

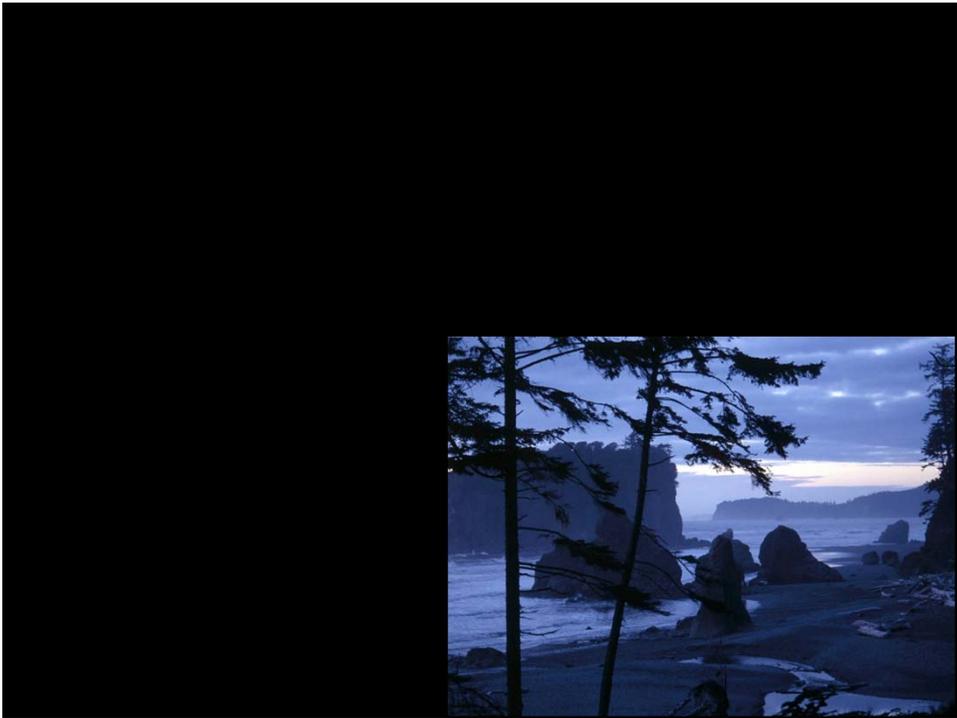


assessing ecosystem health
in the face of a changing climate

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national marine fisheries service
northwest fisheries science center
seattle, washington



is the ocean healthy?





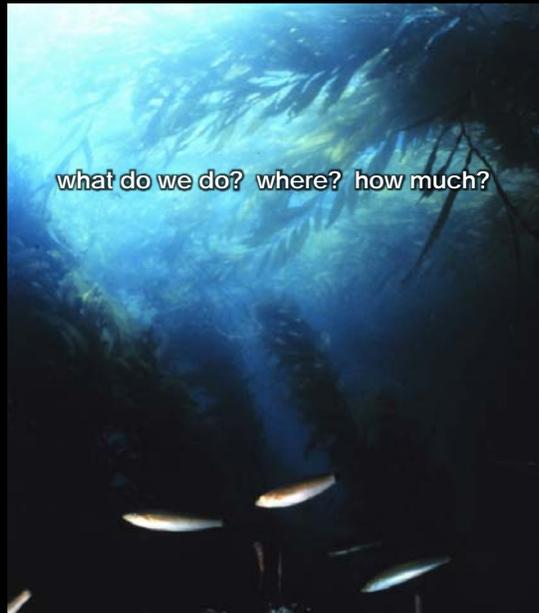
who are we?

what do we believe in?

how do we want to interact
with the world?

