



Where are the traits of alien species? Identifying gaps in global trait databases

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Figure 1 – Raw trait distribution (A) Visualization of the trait matrix
(B) Species proportion for the 20 most measured traits

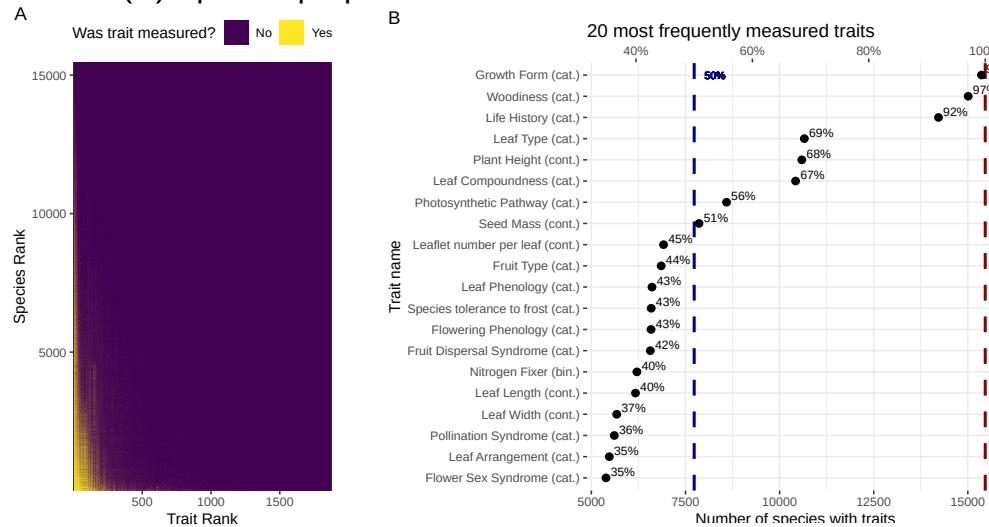


Figure 3
Global Trait Combination
Proportion of Alien Species across Regions

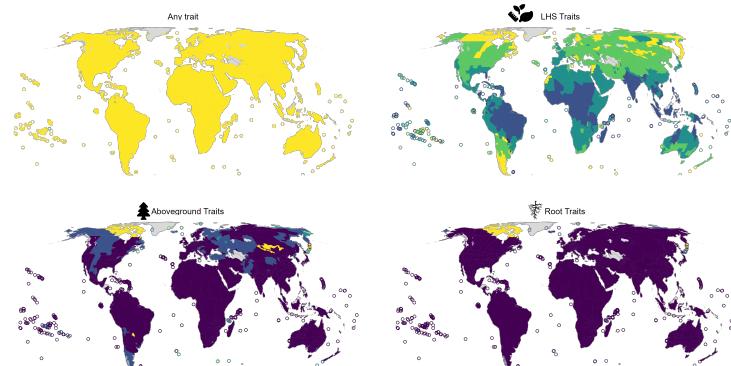
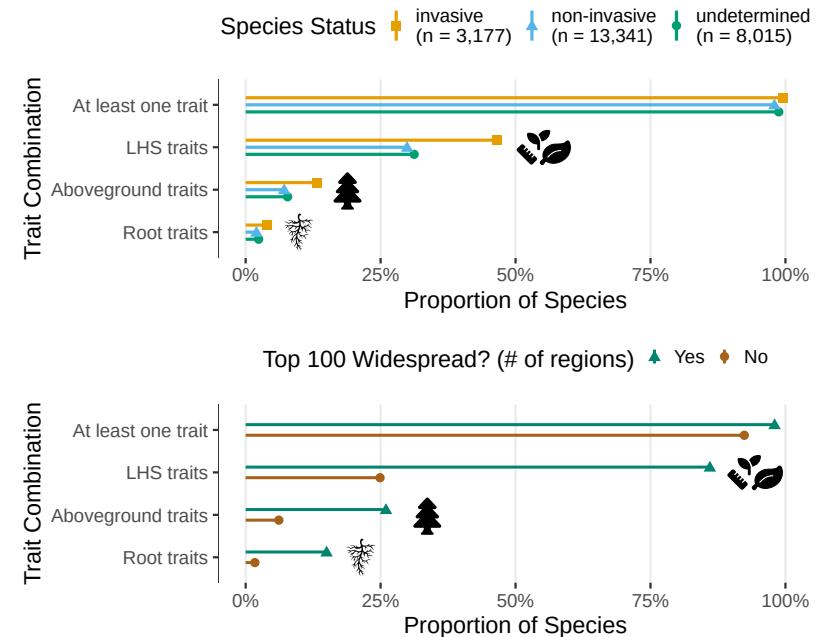


Figure 2 – Trait combination proportions (top) by alien status (bottom) and range size



Take-Home Messages

Global trait databases show overall low coverage of alien species.

Many traits are measured (over 1,875 have been measured at least once) but as soon as we combine them the coverage drops dramatically.

We need a global coordinated effort to increase the trait coverage at global scale: data mobilization, literature search, or targeted field campaign.

This doesn't mean the data do not exist, rather that they are not deposited in global databases. If you have trait data, deposit it in databases like TRY

Deposit your data in TRY
<https://www.try-db.org/TryWeb/Submission.php>