



Stabilizing factors in spatially structured food webs

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Background

What enables food webs to endure variable environments?

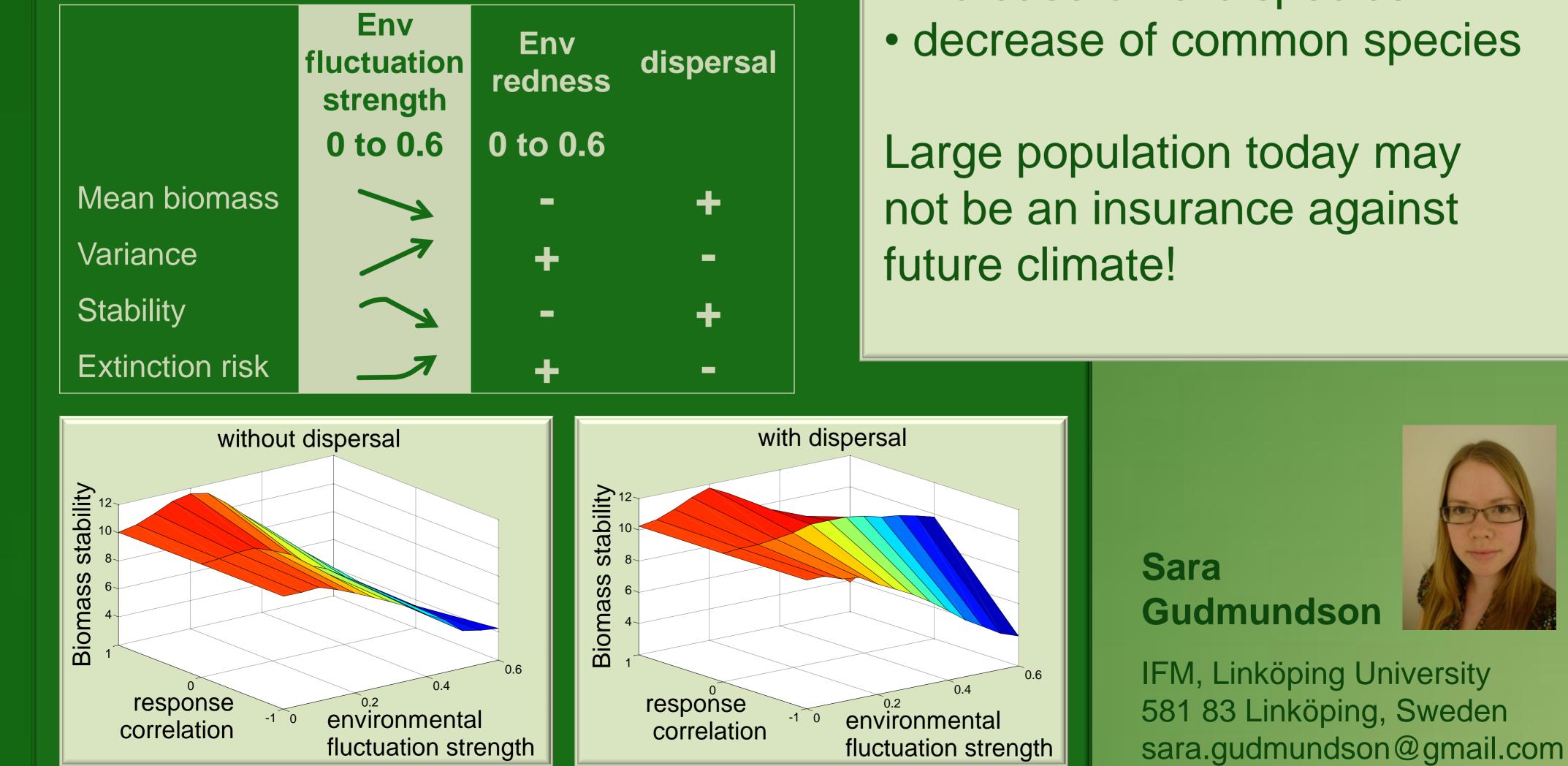
What happens in an increasingly variable environment?



The model

- asynchronous consumers
- coloured environmental variation on consumers mass-action mixing

Results





Conclusions

Dispersal stabilizes food webs

Environmental variation caused

- increase of rare species
- decrease of common species

Large population today may not be an insurance against