

Priority tree species for forest restoration and enhancing livelihoods and ecosystem services in Ethiopia

Objectives

- Key results of forest restoration projects in Ethiopia over the last 30 years.
- Identification of the most suitable tree species to complete communities' needs as well as to be resilient to climate change.



Material & Methods

- Literature review (n=89) over last 30 years in Ethiopia
- Household survey (n=320) in Oromia - Jimma - Illu Aba Bora

Results

- Community involvement**
- Involvement at implementation phase
 - Inclusion of beneficiaries (women, youth, marginal & poor households)

- Seeds and seedlings procurement**
- Collection on few mother trees & in forests
 - Shortage & unavailability in formal system

- Tree species selection**
- Multipurpose species
 - Mix of native & exotic species
 - Preferred species not necessary planted

Land tenure

- Ethiopian State = Landlord
- Insecure land tenure = low willingness to reforest

Resilience to climate change

- High potential of native species
- *Cordia africana*, *Olea europea*, & genus *Acacia spp.*

Graph 1: Communities' needs of forests products & services identified through household survey

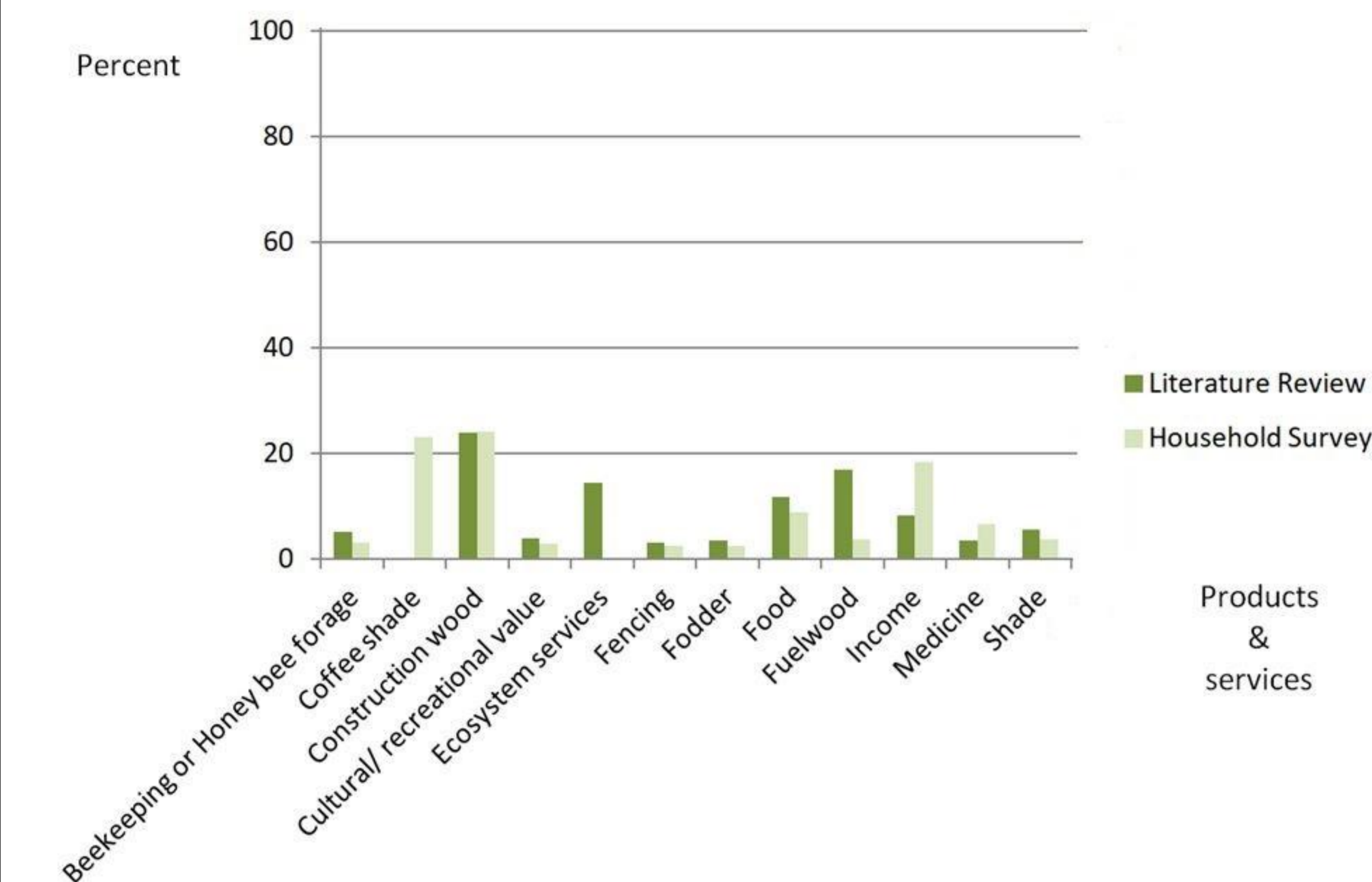


Table 1: Preferred tree species identified through household survey, n=native

Rank	Tree species (Latin name)	Tree species (Local name)
1	<i>Cordia africana</i> (n)	Wadeessa
2	<i>Albizia gumifera</i> or <i>schimperiana</i> (n)	Ambabeessa
3	<i>Croton macrostachyus</i> (n)	Bakanisa/ Makkanisa
4	<i>Ficus vasta</i> (n)	Qilxuu
5	<i>Ficus sycomorus</i> (n)	Oddaa
6	<i>Acacia spp.</i> (n)	Laaftoo
7	<i>Prunus africana</i> (n)	Hoomii/ Homo
8	<i>Ficus sur</i> (n)	Arbuu/ Harbu
9	<i>Syzygium guineense</i> (n)	Badeessa
10	<i>Acacia lahai</i> (n)	Sondii
11	<i>Sapium elipticum</i> (n)	Bosoqa
12	<i>Podocarpus falcatus</i> (n)	Birbirsa

Conclusion

Most suitable tree species to complete communities' needs & enhancing resilience to climate change:

- ▶ *Cordia africana*, *Croton macrostachyus*, *Olea europea* and the genus *Acacia spp.*

Further research on:

Availability of seeds & seedlings

Genetic quality of seeds

Expansion of diversity of species used

Examination of bottlenecks