

26-30.08  
2024  
TARTU  
ESTONIA

SERE 24

14<sup>TH</sup> EUROPEAN  
CONFERENCE ON  
ECOLOGICAL  
RESTORATION



Laboratoire

image, ville, environnement | LIVE

de l'Université de Strasbourg

et du CNRS

# Wetland plants in pond networks: the same restorative action leading to different outcomes in two locations



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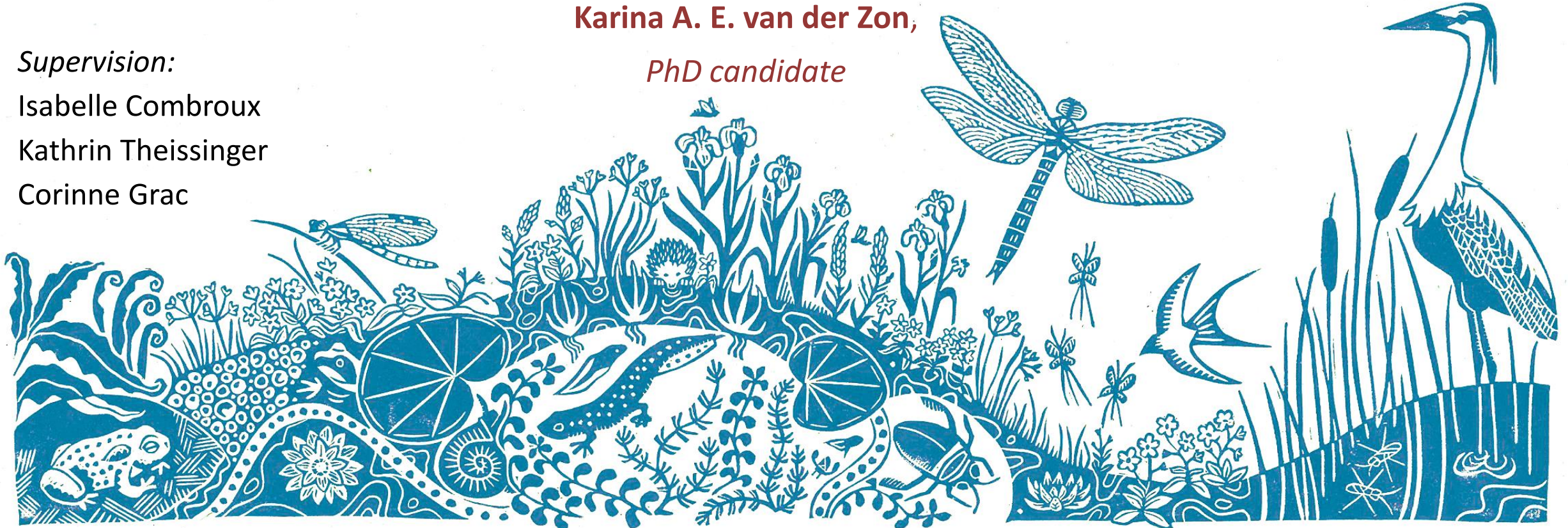


