



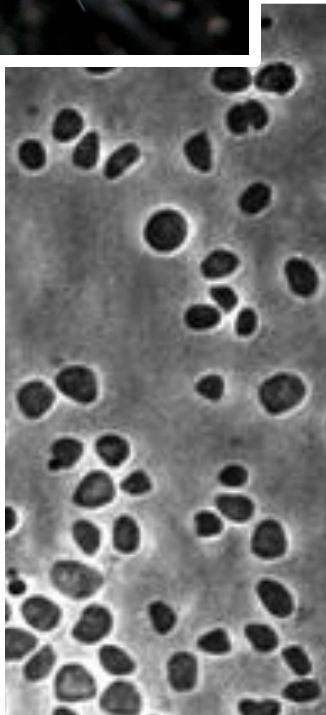
WHY ARE YOU STARING IN THAT PUDDLE?

Identifying and Testing Climate Change Conservation
Strategies in an Underappreciated Model System

Christopher Nadeau. University of Connecticut.



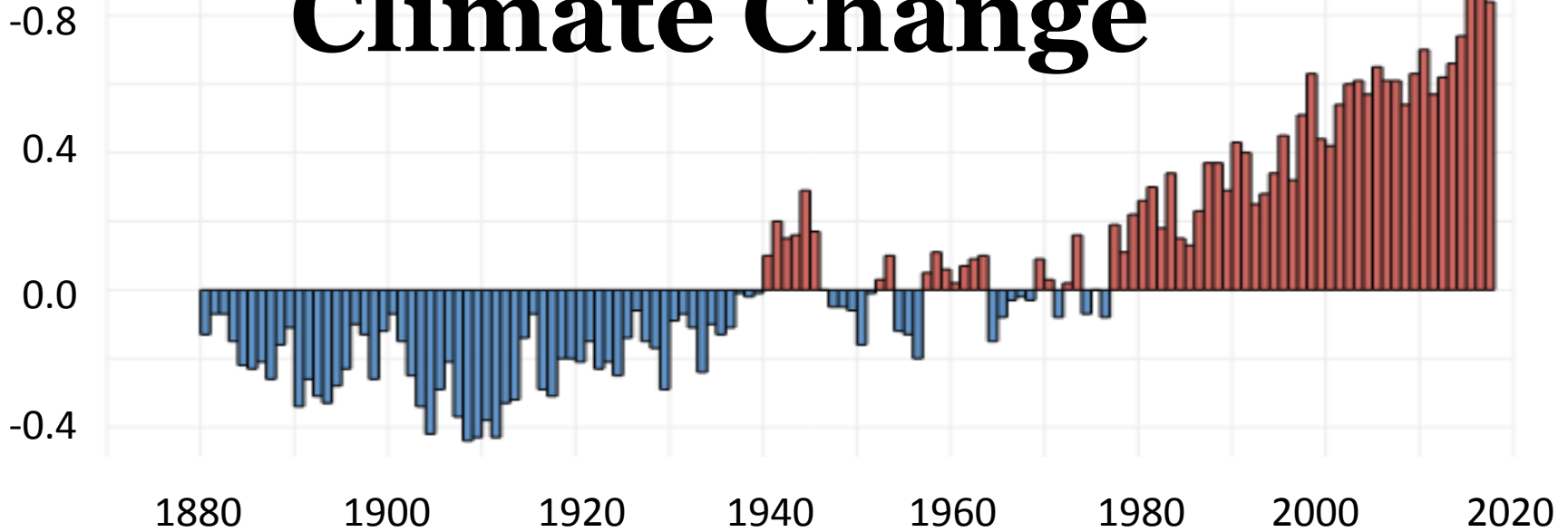
@cpnscience



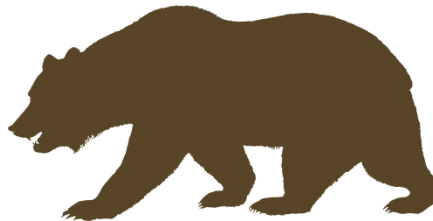
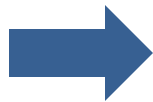