the ecosystem management challenge

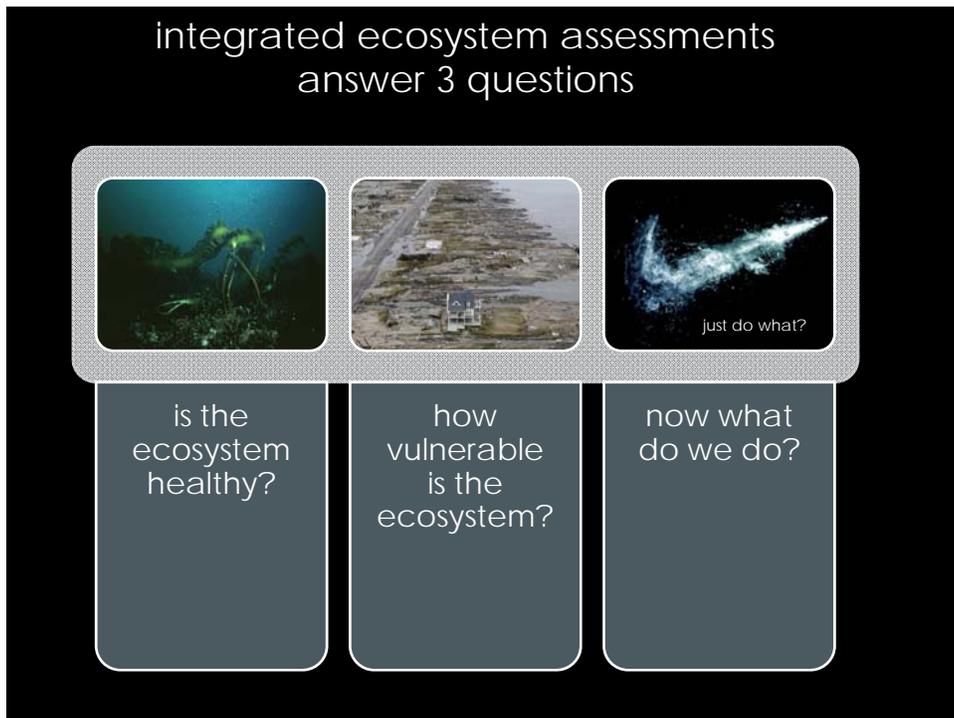
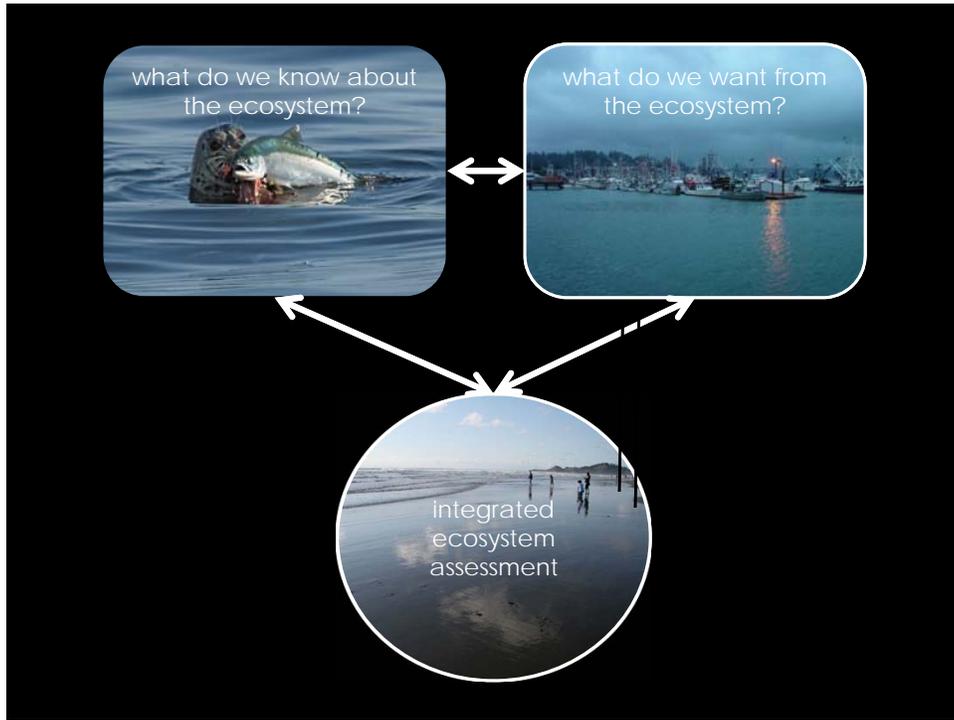
- ecosystems provide a large number of goods and services
- these services interact, often in ways we don't understand
- people place different values on different services

