

Institutional capacity needs for overcoming seed supply shortages in forest and landscape restoration

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Why do seed quality and origin matter in FLR?

- Seed quality and origin affect the survival, growth, productivity, ecosystem services and adaptive capacity of the restored forests = delivery of benefits to land users
- Projects often see the sourcing of seeds and seedlings as a technical and straightforward task
- BUT: required material of the selected species is not always available when needed, especially for tropical trees

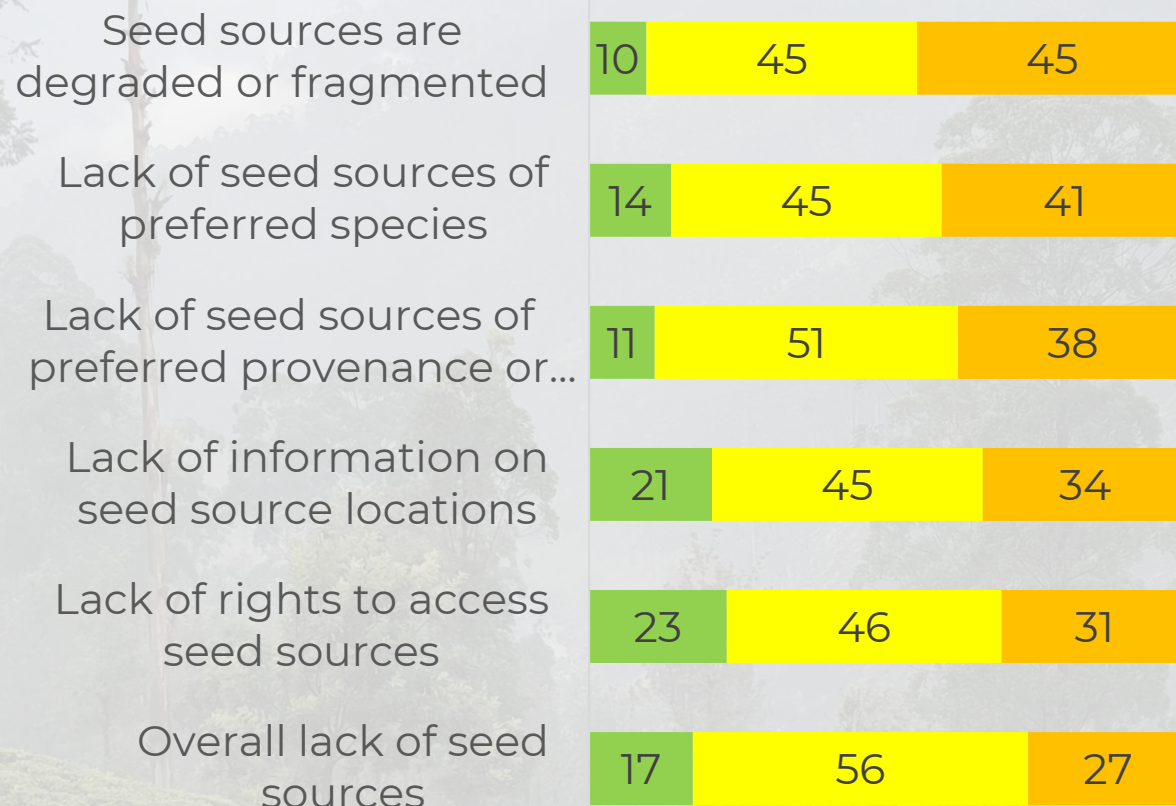
The background of the slide is a photograph of dense, green, leafy plants, possibly a forest understory or a thicket. The leaves are small and rounded, with some showing signs of aging or damage. The lighting is natural, suggesting daylight. A white rectangular box with a slightly torn bottom edge is overlaid on the left side of the image, containing the title and list.

Global survey: Capacities and capacity needs for tree seed supply for FLR

- Covers aspects of seed quality, supply chains and enabling environment
- Respondents: FLR projects, seed & seedling suppliers, other FLR experts
- Online survey in Sept – Oct 2022
- 159 responses worldwide

