Mainstreaming the impacts of climate change on biodiversity: A Canadian perspective

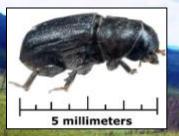
Aerin Jacob Liber Ero Fellow University of Victoria



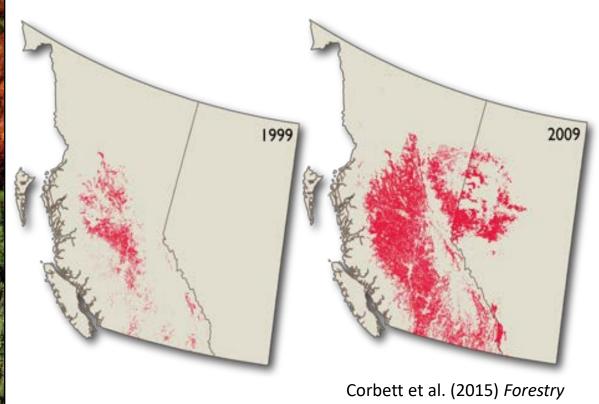
@Aerin_J #CECMerida

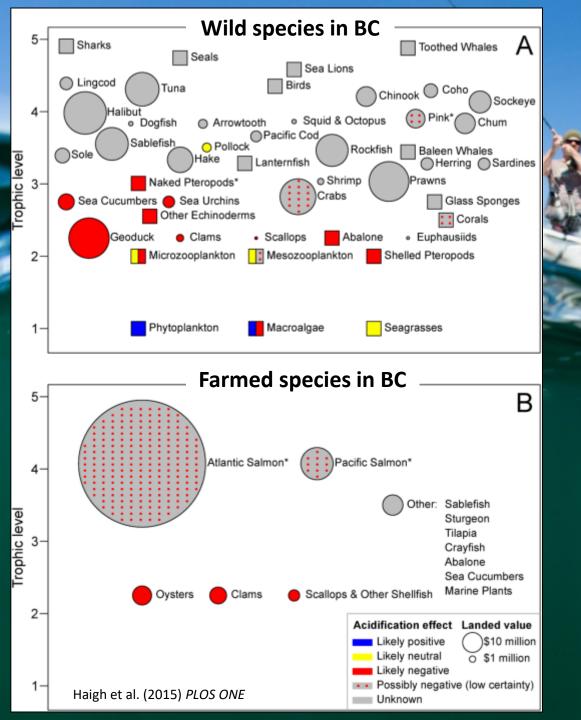


Mountain pine beetle



- Affected 20% of BC's land area
- Killed 53% commercial lodgepole pine
- Projected economic impact = \$57B (2009-54)