Temperature Anomaly (°C)

Climate Change



Altering Life at All Levels





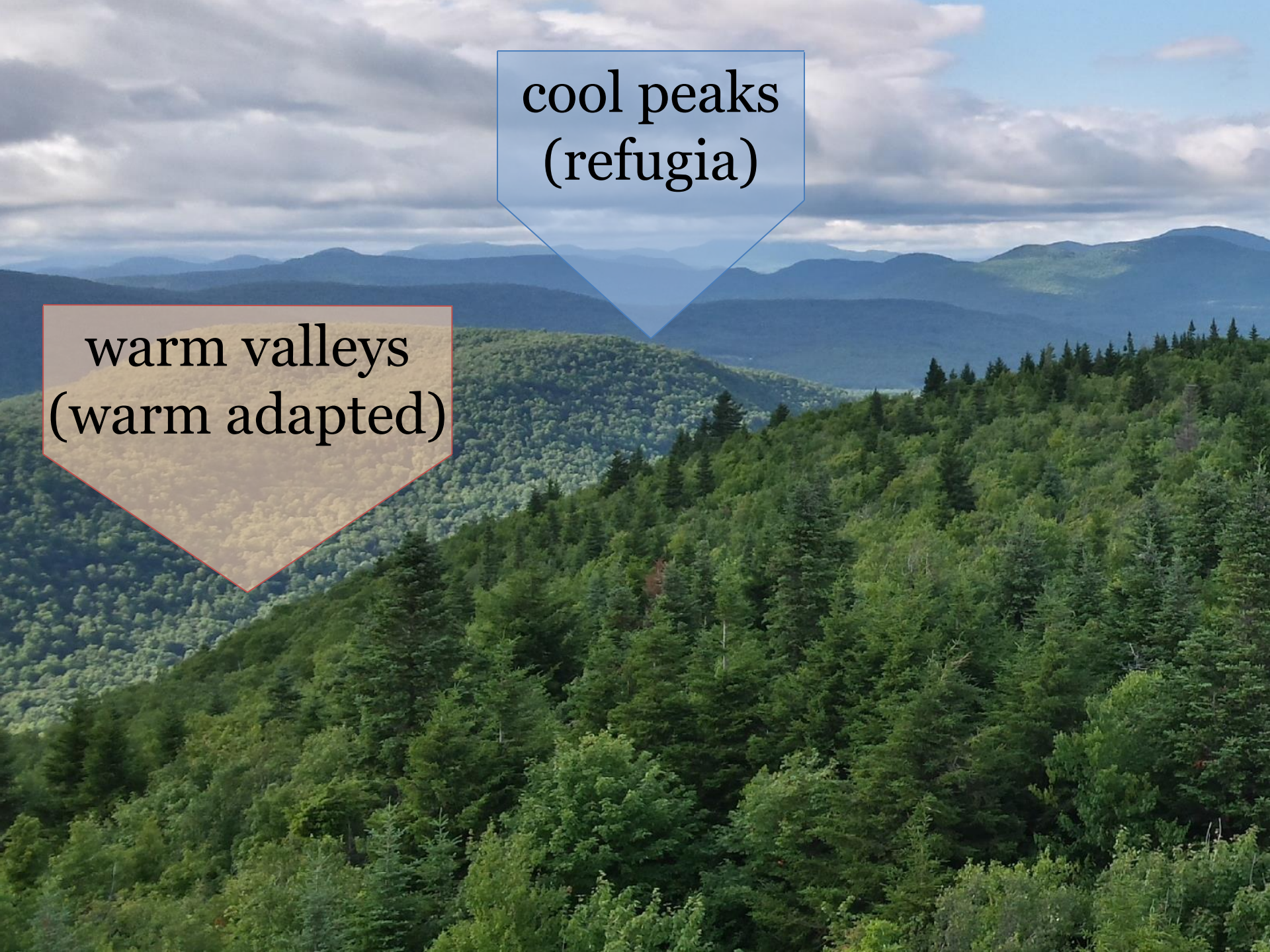
Extinction

FRESHWATER Rock Pools





Daphnia magna



cool peaks
(refugia)

warm valleys
(warm adapted)

