



Australian Aid



World Vision
Timor-Leste



Renew the Land
FMNR for sustainable communities

FMNR: An International regreening Odyssey







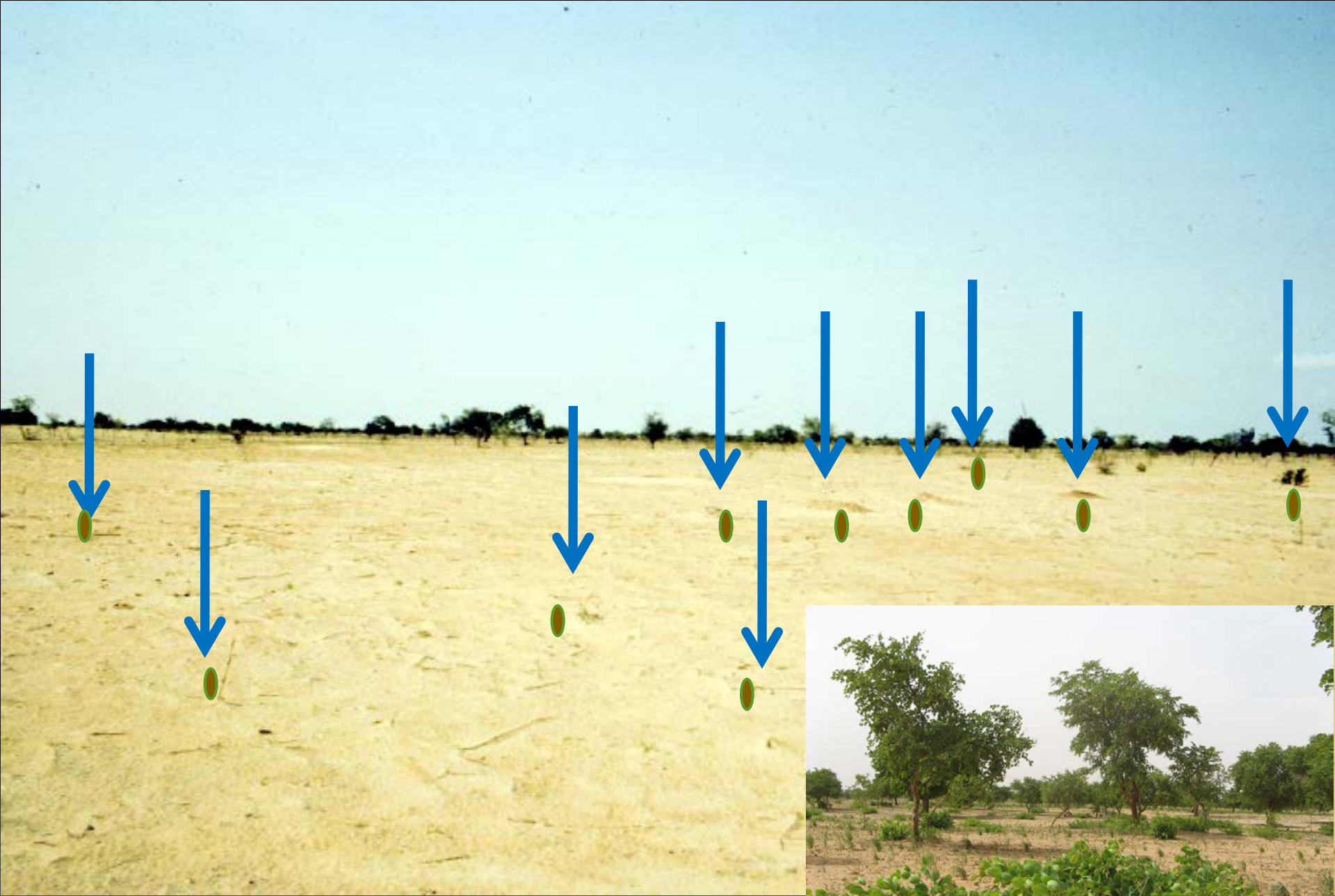






REFORESTATION WITHOUT PLANTING TREES?