Illustration: Becca Thorne ©

# Restoration assessment including **functional diversity**

Restorative action : pond network creation

Restoration goal: enhancement of biodiversity

*“Are there patterns in the **functional diversity** of created pond networks?”*



# Site locations

Silene

Drained wetlands

27 ponds  
Constructed 2006 to 2018

Former Rhine floodplain

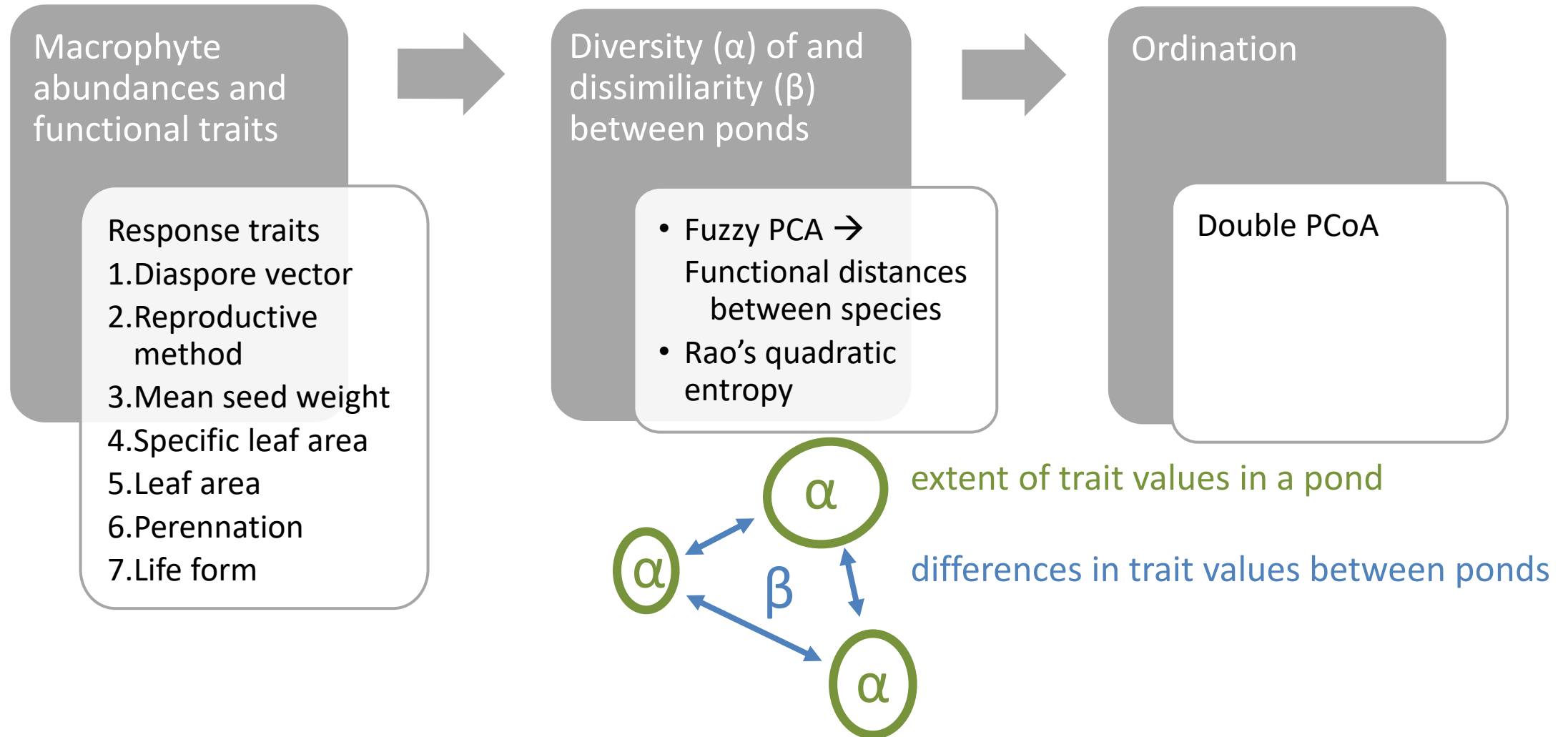
20 ponds  
Constructed 2011 to 2015

Woerr

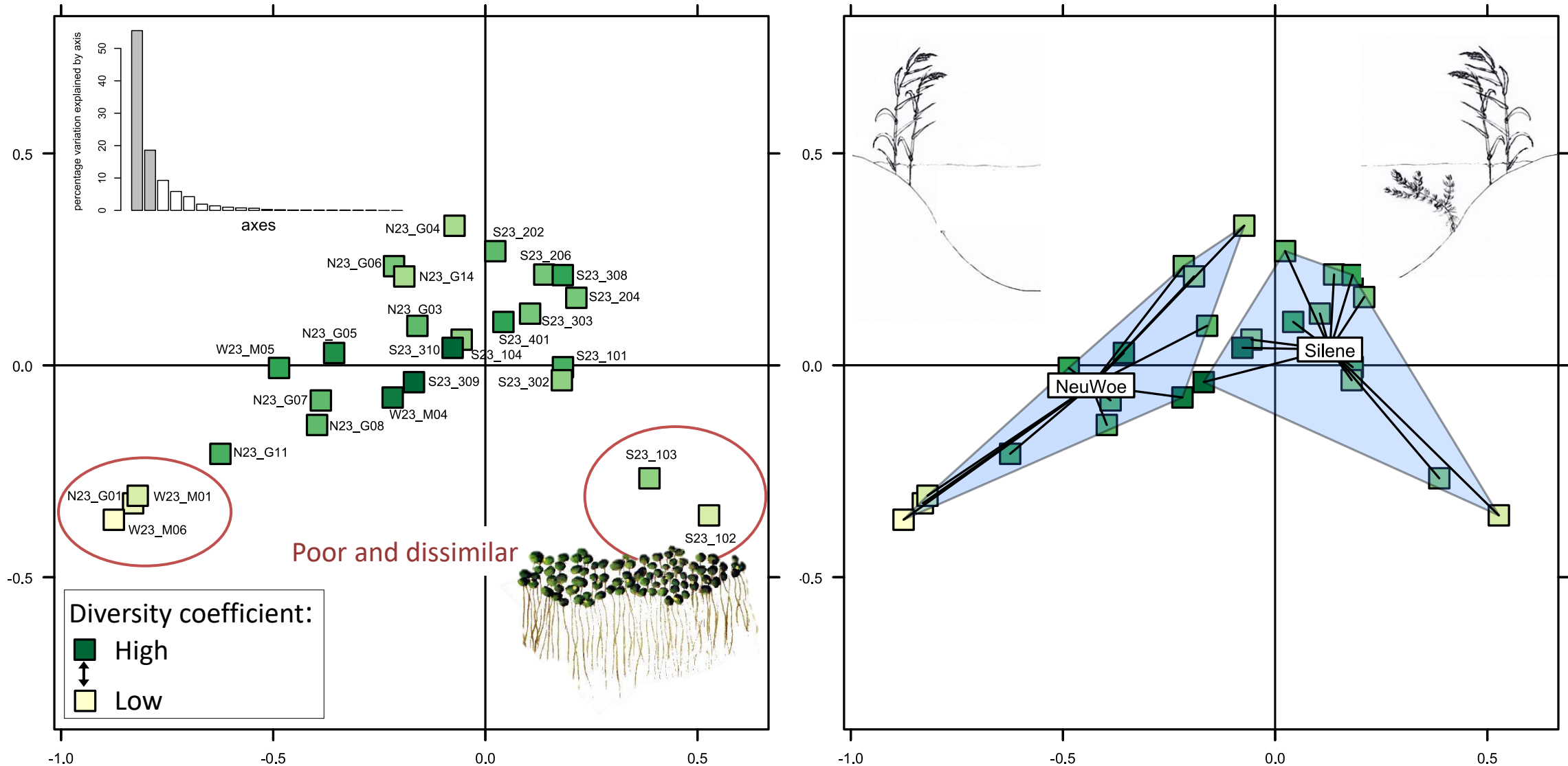
Neuburg



# Functional diversity ( $\alpha$ ) and functional dissimilarity ( $\beta$ )

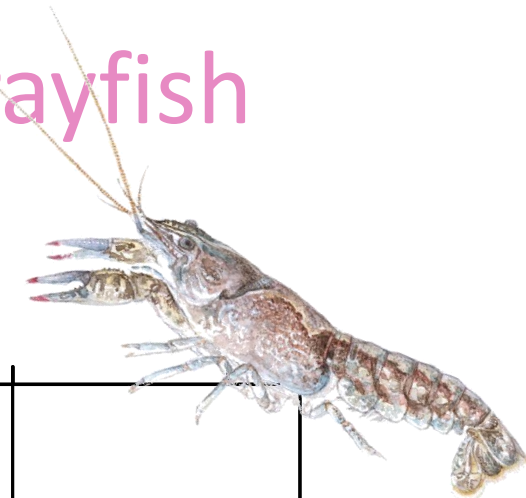