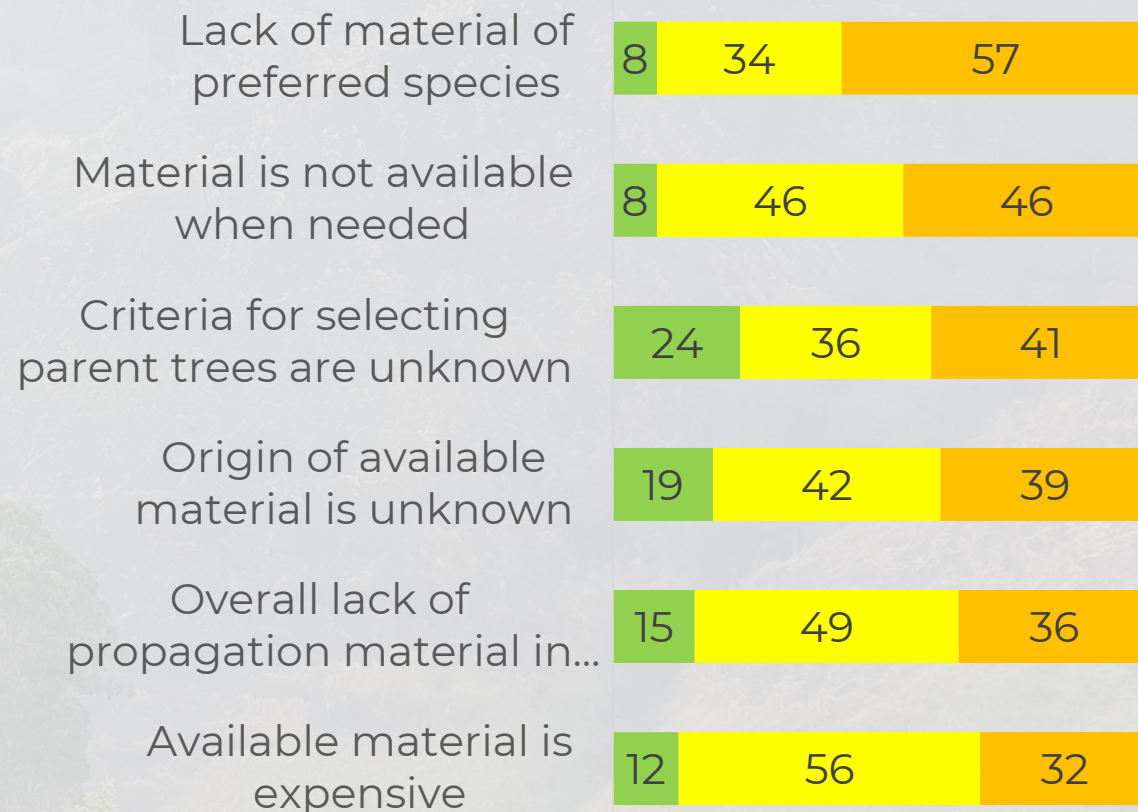
What problems (if any) do you have with seed sources?