Difficult to:

1

measure temperature
at relevant spatial scales



2

measure temperature
tolerances

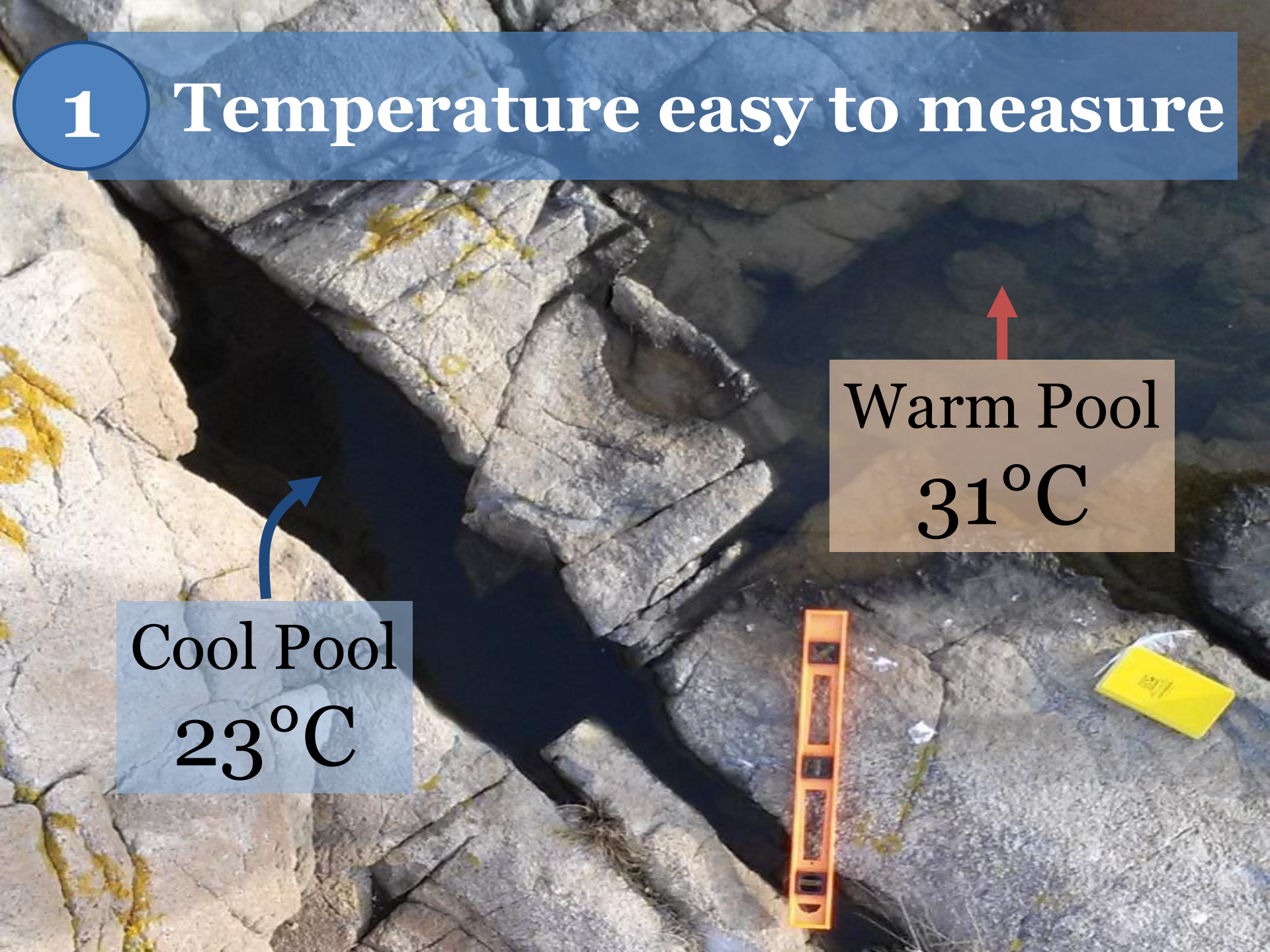


3