# Ordination of ponds: sites functionally dissimilar

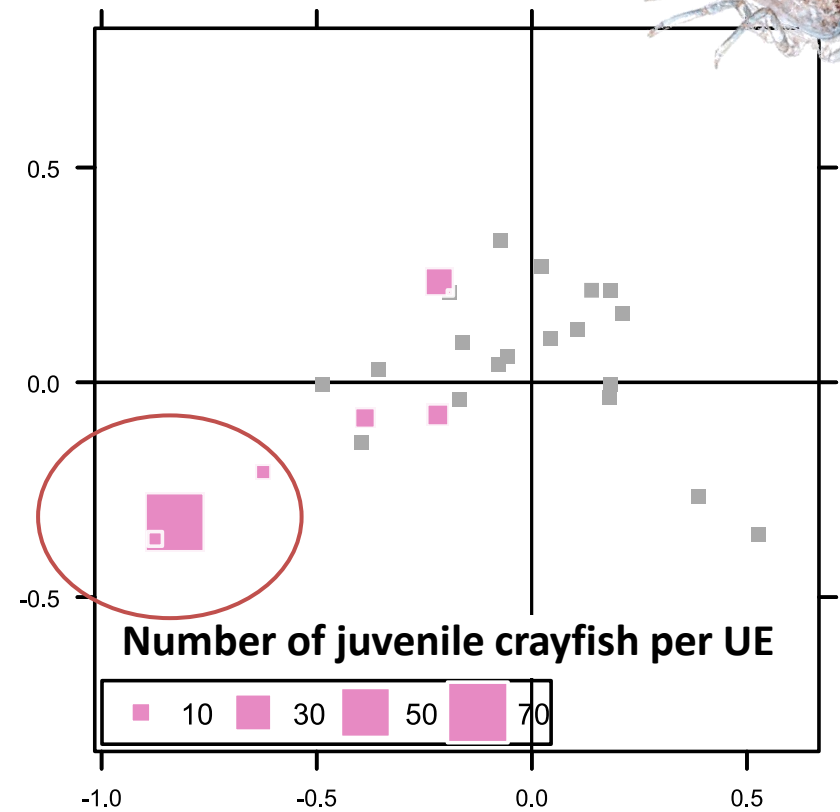
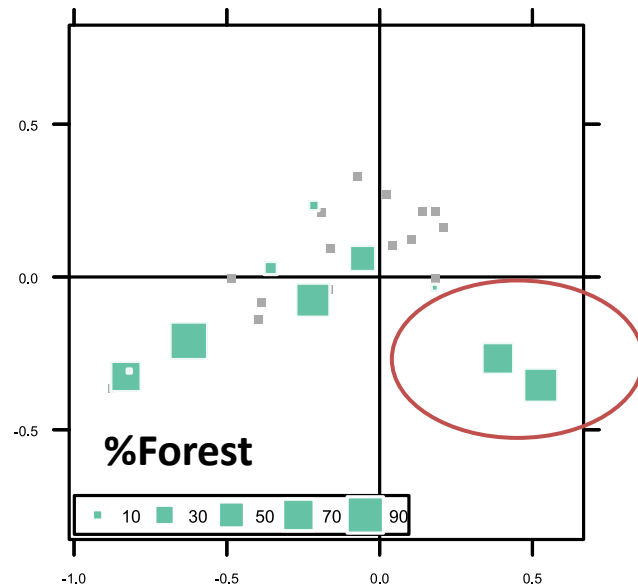
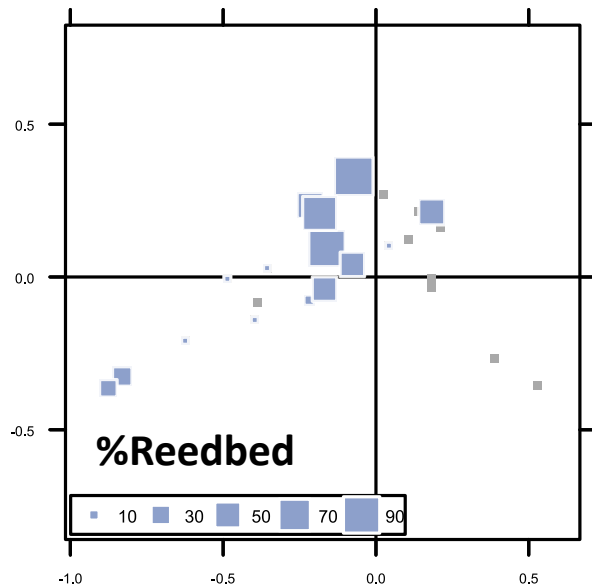
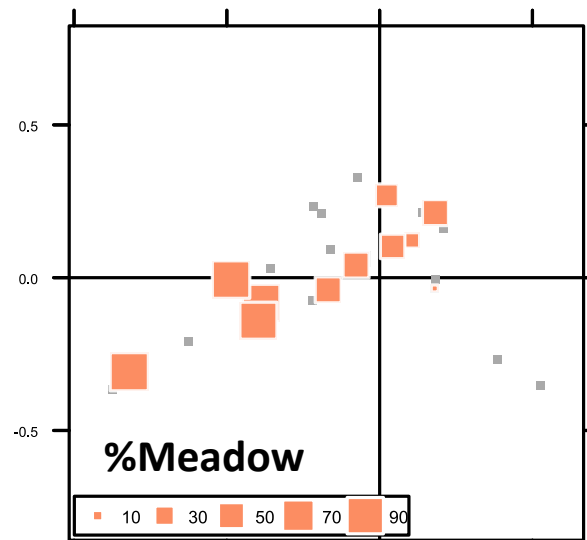
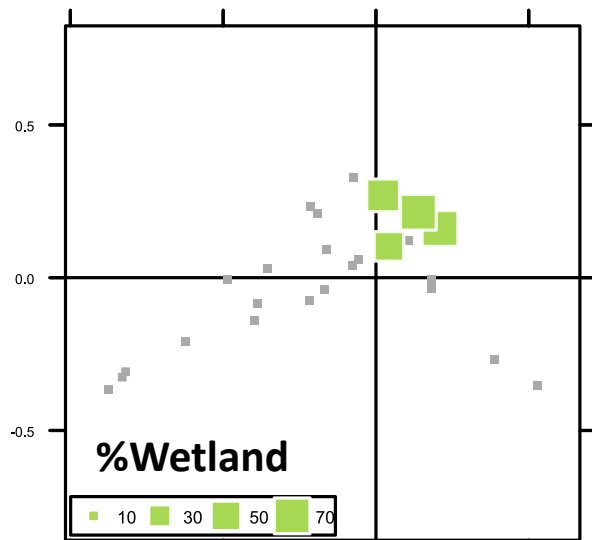


# Discussion: functional dissimilarity, land cover

# and calico crayfish



Aleta Karstad ©



# Conclusion

Range of functional diversities & functional differences between two pond networks

# Perspectives:

+ taxonomic diversity

“Bechmarking **eDNA** metabarcoding for pond biodiversity surveys”

Thank you!

# Questions?

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# Our website:

