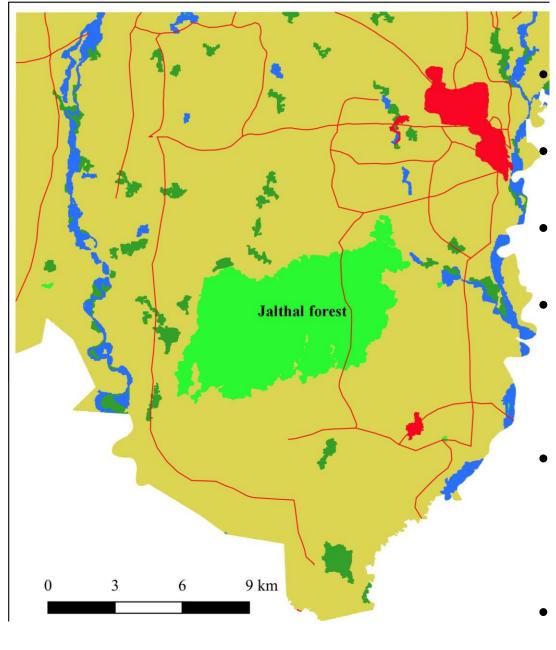
# A framework for ecologically informed invasive species management and forest restoration

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#### Jalthal forest

A 6000 ha remanant forested island Biodiversity rich but equally degraded

- Invasive species Mikania micrantha is a major burden
- Tree regeneration compromised, wildlife habitat destroyed, forest products declined
- In addition, hunting, timber focused management exacerbate threat to biodiversity
- Over 80,000 people living around the forest use it for different products



Rescue of natural regeneration



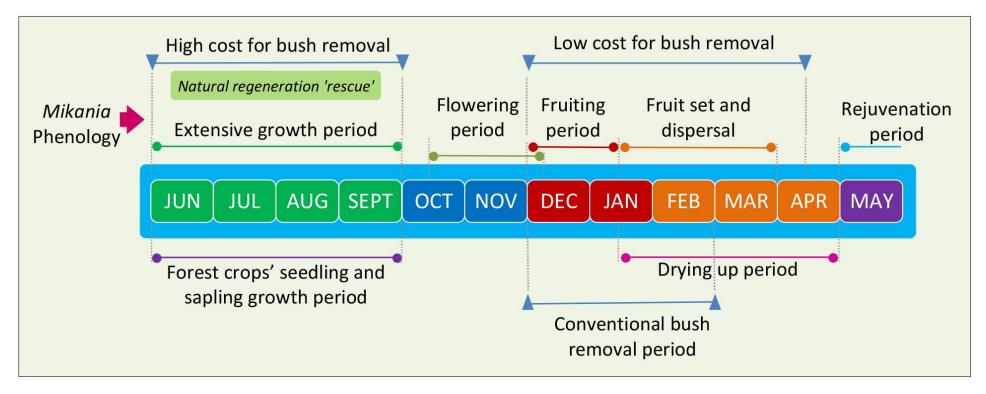


Complete
uprooting and
slashing whole
area is impractical
and terribly costly

**Plantation costly** 

Rescuing Natural regeneration is cost effective method

# Frame work for ecologically informed management of Mikania for Forest restoration



Key points to consider

- -Biological calendar and ecological attributes of the invading species
- -Maximum growth period of native species
- -Time of bush removal activities
- -Biomass management

### Conclusion

- Invasive species management is complex, conventional methods are not giving expected outcomes
- Conventional methods not informed by ecological and biological attributes of invading species and native species
- Growing period 'niche' is better utilized by invasive------Assistance required for native
- Rescue of natural regeneration during monsoon and large scale bush cleaning before fruit set of Mikania is likely to give better results
- Biomass management is an additional incentive to local people
- Current incentive mechanism and priority action is plantation but now time to rethink Natural regeneration promotion through rescue
- Natural regeneration is part of 'natural solution' to Mikania invasion