

Can this (desert) be forested?



1. Who

2. What

3. Where

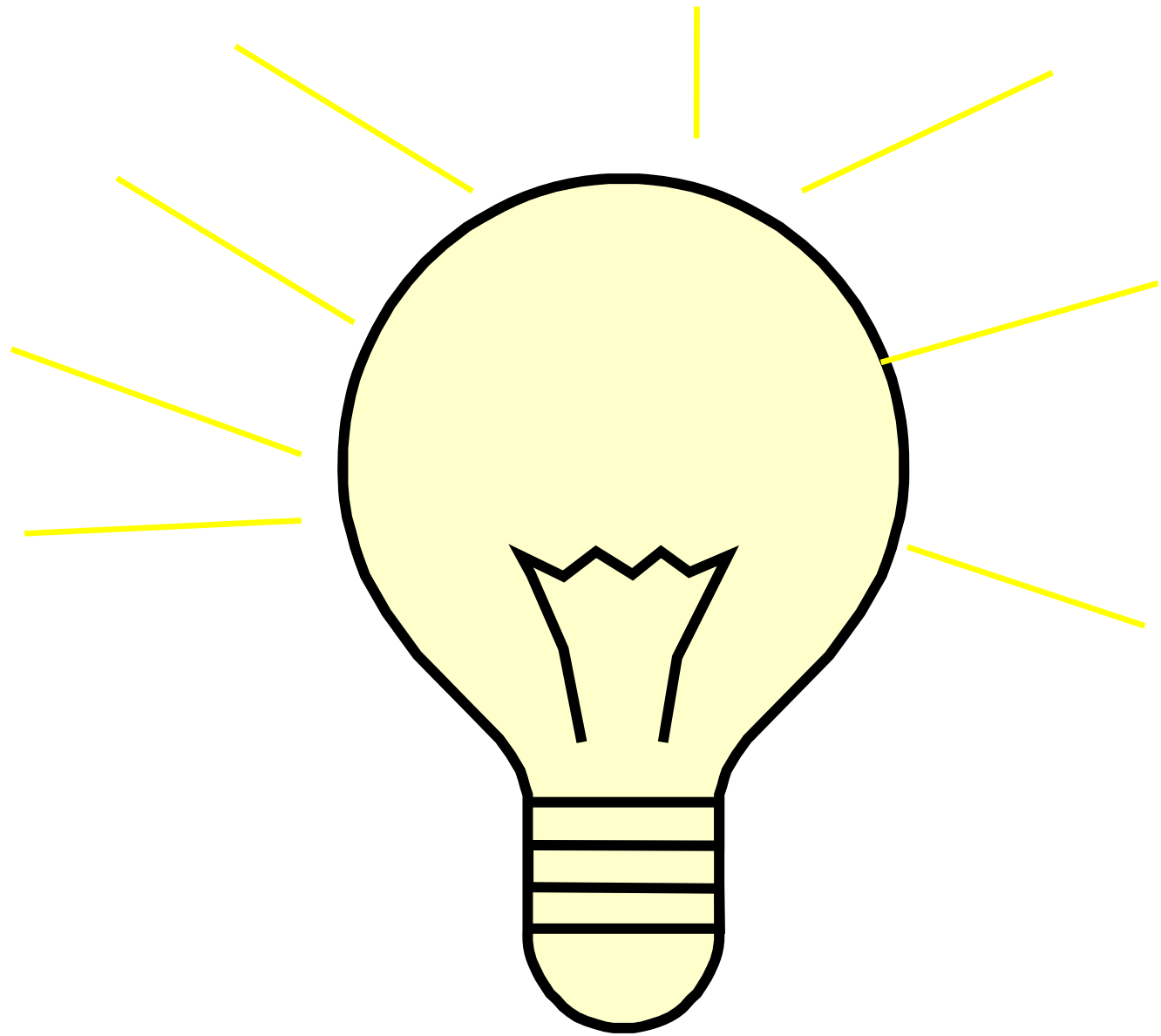
4. When

5. Why

6. How

7. Insight/intuition/wisdom

mother tongue?



How did deserts support such thriving populations in the past?



Deforestation -

Primarily a technical issue?

OR

a social,

policy,

historical issue?

- Warfare,
- Burning,
- Colonization,
- Constant grazing,
- Government policy
- Short term gain

Sleepers from

Amman to Istanbul.



A dense thicket of trees with green leaves and brown trunks, some showing signs of decay or damage. The text "Do you speak tree?" is overlaid in yellow.

