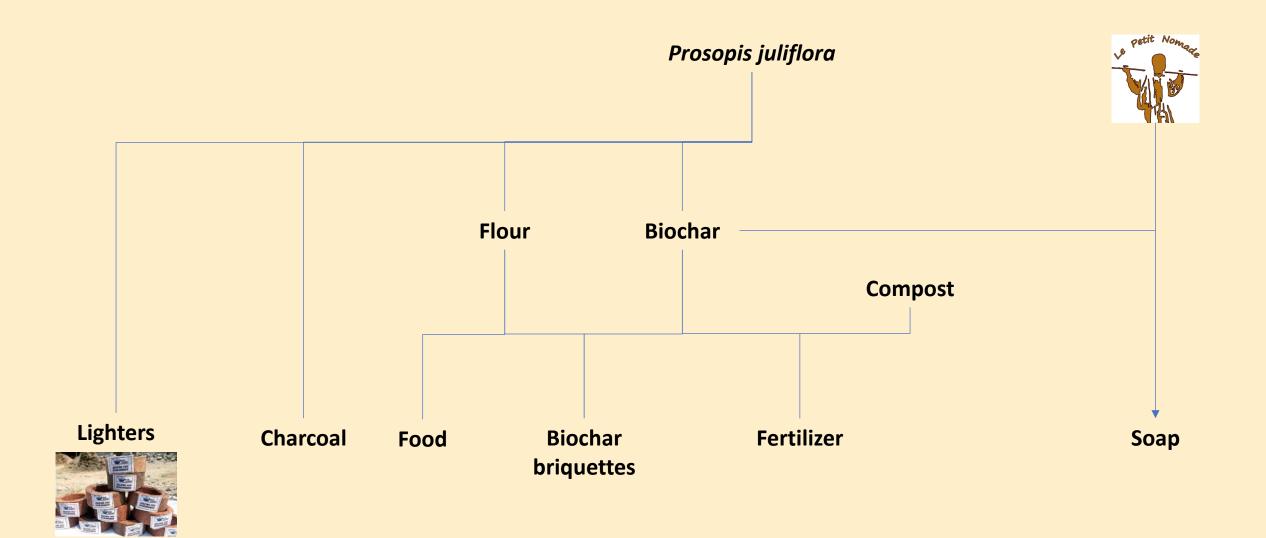
Future plans





Possible future usages of prosopis Juniflora





Thank you for your attention!