■ Not at all ■ Mild to moderate ■ Severe to very severe



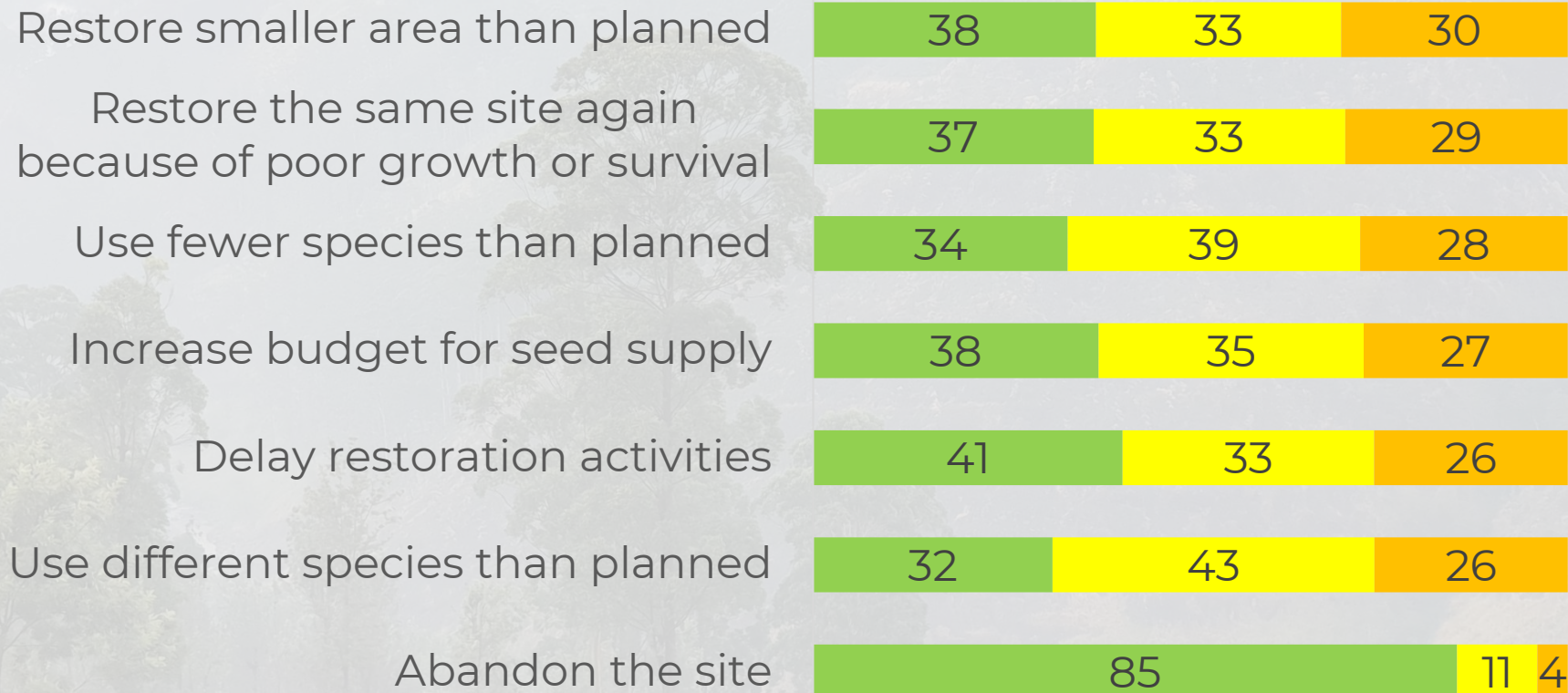
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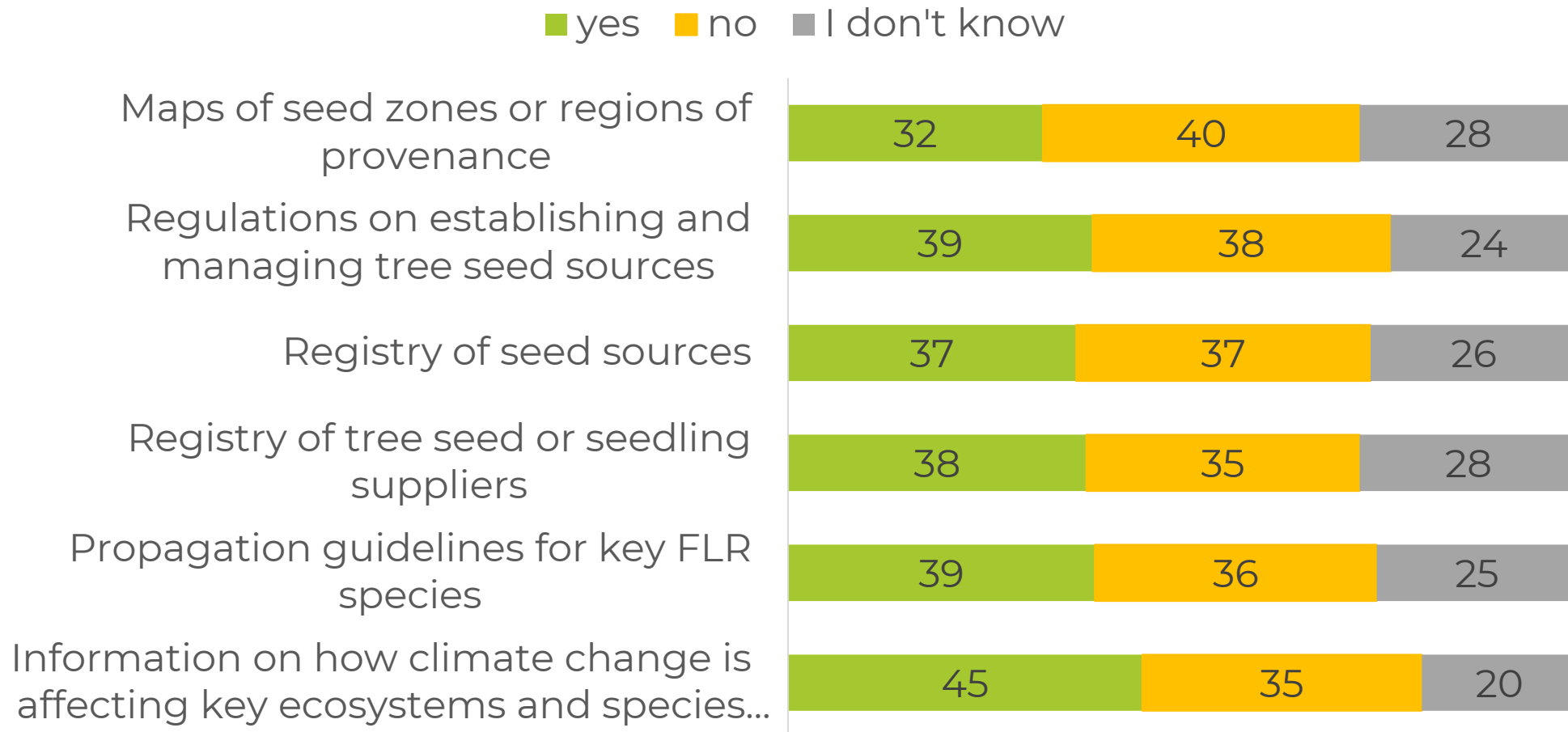