Do you
speak tree?



?

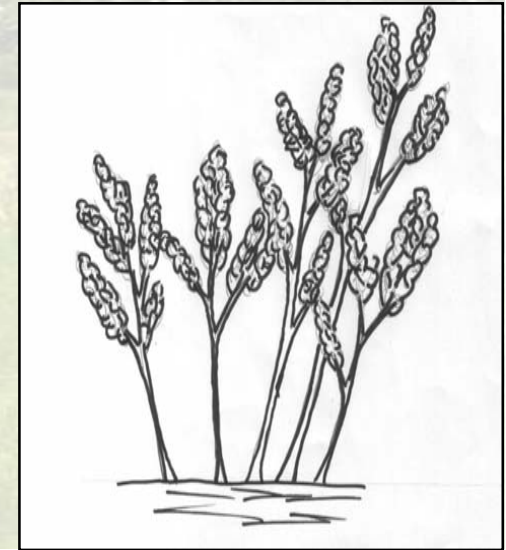
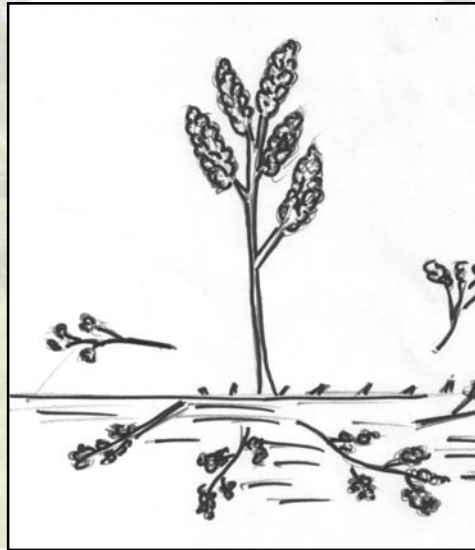
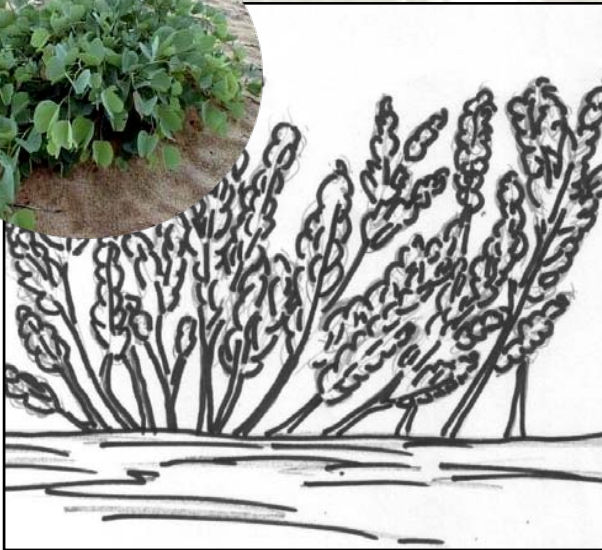


FMNR: Systematic regeneration of trees from living tree stump, roots and seeds

Select desired tree stumps and for each stump, choose number of (tallest and straightest stems to leave

