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Green Growth based on Marine Resources

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GreenMAR
GREEN GROWTH BASED ON MARINE RESOURCES:
ECOLOGICAL AND SOCIO-ECONOMIC CONSTRAINTS



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Picture by Corey Arnold, www.coreyfishes.com

Green growth

- Include natural capital (nature) into “wealth”
- ... But difficult to put a price on nature
- Renewable resources can be depleted... there will be trade-offs



www.colourbox.com

North-East Arctic cod – effects of fishing



Picture by Corey Arnold, www.coreyfishes.com

With technological change, fishing pressure increased in the 1930s

... spawning cod (“skrei”) became younger and smaller



WHY?

“Nothing in biology
makes sense except
in the light of evolution”

Dobzhansky, 1973

“Nothing in evolution or
ecology makes sense except in
the light of the other”

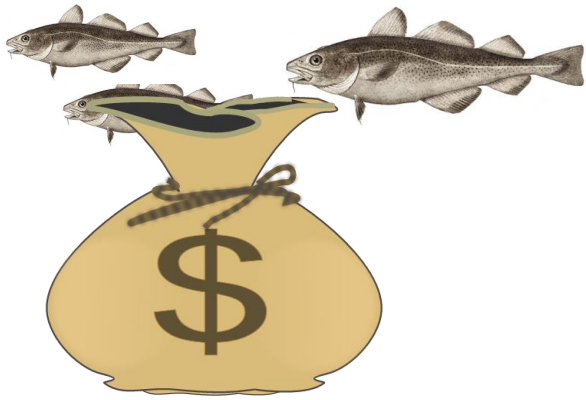
Pelletier et al. 2009





Picture by Corey Arnold, www.coreyfishes.com

High fishing mortality



Low fishing mortality



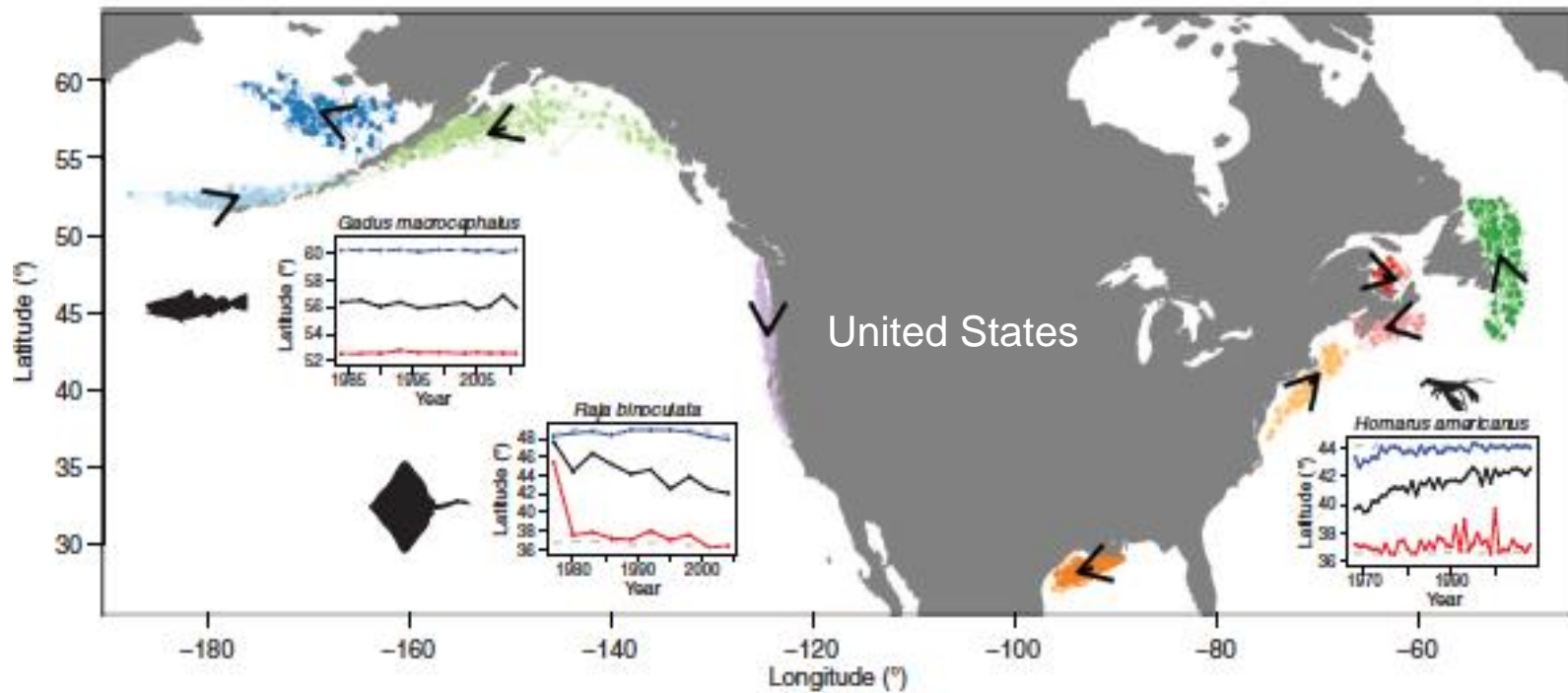
Fish less: keep the fish stock adaptive and more productive

Climate change, fish and fisheries



Picture by Corey Arnold, www.coreyfishes.com

Species follow their preferred temperatures





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