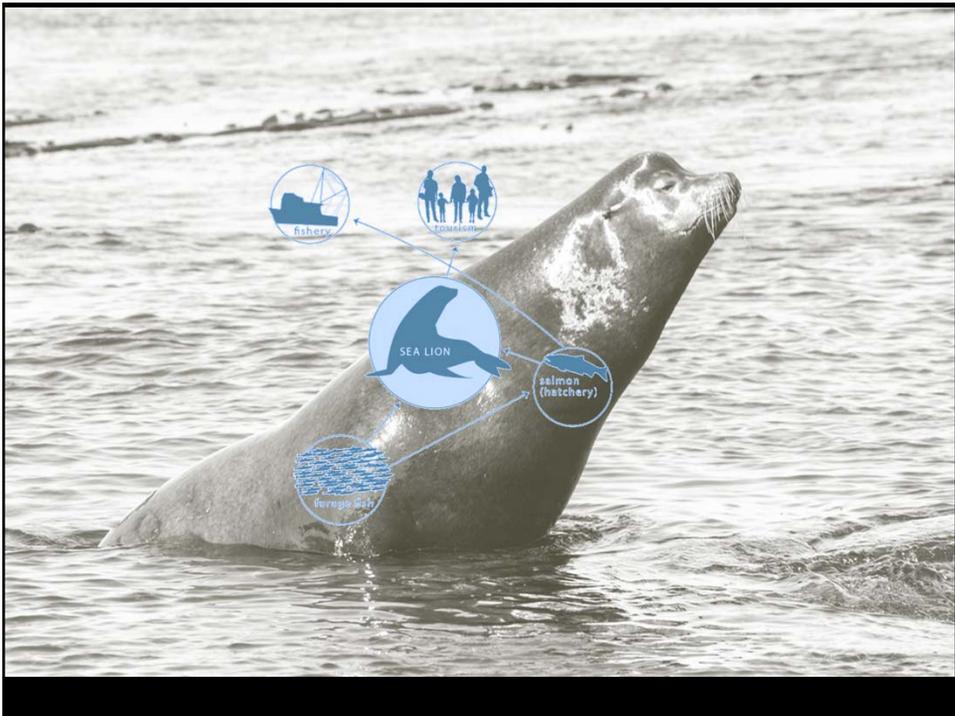


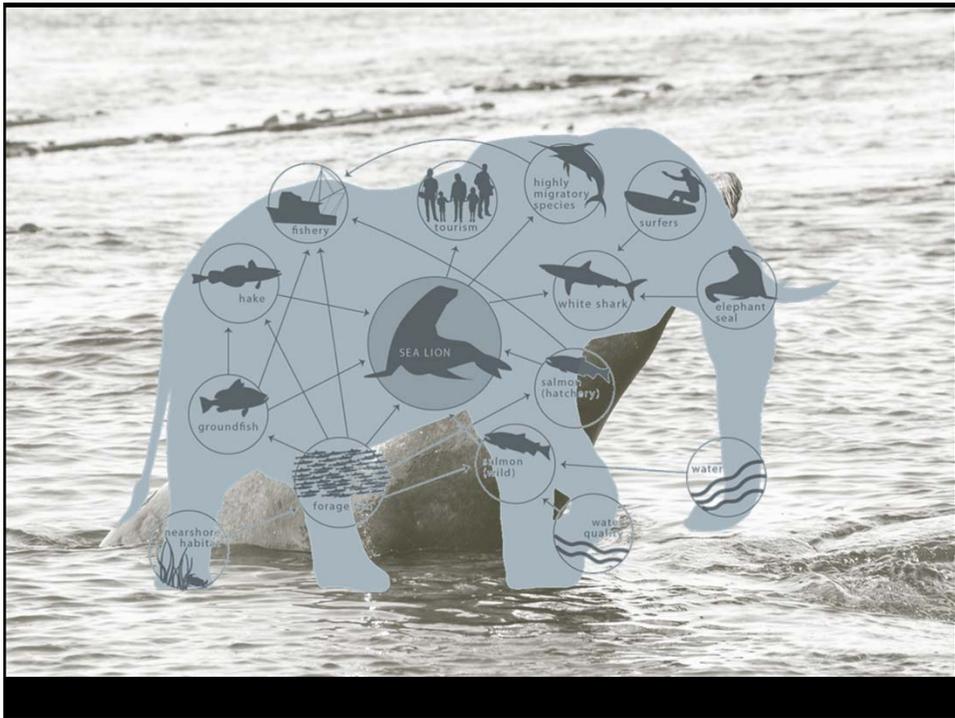
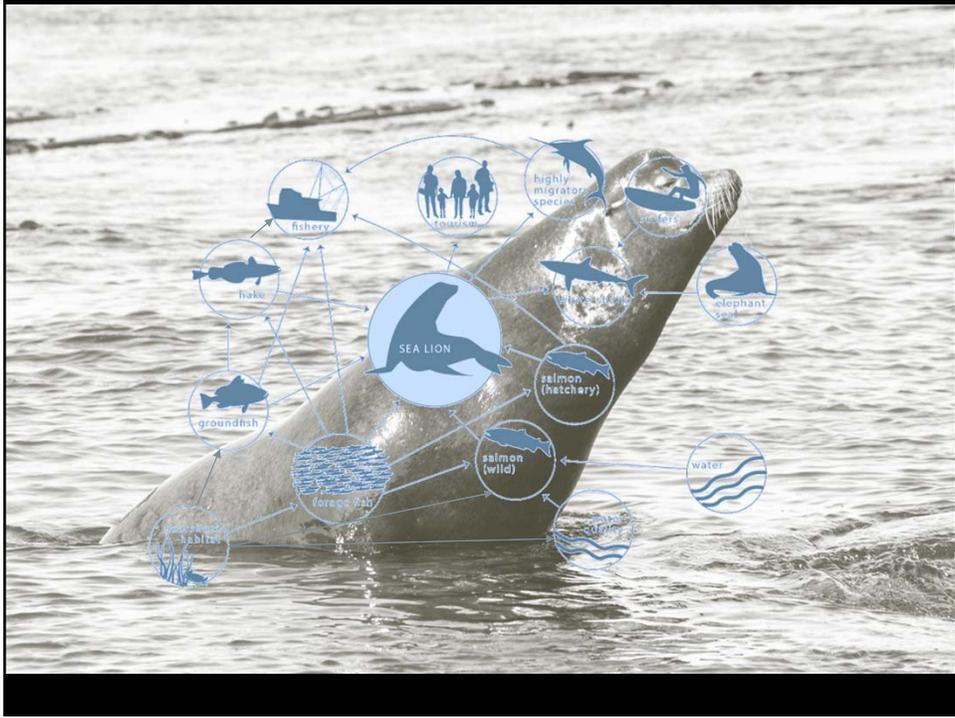
integrated ecosystem assessment

- a next generation tool for ocean coastal management
- a process to inform management decisions