Remove unwanted stems and side branches

Cull emerging new stems and **prune** side branches from time to time



Farmer Managed

Natural regeneration





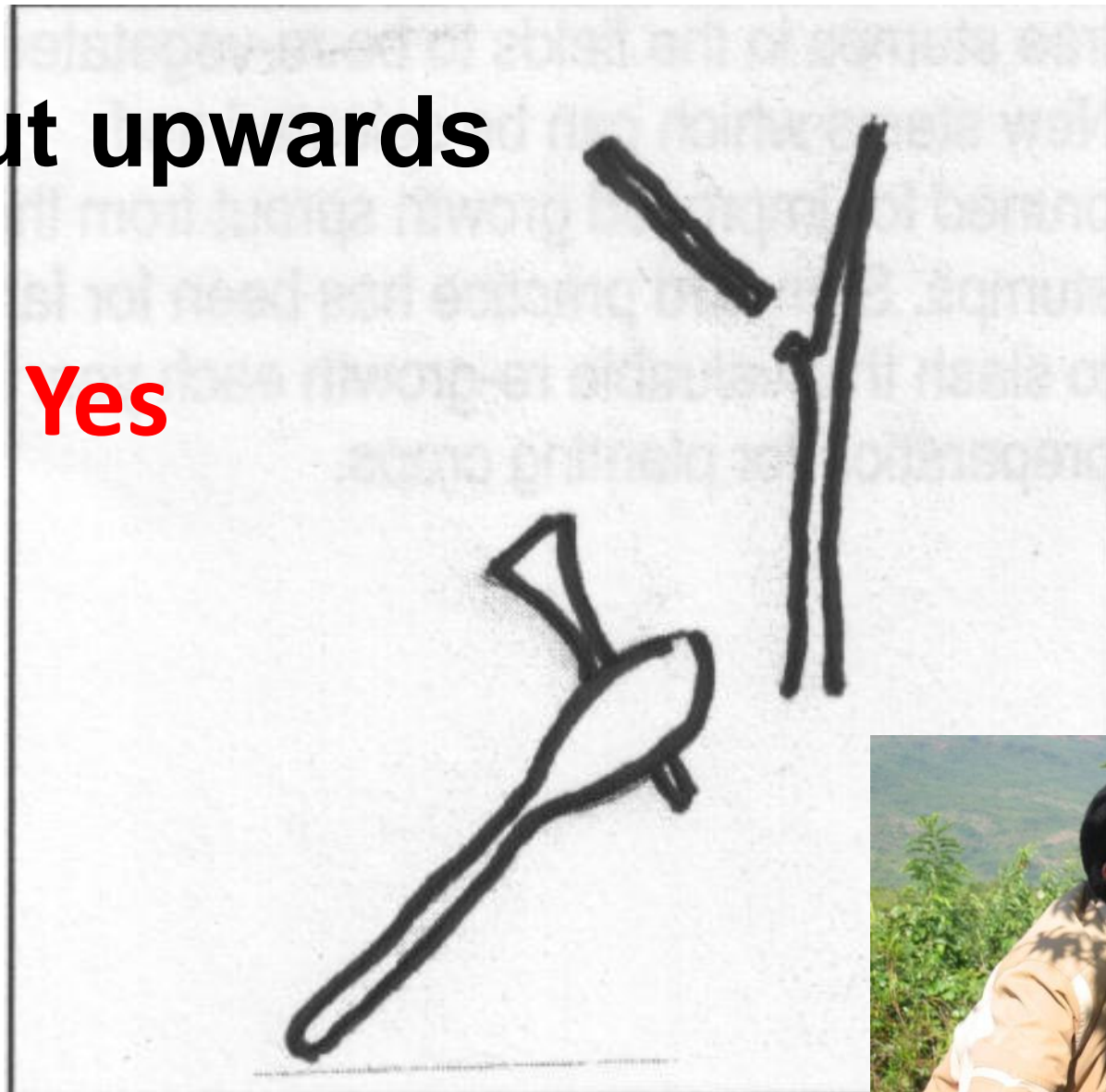
**Use local tools.
Should be sharp!**

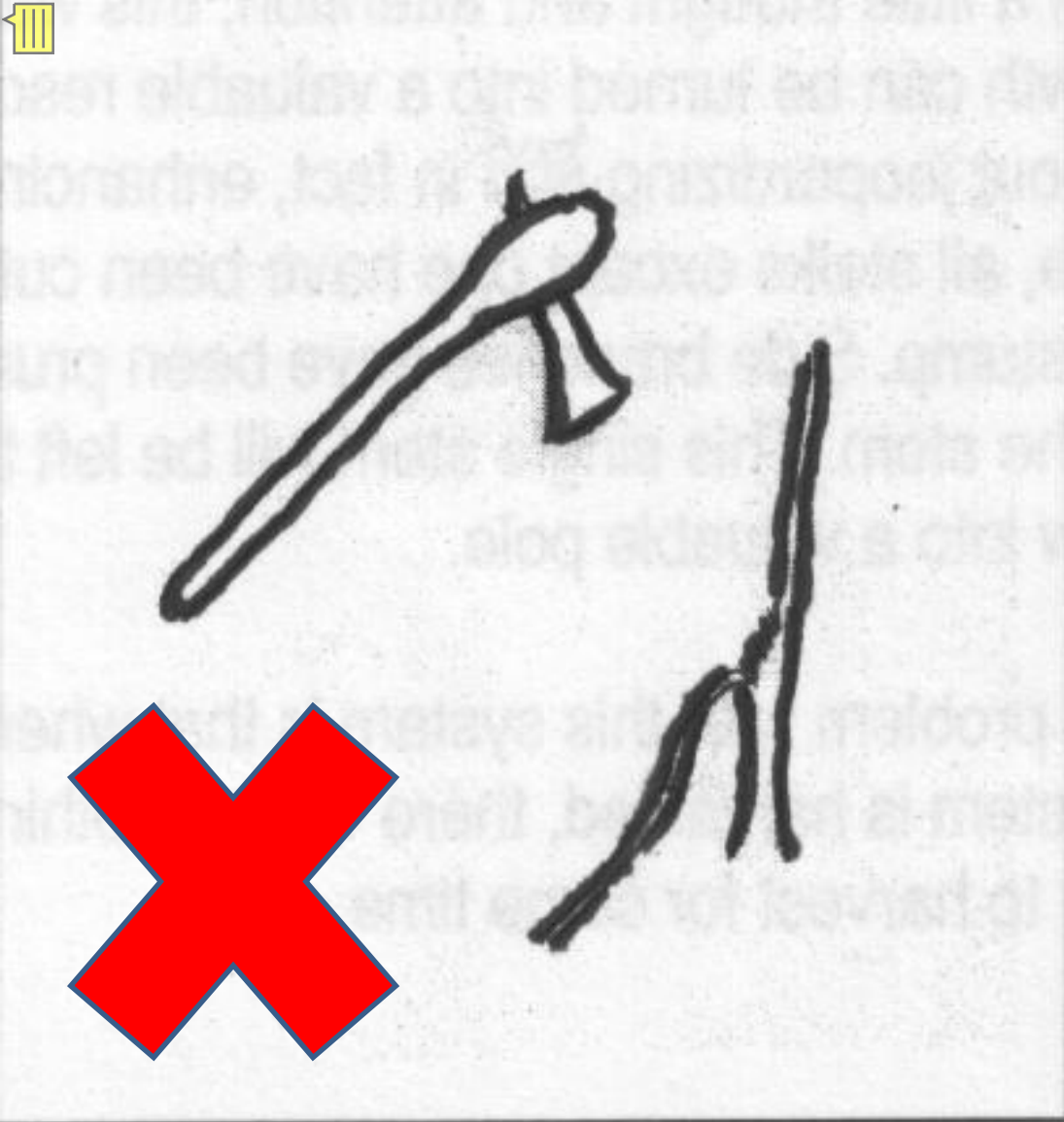




Cut upwards

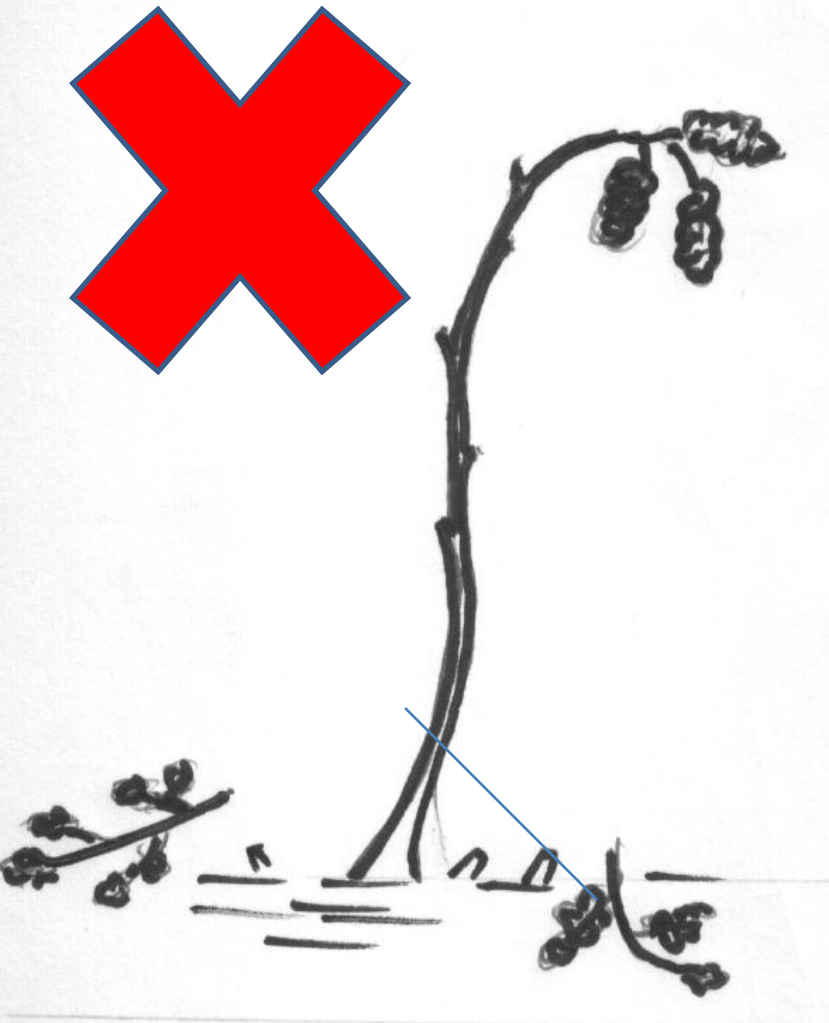
Yes





Don't cut downwards.





Don't over-prune.





Sassaparilla



How many?

**Importance of
pruning.**

**14 year old
enclosure
Area!**







Impact of
pruning &
thinning.

2 – 21/2 years old.





**What do you do –
When there is theft?**





Deliberate
destruction.



Where there are no - tree stumps.



1984

1990



2004



14 years!



**Where people
won't –**

dig holes?

**What is their
primary
motivation?**





**What do you do –
Where there are animals?**