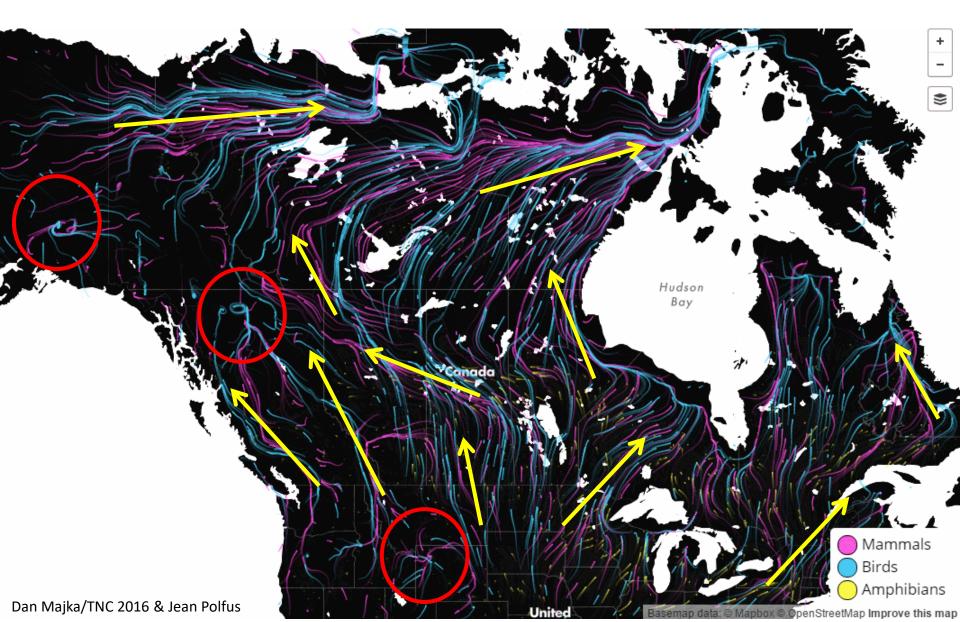


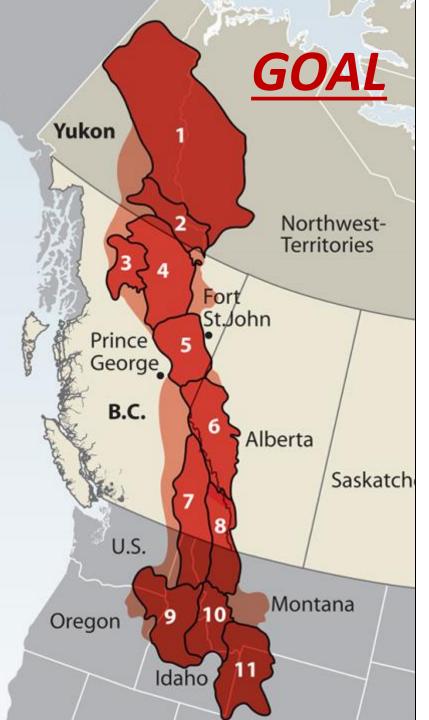


Ocean acidification

Jeremy Koreski

(Some) Species are moving north





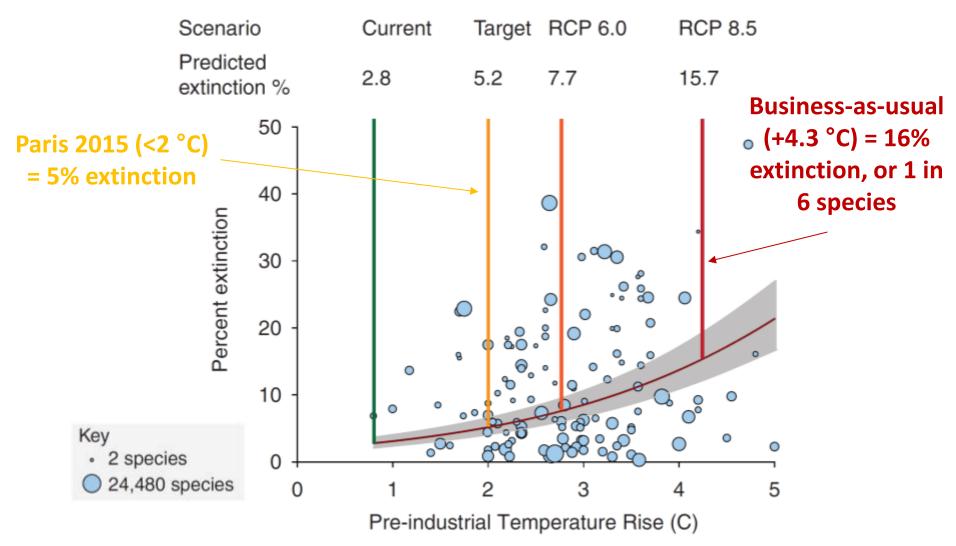


VISION: Habitat connected from Yellowstone to Yukon

WHY: Critical for species with big ranges; even more so under climate change



Extinction risk rises with temperature



Urban (2015) Science

Progress comes from sticking your neck out

Be **bold**

Be **creative**

Be **strategic**

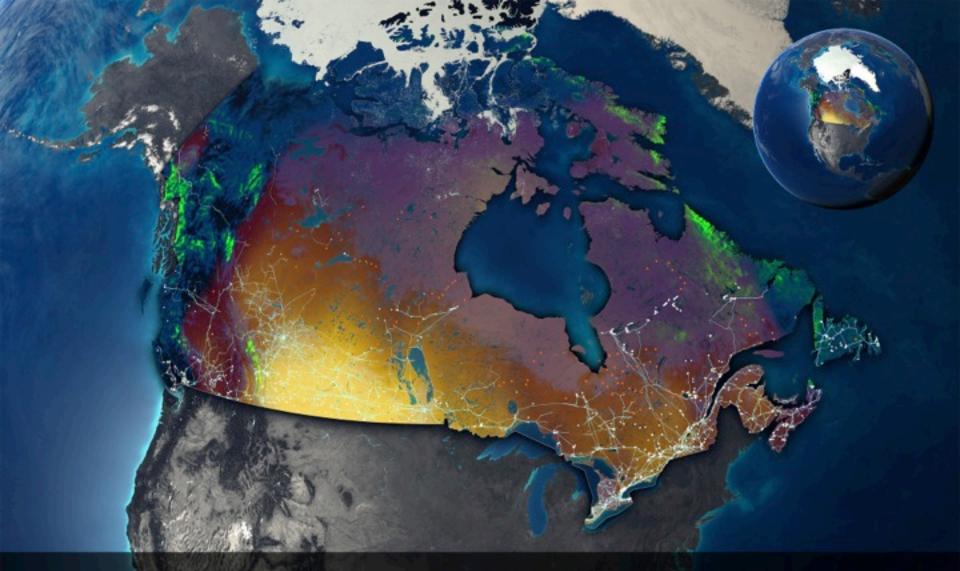


Nations Unies Conférence sur les Changements Climatiques 2015

COP21/CMP11



Arnaud Bo



Canada's vast renewable energy potential