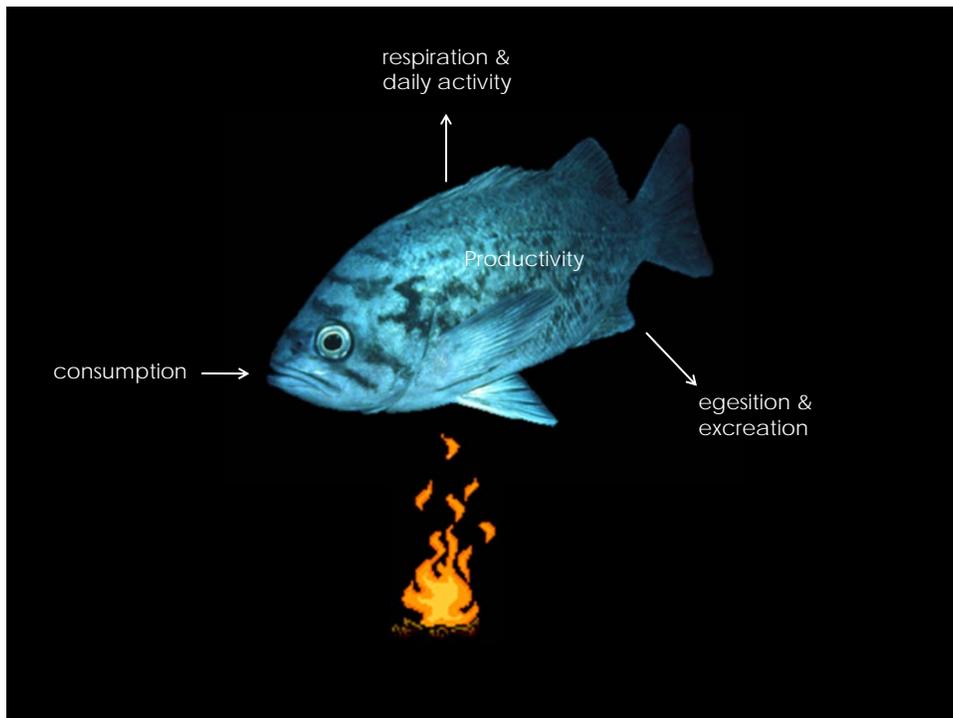
integrated management in the face of...

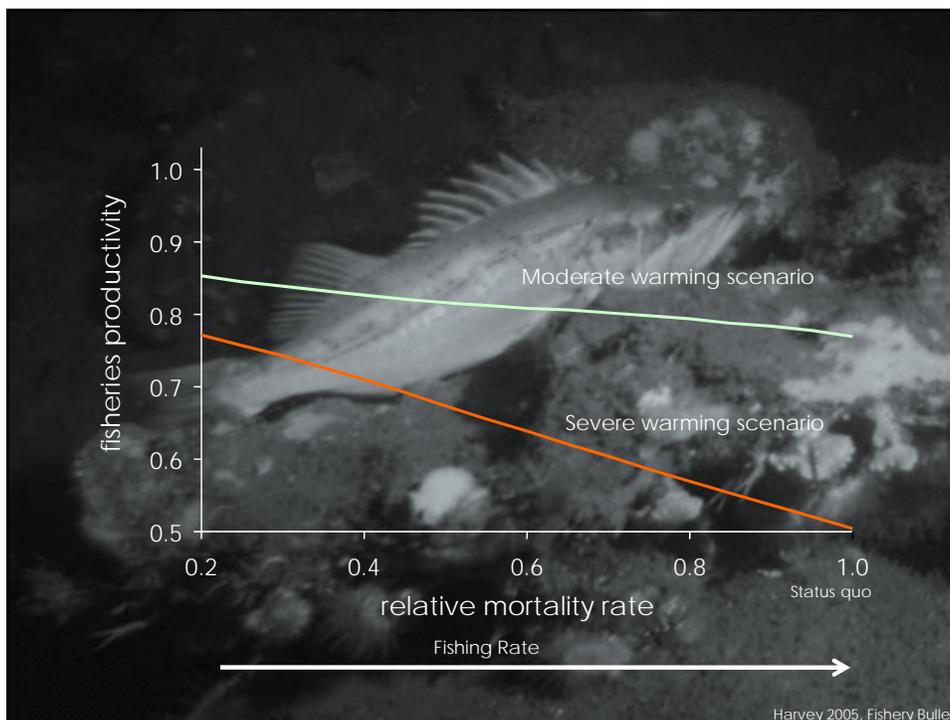
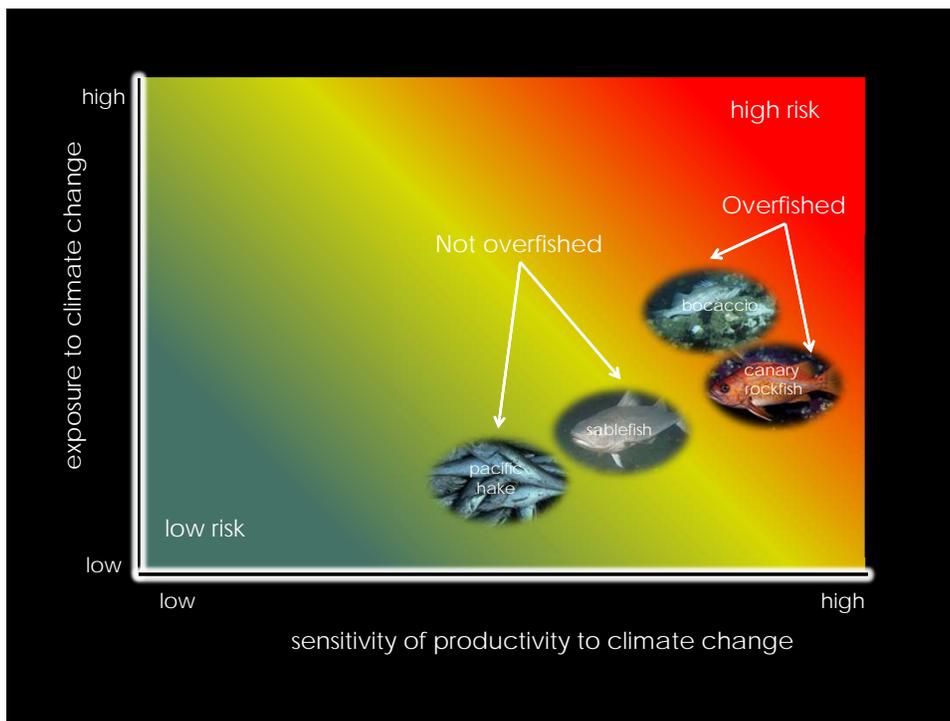


