

Metabolism 3:

O₂ – CO₂ coupling WG

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H₀: O₂ and CO₂ in lakes are stoichiometrically coupled through metabolic processes

1. To what extent are O₂ and CO₂ coupled or uncoupled in lakes across systems and time?
2. What are drivers of O₂ –CO₂ uncoupling in lakes?
3. What can we learn about ecosystem function from uncoupling of O₂-CO₂ in lakes?

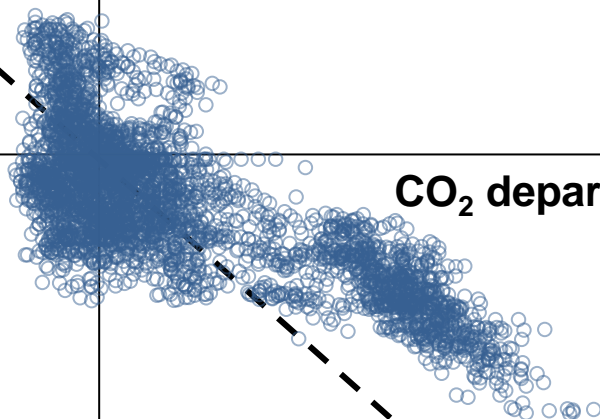
+ O₂, - CO₂

+ O₂, + CO₂

O₂ departure→

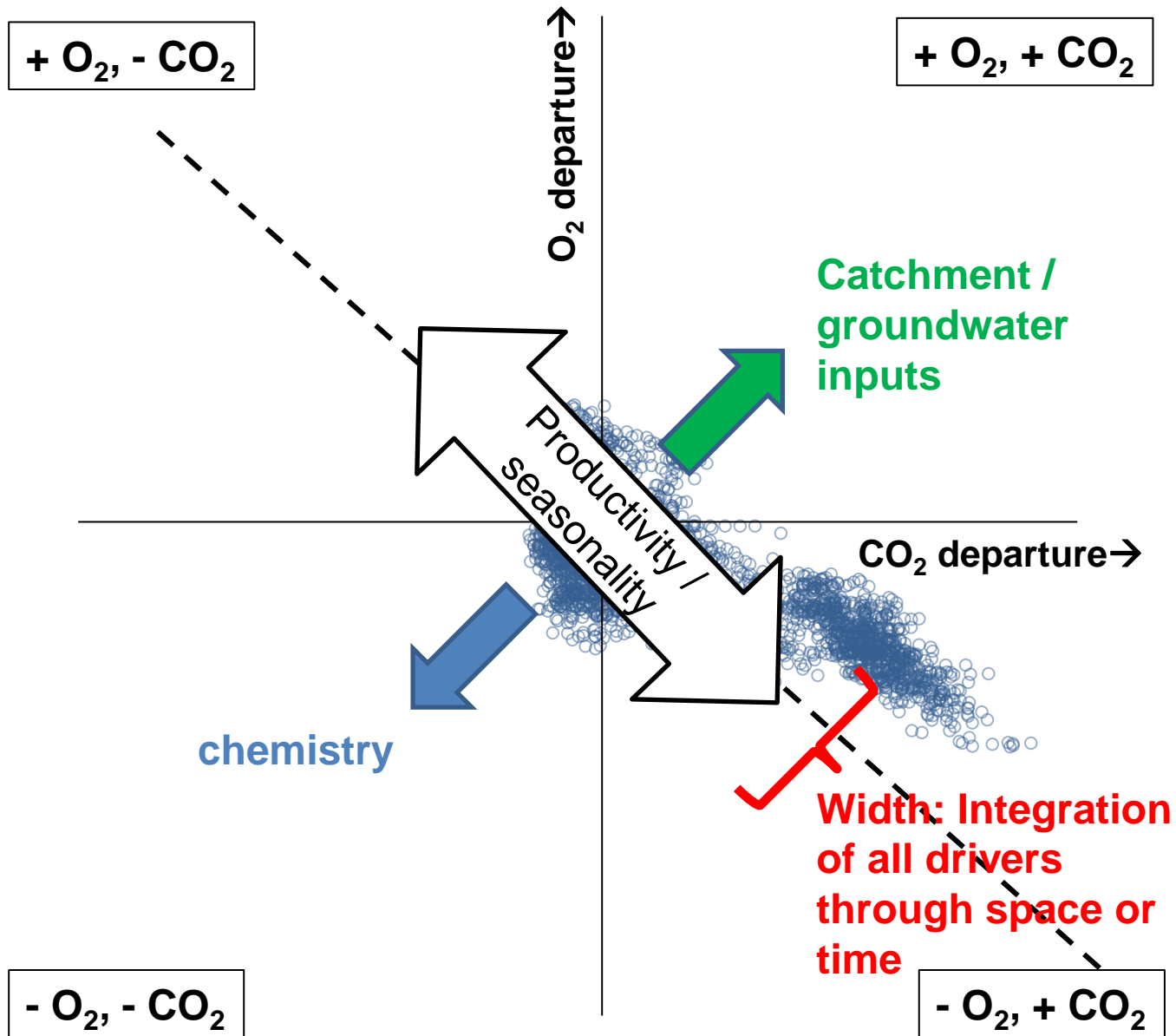


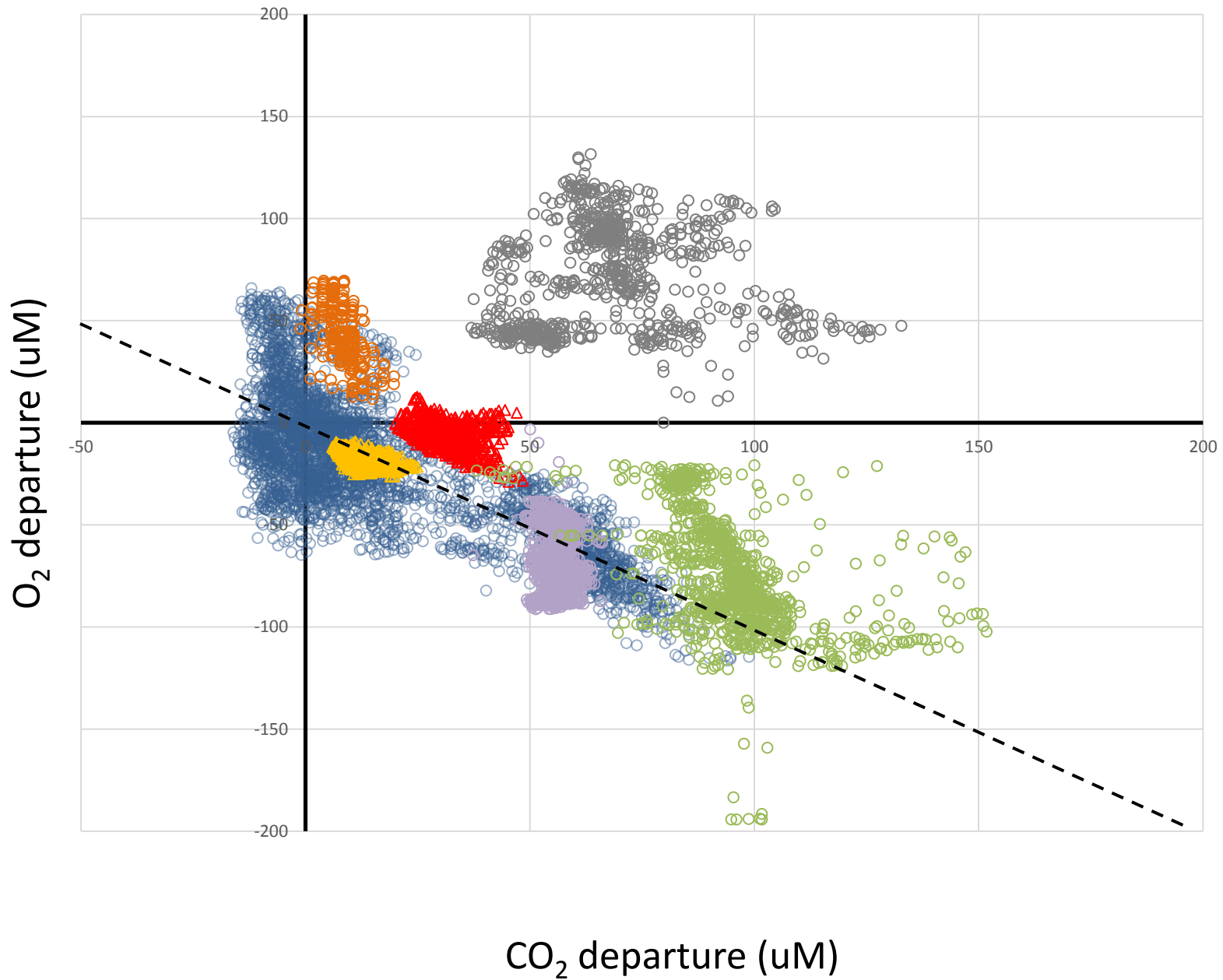
CO₂ departure→



- O₂, - CO₂

- O₂, + CO₂





- Gather O₂-CO₂ data before Christmas
 - high frequency preferred but weekly is good too
- Will be on GLEON Project Tracker in the next week
 - green but will shift to yellow soon
- Aiming for a draft before Helen's baby (March 2015)

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