simulate climate change



1 Temperature easy to measure

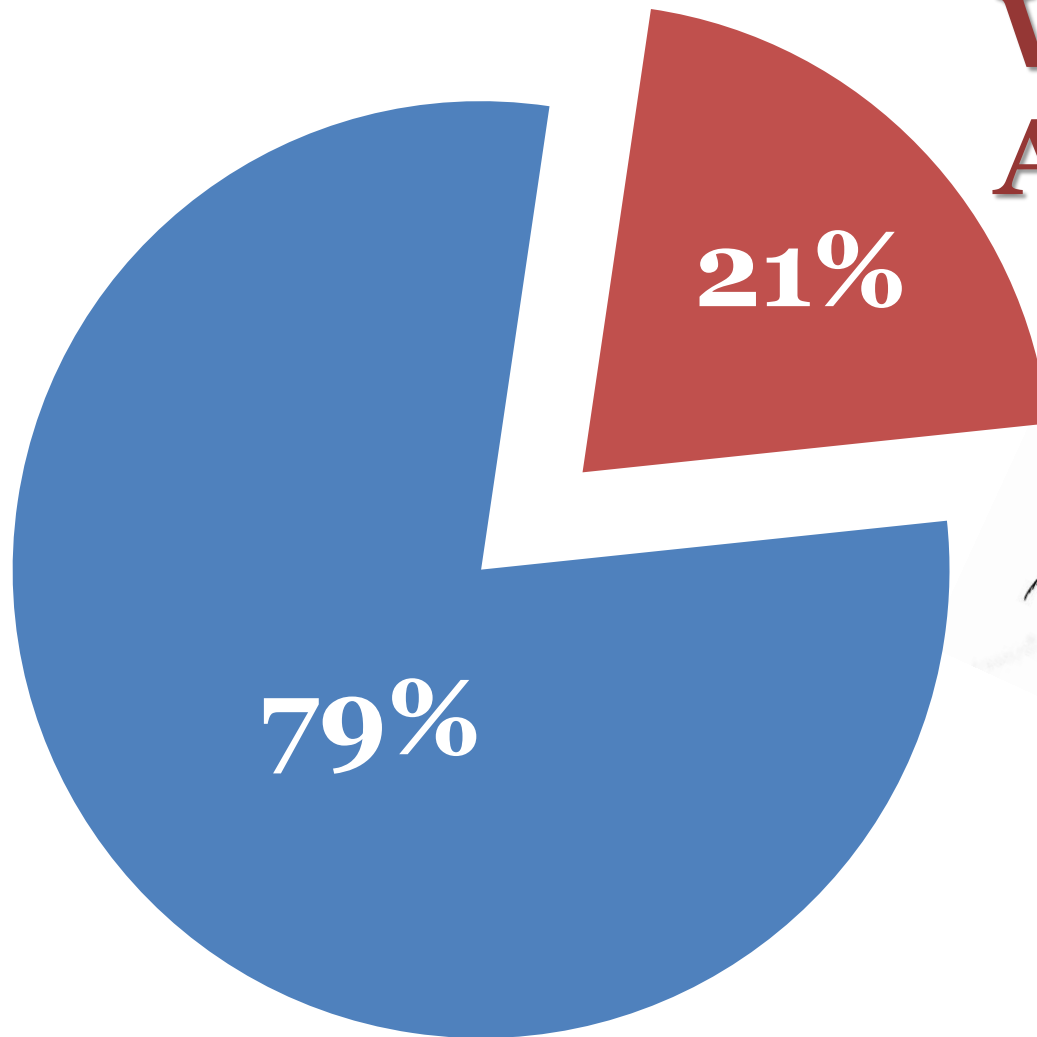


Cool Pool
23°C

Warm Pool
31°C

2

Warm adapted individuals