changing temperatures



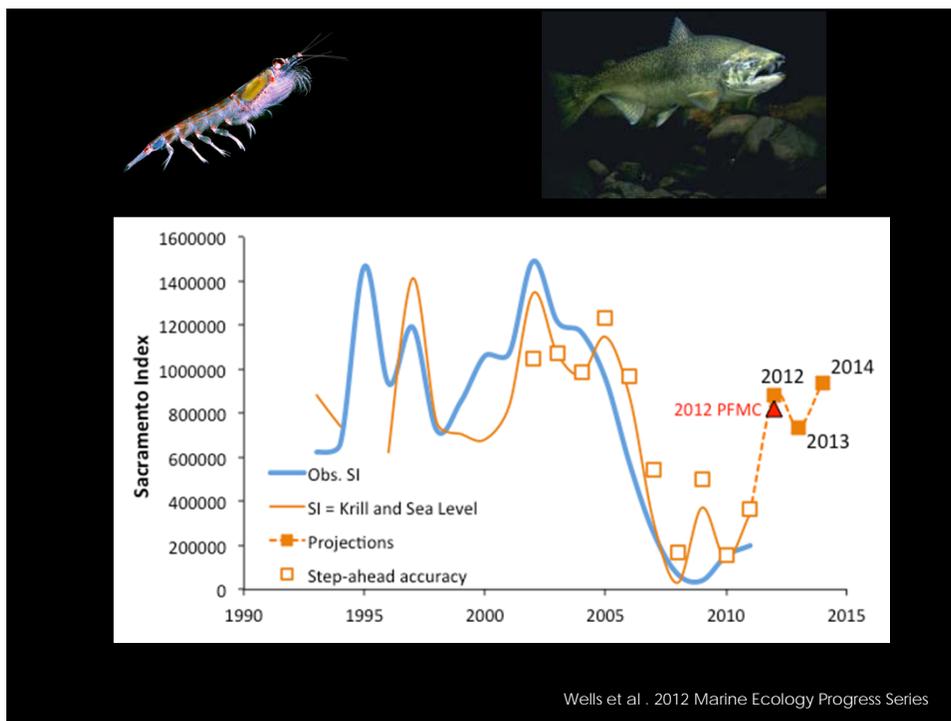
changing productivity

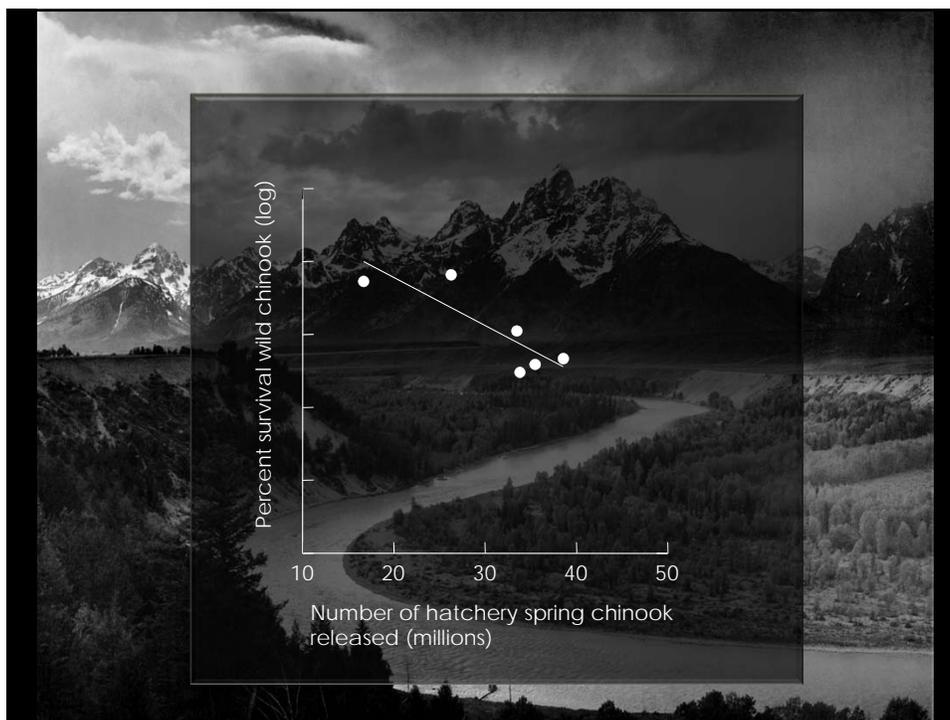
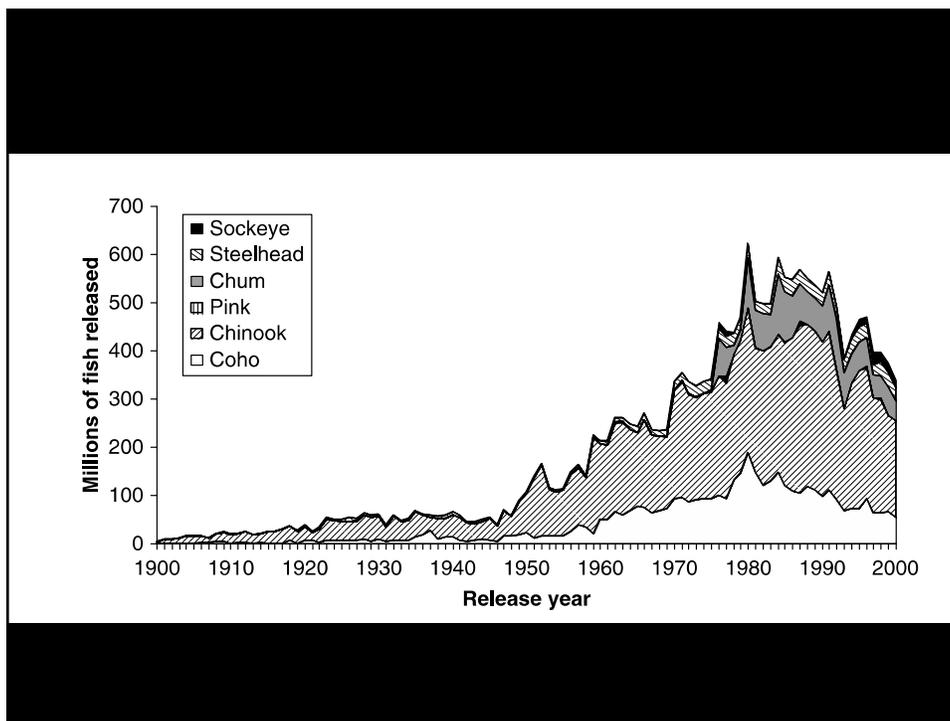


