Developing Restoration Strategies for Dynamic Population Changes of Plant-Pollinator Networks in a Warming Climate

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developing a multi-pollinator management approach leads to higher evenness. While in tropical regions, adopting a multi-pollinator management approach leads to higher evenness.

In temperate zone, species abundance tends to exhibit greater evenness compared to Mediterranean and tropical regions, suggesting that tropical species might face higher vulnerability. Also, it indicates that strategies for species restoration need to be tailored to the specific abiotic conditions prevailing in each region.

In temperate regions, managing multiple species in a network provides only marginal benefits, while in tropical regions, adopting a multi-pollinator management approach leads to higher evenness.

Future Scope:

- Dynamic abundance management strategies for tropical, Mediterranean and temperate region.
- Analyzing the cost-effective optimization of various abundance management strategies can offer insights into which approach to prioritize, both ecologically and in terms of benefits.

References

- IBPES: https://www.ipbes.net/sites/default/files/spm_deliverable_3a_pollination_20170222.pdf

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