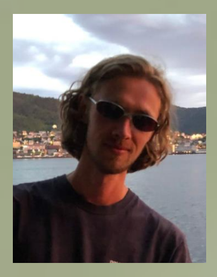



Do traits differ in **invasive** and **red-listed** vascular plant species in Norway?

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Background

Knowledge about what **traits** are found in **invasive** and **red-listed** **species** can help **predict** the **future spread** or **decrease** of these two groups.

Hypothesis

Selected traits

Plant height (PHV)
Height strategies represent a **trade-off** between **light capture, nutrient resource usage,** and **allocation**

Leaf area (SLA)
Investment strategies regarding **growth, survival,** and **reproduction**

Leaf dry mass (LDM)
Dry matter content of a **single leaf**

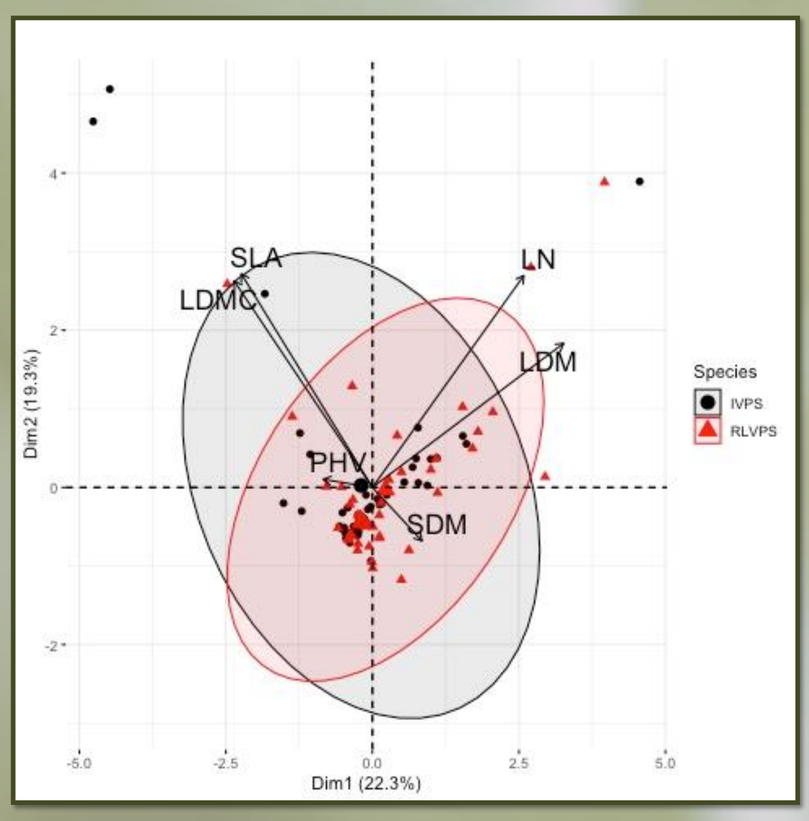
Seed dry mass (SDM)
Dry matter content of a **single seed**

Leaf nitrogen (LN)
Indicates the amount of **photosynthetic proteins** (chlorophyll)

Leaf dry mass/ fresh mass (LDMC)
Ratio of leaf dry mass **per leaf fresh mass**

Results

Our **main findings** indicate that there is a **significant** difference ($p \approx 0.004$) in **one** of the **six** traits of **red-listed (RLVPS)** and **invasive (IVPS) species**.



Conclusion and further research

Out of the **six** traits, **'Seed dry mass'** was **significantly different** in the two groups. This may indicate that seed traits play a role in the **rate of establishing and spreading**. Interesting research would be diving deeper into seed traits for these **groups and compare with a non-endangered native species group.**