**What do you do –
where there is fire?**



Solid foundation
built







What do you do where - Farmers 'don't leave trees'?





- Local exceptions
- Exchange visits
- experimentation





How many trees are there in the foreground?





At least 17!





**2 -3
years
growth.**

Can this desert be forested?



**And Lot lifted his eyes, and
saw that the Jordan valley
was well watered
everywhere like the garden
of the Lord, like the land of
Egypt, in the direction of
Zoar,..... Genesis 13:10**

What do you see?



Desert doesn't necessarily mean NO WATER,
Or, NO WATER ALL THE TIME

What do you see?



What do you see?























Mongolia







Natural regeneration: self sown elm trees take advantage of soil disturbance and water run-off from road.

Pioneer species like elm improve micro-climatic conditions for more valuable species such as pine.





Pine trees don't coppice – what to do?





Timor-Leste.

Forestry

Dept.

\$40,000/yea

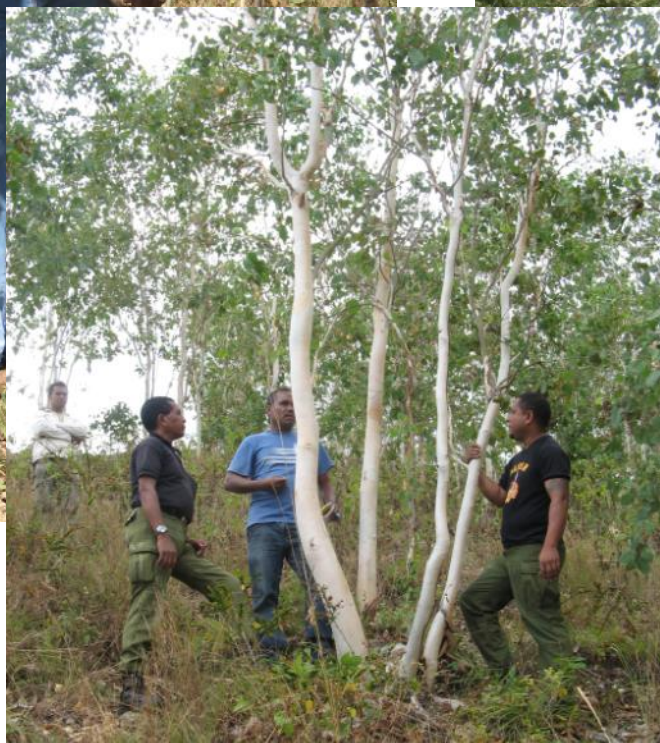
r:

2million

tree target.

Impossible.







Not just trees people don't see!



**8 kilos
windblown
silt**

**20 litres
organic
matter**

What is needed to create an FMNR Movement?

Facilitation

- ✓ Awareness creation
- ✓ Training
- ✓ Fire prevention and control plan
- ✓ Manage grazing animals

Create an enabling environment:

- ✓ **F**reedom to utilize trees
- ✓ **M**ake marketing of wood, charcoal & NTFPs legal
- ✓ **N**ew all-stakeholder FMNR by-laws
- ✓ **R**emodel cooperatives or farmers groups to manage FMNR



Can you reforest the Sahara?