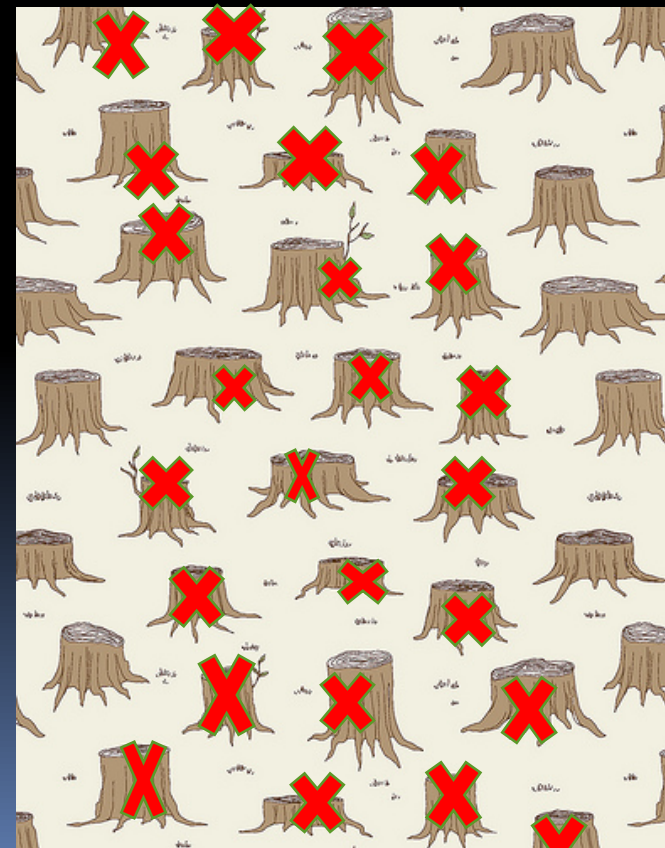


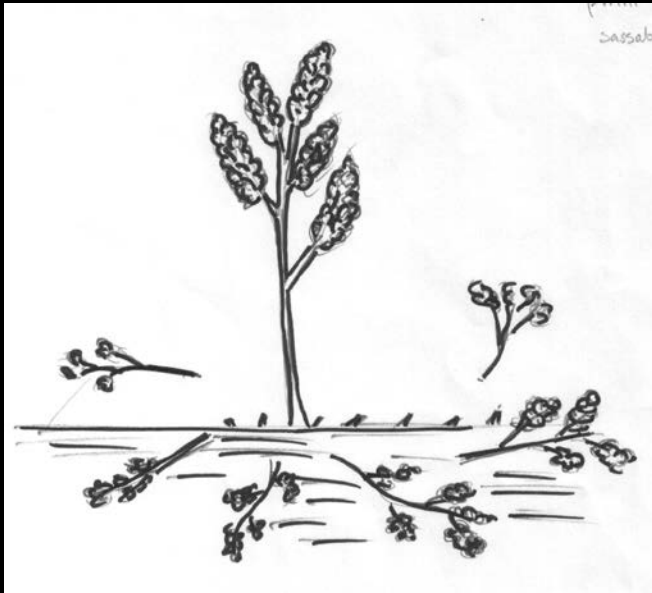
Definition:

- systematic regeneration & sustainable management of
- trees & shrubs
- from living tree stumps, roots and seeds.