Have you done any of the following to overcome problems with tree seed availability or quality?

■ Never to rarely ■ Sometimes ■ Often to always

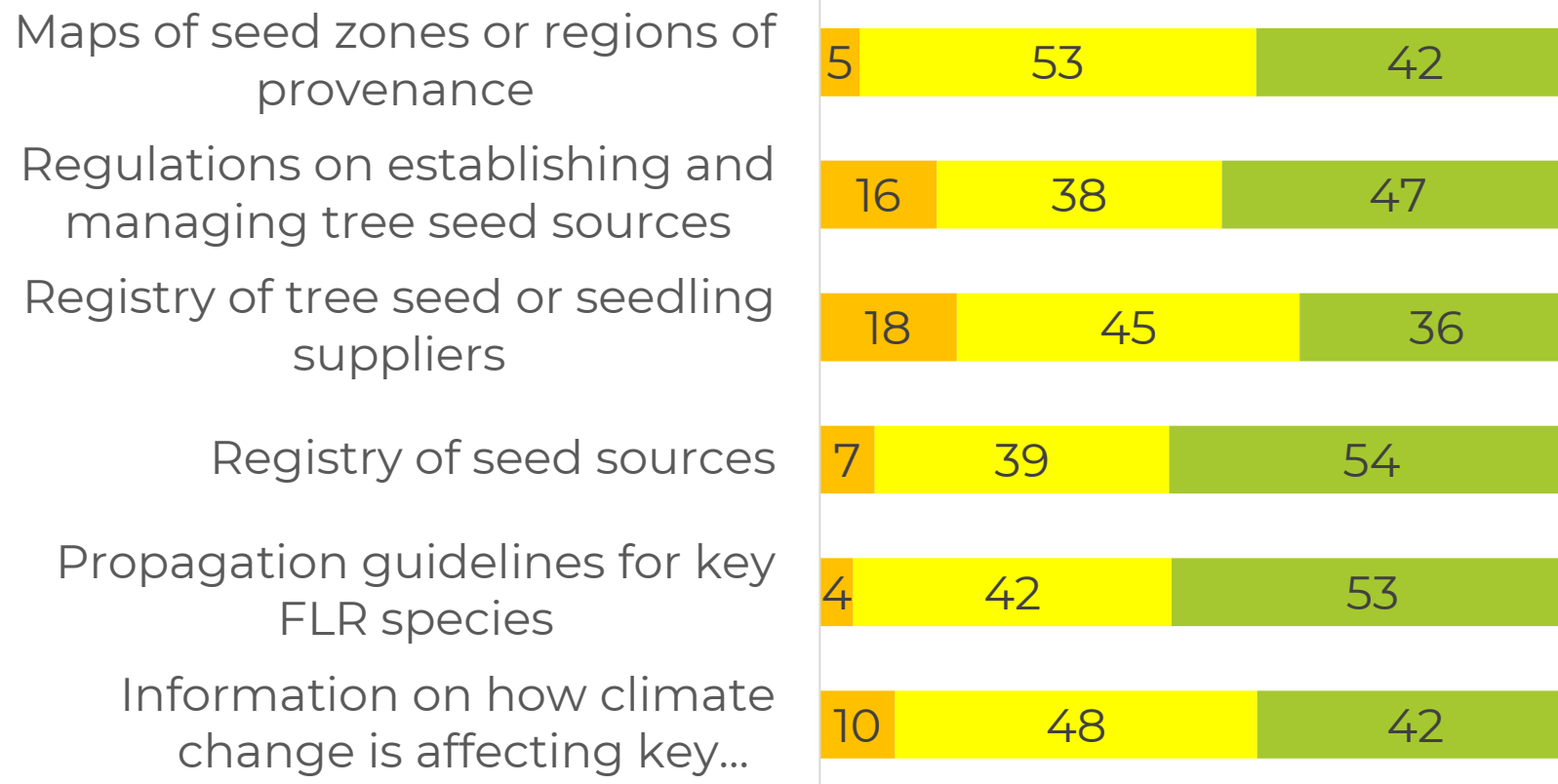


Which resources for FLR planning are available in your country, beyond individual projects?



