# Stay below water!

## - A Strategy to Avoid Seed Predators

- Seed Survival and Germination of Mauritia flexuosa in Southeastern Peru

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## Aims

#### To study:

- 1. Seed survival in the Aguajal (palm swamp)
- 2. Seed predators on dry land
- 3. Insect visitors and consumers
- 4. Germination in greenhouse experiments





•Up to 35m in height •Fruits rich in vitamins, carotenes & lipids •Used in juice, jam & ice cream •Ecologically important



Threat: Unsustainable harvesting

 Insects contribute more than mammals to the risk of being consumed. •Higher seed survival under water in the Aguajal and in the Greenhouse. Different insects visit fruits and seeds.

#### Conclusions

 Insects are important seed predators on dry land. •Water protects seeds from insects. A strategy to avoid seed predators may be to **Stay below water!** 