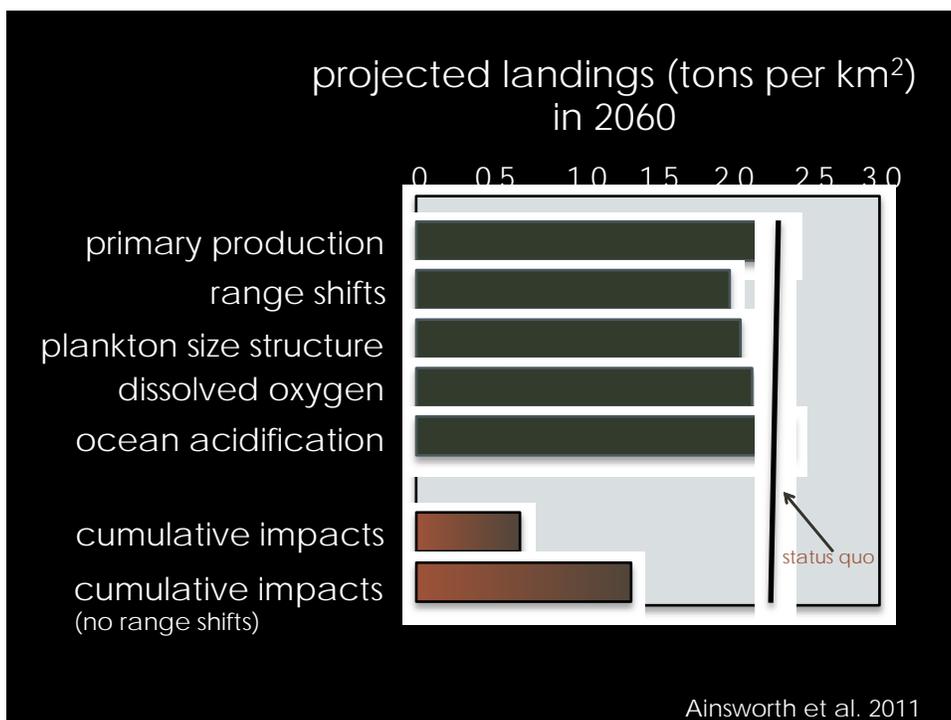
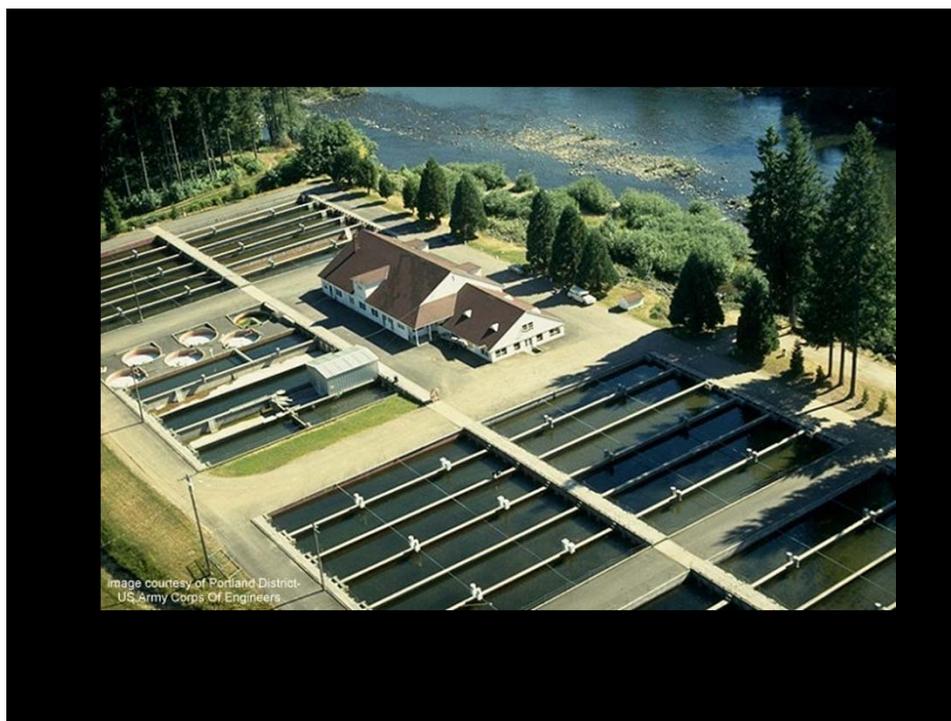