If available, to what extent do you use these resources in your work?

■ Not at all ■ Used somewhat ■ Used a lot



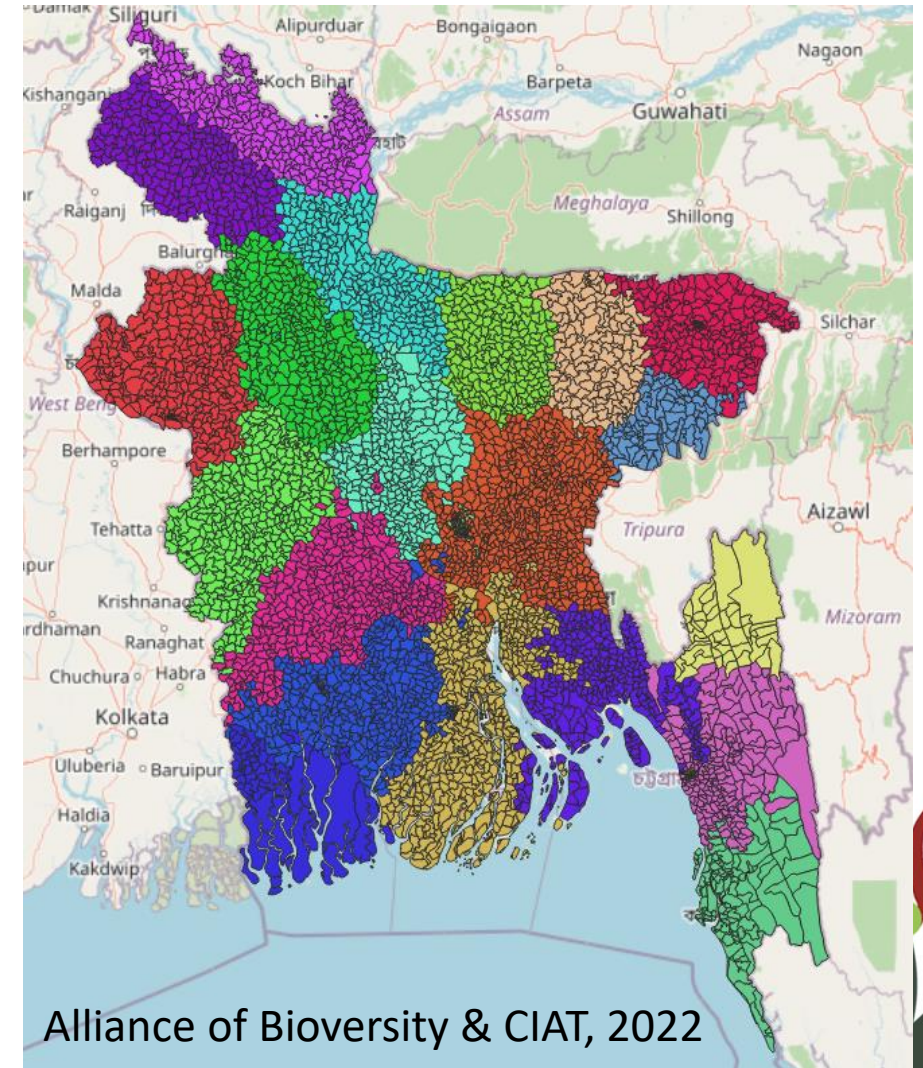
- Not easily accessible: 32%
- Not up to date: 25%
- Lacking information on target species or areas: 25%



Conclusions

- Lack of information on where and how to obtain seeds and seedlings for restoration result in delays, cost increases and compromises in restoration efforts globally
- Guidelines, tools and information systems on tree seed availability, quality and origin are crucial to support restoration practitioners' work, but currently widely lacking
- Developing such resources to assist restoration planning is urgent if the national targets during the UN Decade on Ecosystem Restoration are to be met

Seed zone map for Bangladesh



Thank you.

