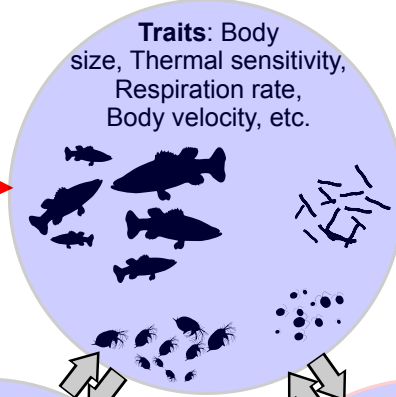


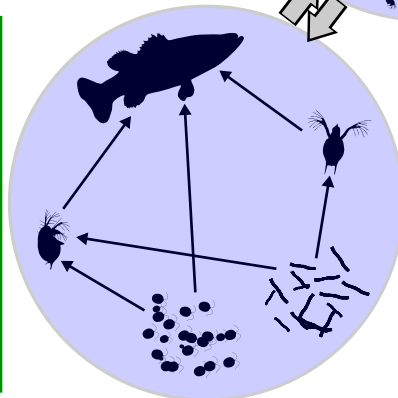
Individuals

System \Rightarrow Metabolic rate & fitness

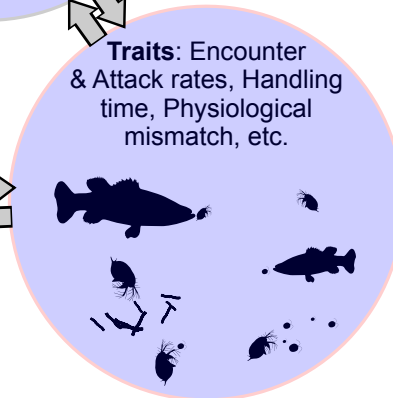


- Generalities and deviations in metabolic and biomechanical traits
- Evolution of thermal responses and origins of physiological mismatches

Environmental forcing \rightarrow
(Temperature, Physical medium)



Interaction networks
System \Rightarrow Multi-population dynamics & community stability



Interactions
System \Rightarrow Coupled population dynamics & mean fitness

- Stability of ecosystem services
- Ecosystem resilience, invasions, re-assembly
- Disease dynamics
- Evolution in complex networks

- Biomechanics of interaction rates
- Consequences for consumer-resource and competitive dynamics (including invasions)