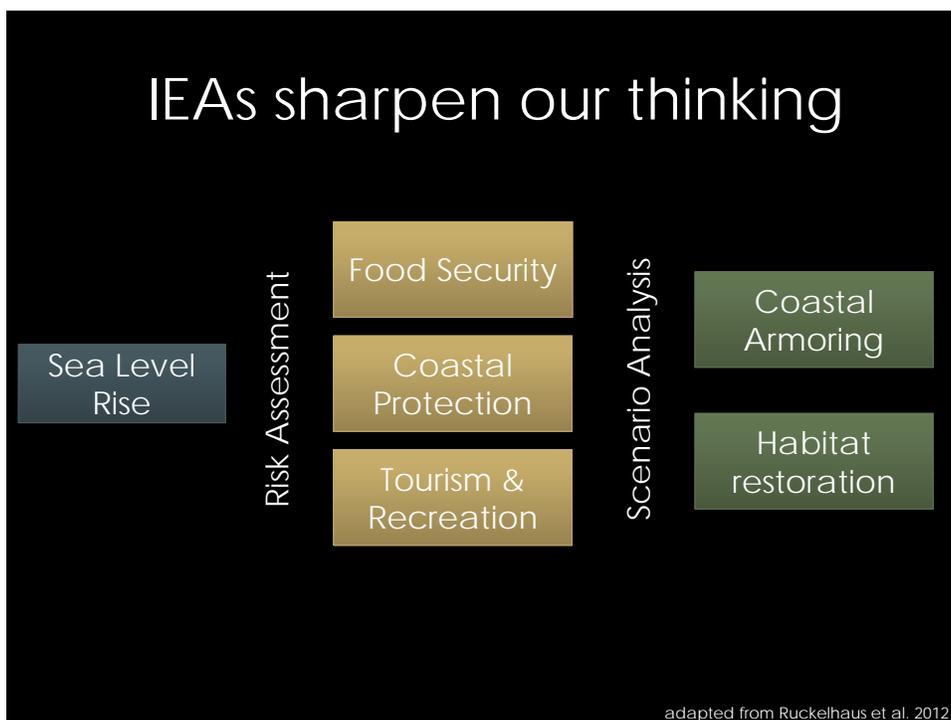
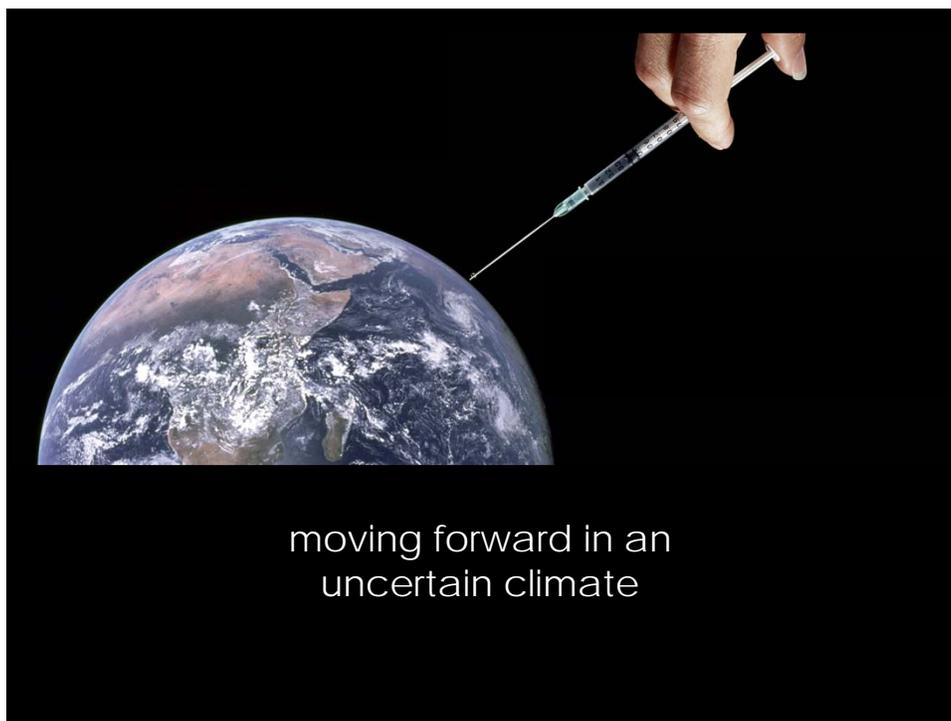