**Warm
Adapted**

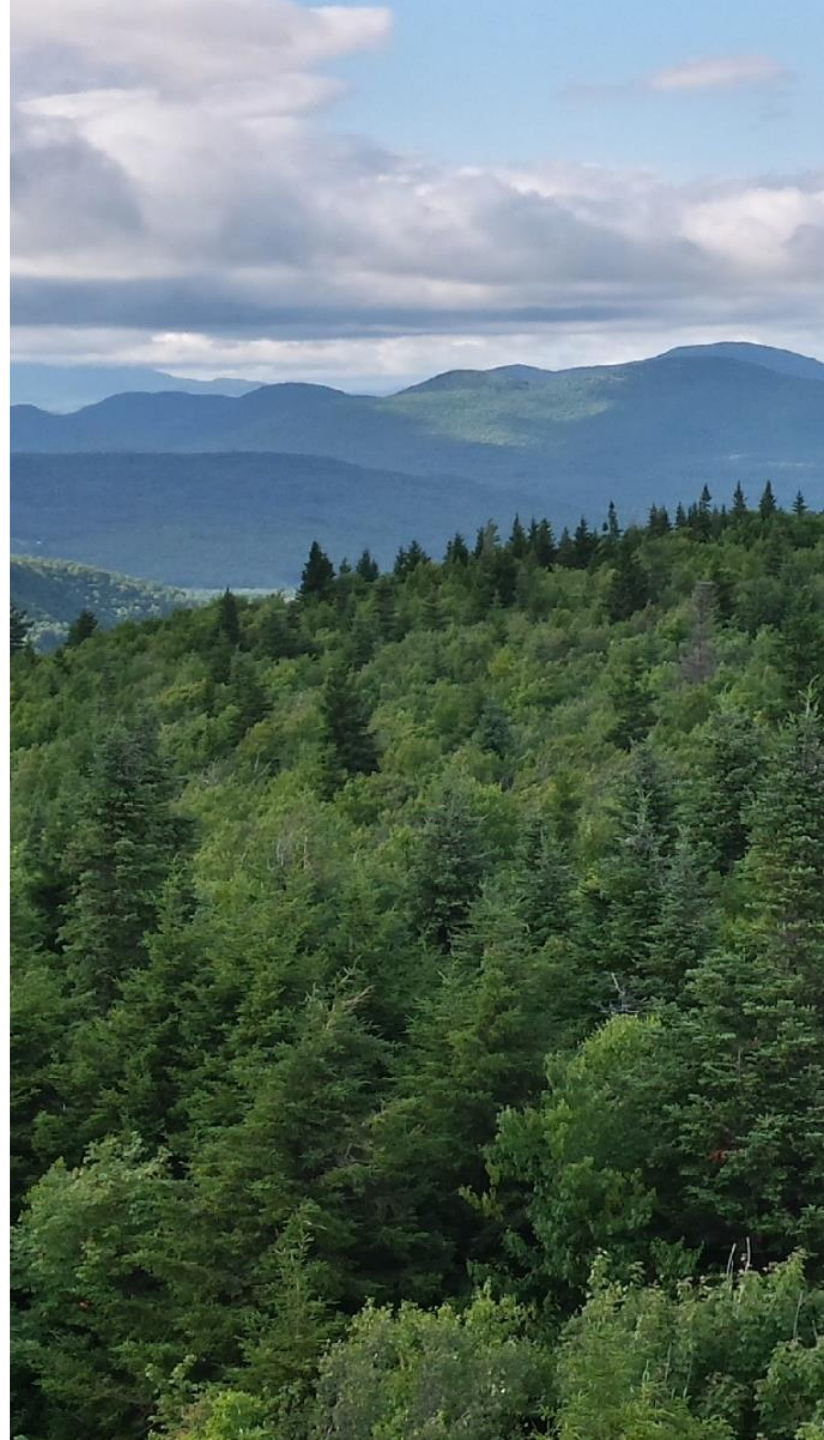


Daphnia magna

3

Whole-ecosystem warming





Second Century Stewardship Fellowship