Existing Dams

Potential Dams

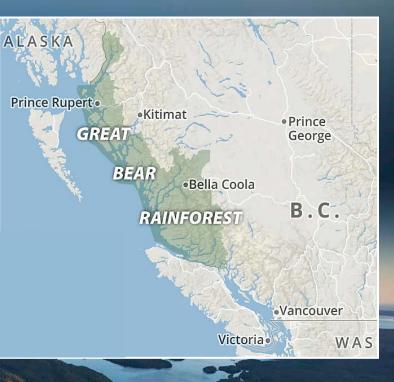


Transmission Lines





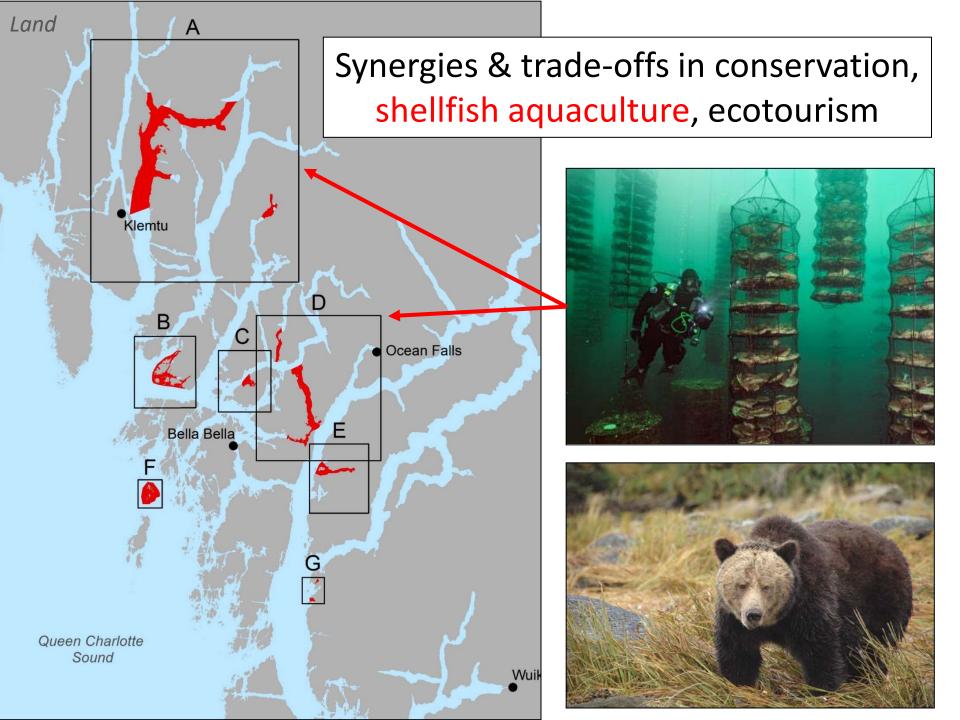
Great Bear Rainforest & Great Bear Sea

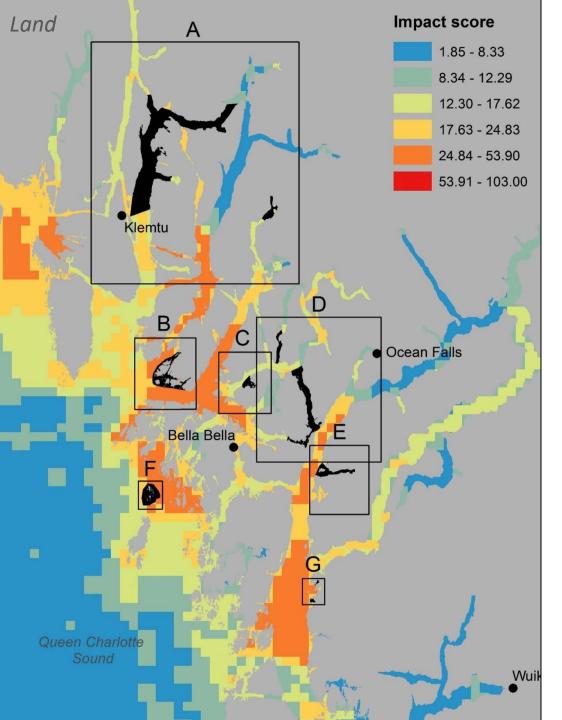


"We're looking at science in a new way. We take traditional ecological knowledge and local knowledge and merge that with the best available western science."

Douglas Neasloss Kitasoo/Xai'Xais Chief Councilor







Synergies & trade-offs in conservation, shellfish aquaculture, ecotourism





My generation grew up in a world with climate change and biodiversity loss.

Our choices affect the world **future generations** will inherit.