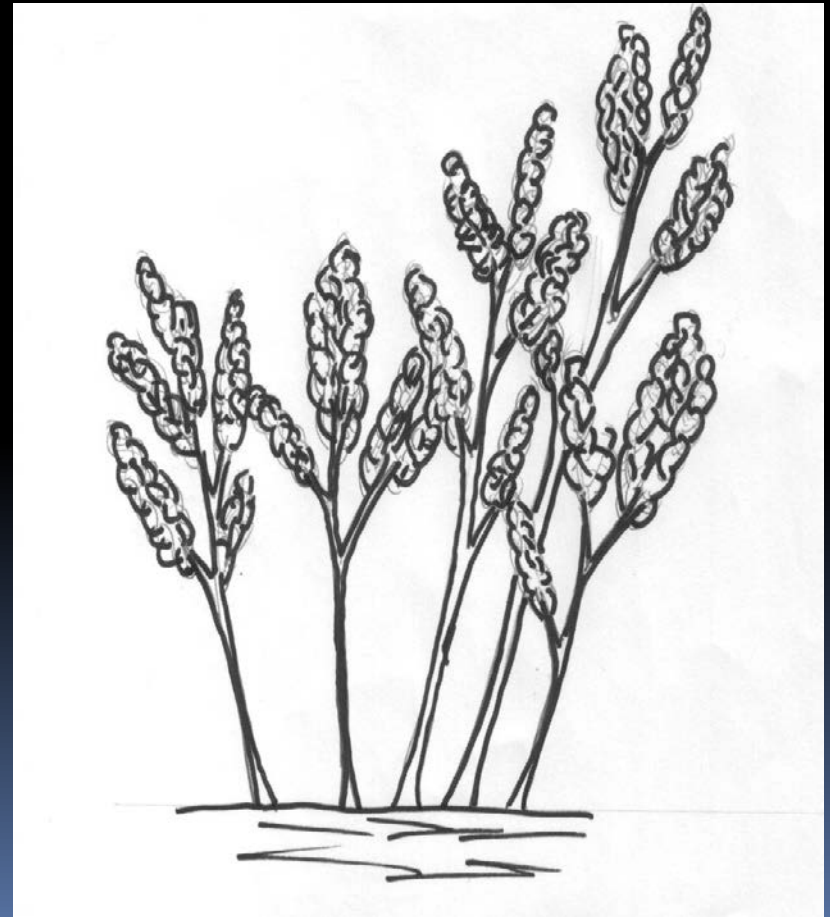


1. Select desired tree stumps.





2. For each stump, choose number of stems to leave.



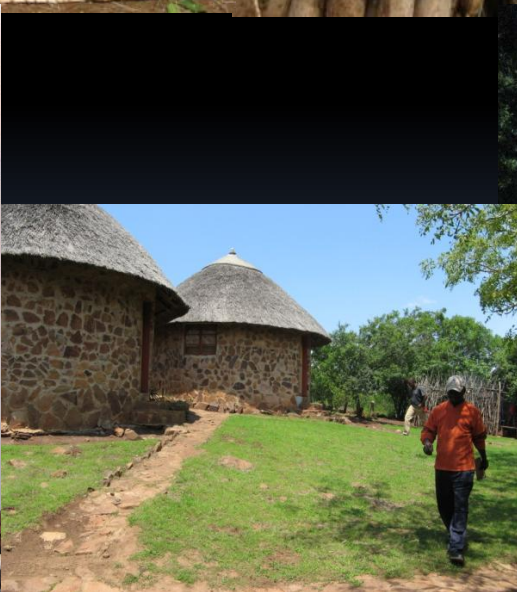
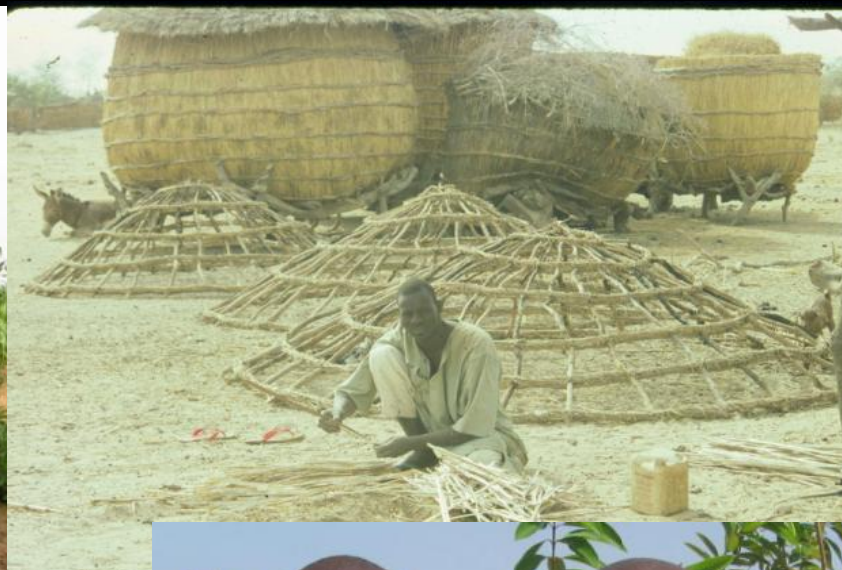
3. Remove unwanted stems and side branches.
4. Remove emerging new stems and prune side branches from time to time.

