





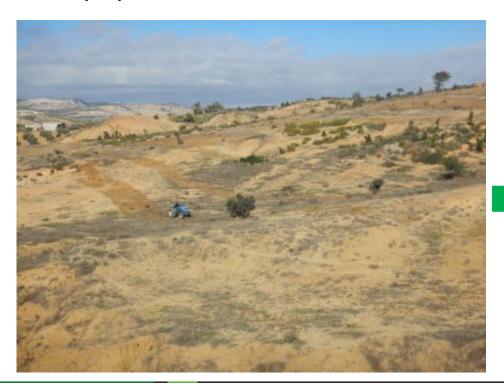




## **Overall Objective**

Improve the livelihood of agro-silvopastoral communities through increasing resilience, income and capacity of the local population.













#### **Approach**

To achieve this objective, the initiative is axed on the following pillars:

- Adopt a participatory multidisciplinary approach
- Implement selected proven technology aimed at sustainable development of the silvopastoral production system with focus on climate change adaptation (choice intervention, choice of species, etc.)
- > Enhance capacity of all concerned parties.











#### What kind of landscape we want to have?





- **History**: How did we come to where we are? [What lead to the degradation?]
- Context: What is the context within which the restoration or rehabilitation is going to take place?
- Risks and drivers of change: What are the risks and drivers of change that we need to take into account?









# **Choice of Species**

Favoring as much as possible the use of indigenous and well-adapted species.

Medicago arborea

(tree medic)

Ceratonia siliqua

(Carob tree)

- Select species that require minimum care and protection:
  - Less capital and labor demand
  - Social fencing versus physical fencing
  - Carefully considering the use of exotic species

Hedysarum coronarium L. (Su

Pistacia lentiscus (lentisque pistachi





## **Grazing Management**

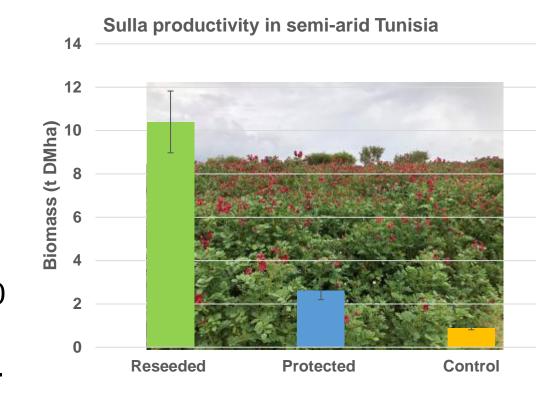
- Perennial grasses plants need grazing to stay alive
- Forage trees should be grazed but they have to be pruned every 2 to 3 years so the grazable biomass (leaves) can be accessed by animals (browsers)
- Grazing duration is estimated based on the carrying capacity (number of animals and forage availability – taking ~ 50% and leaving 50%)





#### **Project impact**

- In a relatively short time, the project showed considerable impact summarized below:
  - Increased biomass (10 folds) and reduced feeding cost by 70%.
  - Afforestation survival rate higher than 80%
  - Reduced soil erosion ~ 5 T/km²/year while storing at least 280 m³ of water as well as reducing runoff water loss by approximately 800 m³/ha.
  - Enhanced capacity development (500 trainees).







#### **Success factors**

- Multi-stakeholder engagement and institutional collaborations that leverage resources and knowledge and improve overall efficiency of the actions
- Long-term investments by financing agencies and long-term commitment by actors
- Favorable and supportive national and local policy processes
- Use of local practices and knowledge in the implementation scheme
- Empowerment of the community to own the process



#### Summary

- Use of a particular intervention in the restoration of degraded silvopastoral site is site specific no one single rule to apply anywhere!!
- Restoration/rehabilitation without management is useless
- Inappropriate policies cause damage
- Need to develop further capacity of national institutions (new tools monitoring, grazing management)





#### **Global Landscapes Forum**

The Global Landscapes Forum, having reached one billion people across the world through social and news media, with the backing of its founders - the World Bank, the UN Environment Programme (UNEP) and the Center for International Forestry Research (CIFOR) – is well-placed to facilitate and help guide these discussions and share knowledge in interactive digital spaces, leading the way for the conferences of now and the future.

Charter Members: CIAT, CIFOR, CIRAD, Climate Focus, Conservation International, Crop Trust, EcoAgriculture Partners, EFI, Evergreen Agriculture, FSC, GEF, GIZ, ICIMOD, IFOAM - Organics International, ILRI, INBAR, IPMG, IUFRO, Rainforest Alliance, Rare, RRI, SAN, UN Environment Programme, Wageningen Centre for Development Innovation, part of Wageningen Research, WFO, World Agroforestry, World Bank Group, WRI, WWF International, Youth in Landscapes Initiative

#### **Funding partners**













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