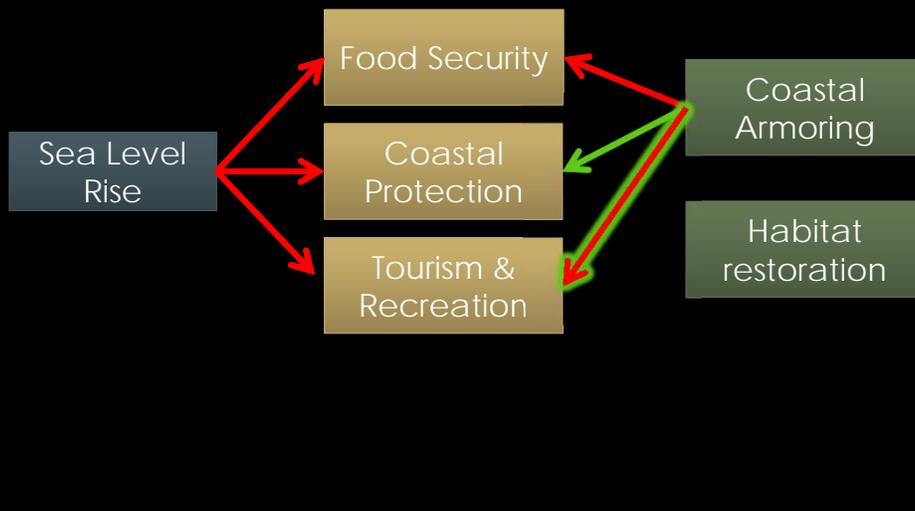




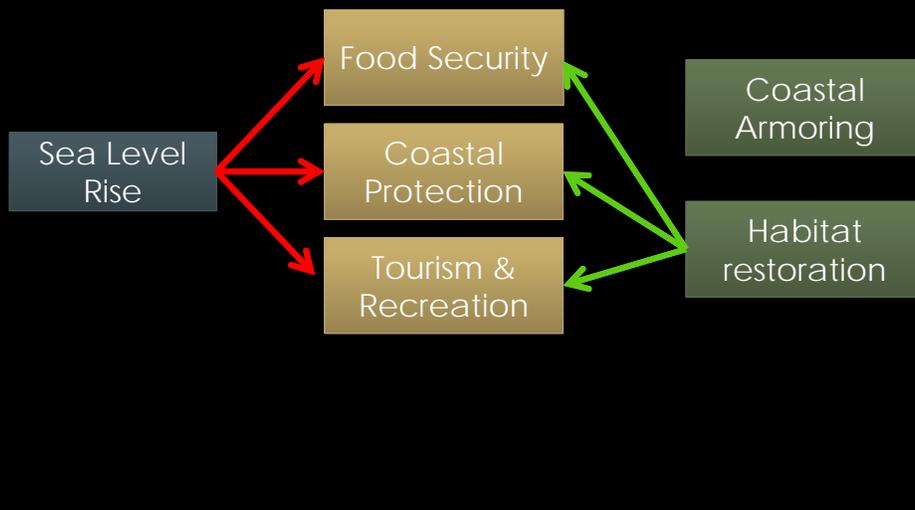




IEAs sharpen our thinking



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just do what?

How will climate change affect ecosystem health?

How do these changes impact human well being?

now what do we do?



A crossroads

We are drowning in information,
while starving for wisdom.
- E. O. Wilson