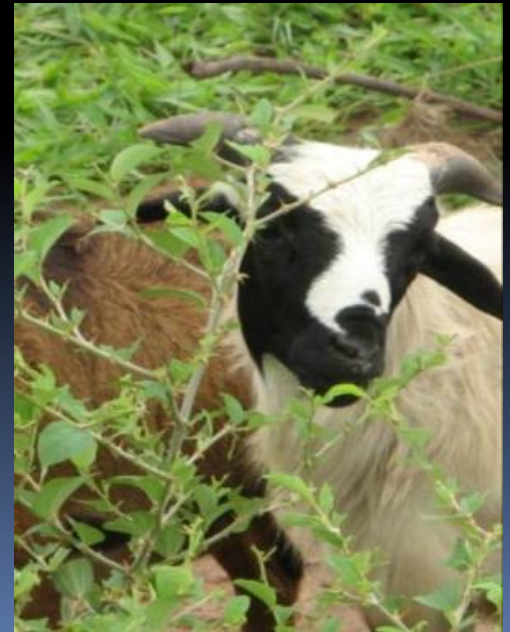






Multiple benefits – fodder, wild foods, medicines,..







Greater crop resilience to drought.
Doubling of crop yields.

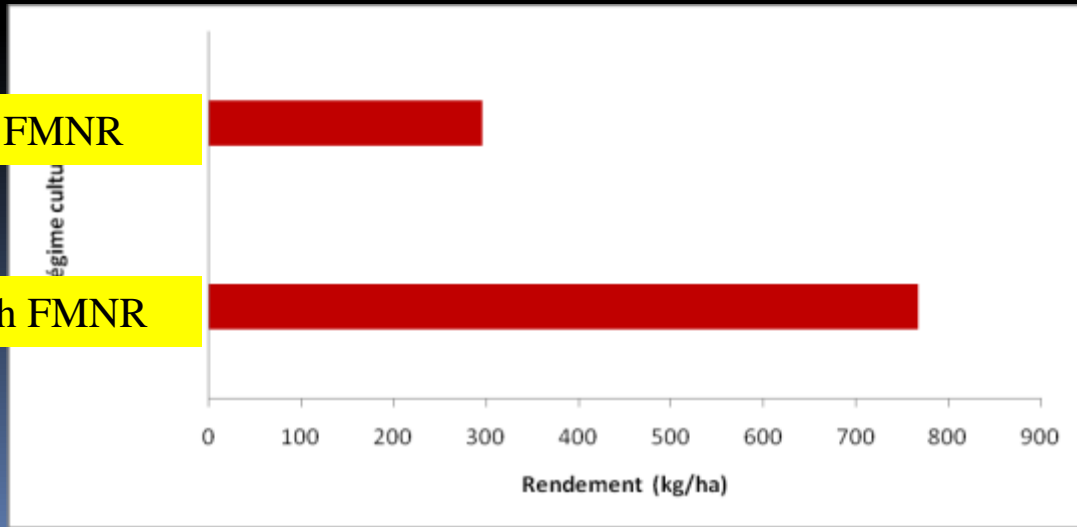
Niger: + 500,000 tonnes of cereals/year



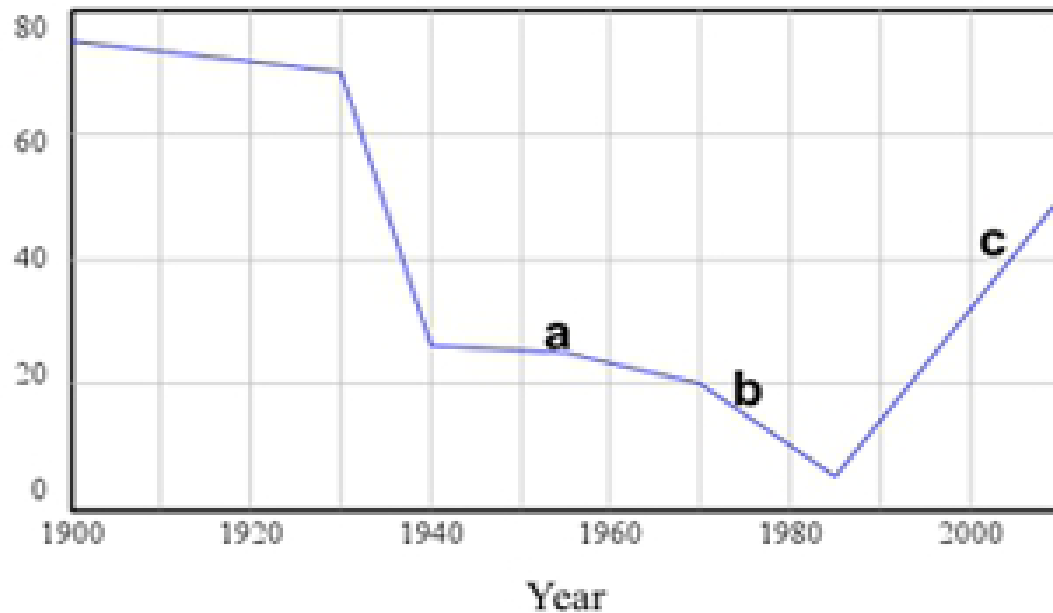
Crop yield: No FMNR

Crop yield: with FMNR

Crop yields doubled



Tree Density



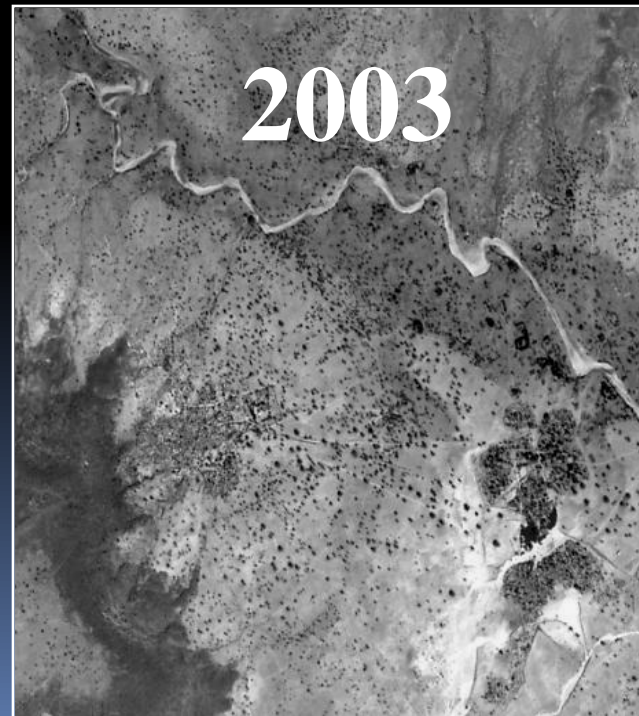
1984 – 2004

- 5 – 6 million ha
- 250,000 ha/year
- 200 million trees

1975



2003





Senegal
Mali
Niger
Ghana
Uganda
Chad
Ethiopia

Kenya
Tanzania
Somalia
Sudan
Rwanda

Myanmar
Indonesia
Timor Leste
Philippines

New in 2013
India
Malawi
Zimbabwe
Zambia
Haiti





Aileu District, July, 2011.











**Take up
the
challenge
for their
Future:**

**5 million ha.
in 5 years!**

Thankyou.

More information: <http://www.fmnrhub.com.au>