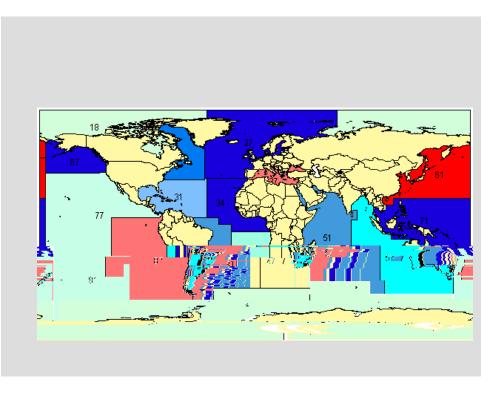
## Why the International Community Needs to Help Create Marine Reserves

by
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Sea Around Us Project
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For each of over 1200 taxa in the FAO database, we created a distribution area (mapped as a GIS object). Combining all this we can...

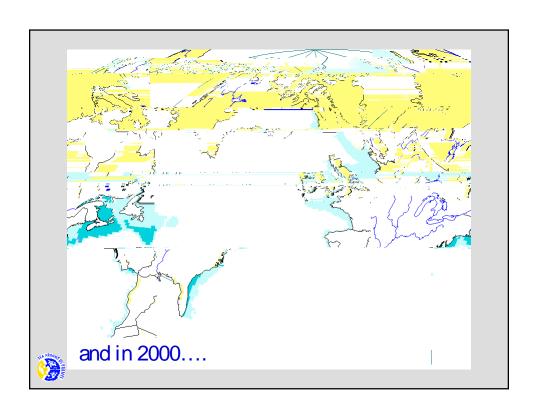
- Assess where the catch of a given taxon can possibly have come from;
- Identify the overlap area between this distribution and the EEZs to which the a given country's fleet have access;
- Assign the catch to the ½
   degree Lat./Long. cells from
   which the catch can have
   originated.

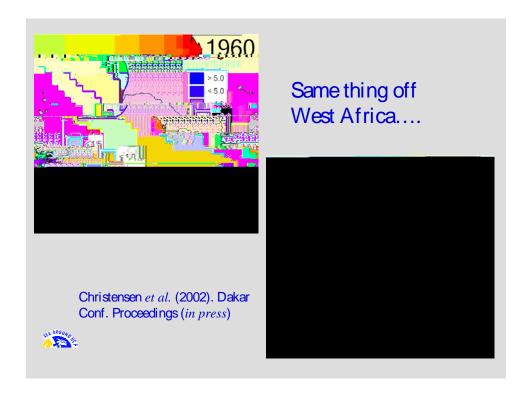
Then, we used a multivariate statistical model to try to reproduce our rule-based catch map, using depth, primary production, etc, to predict catches...

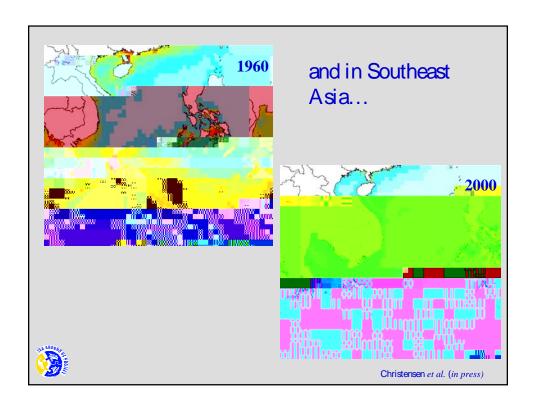
It worked everywhere, except for East Asian waters, where the



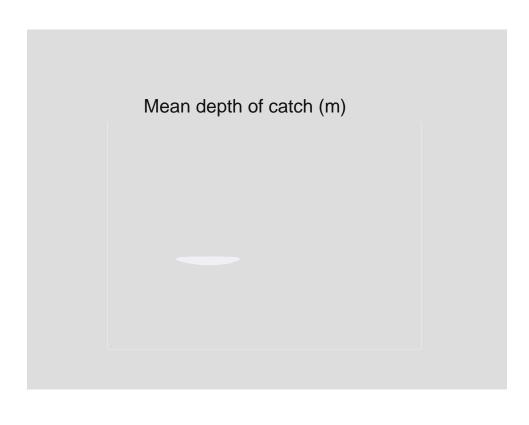
discrepancies were huge....

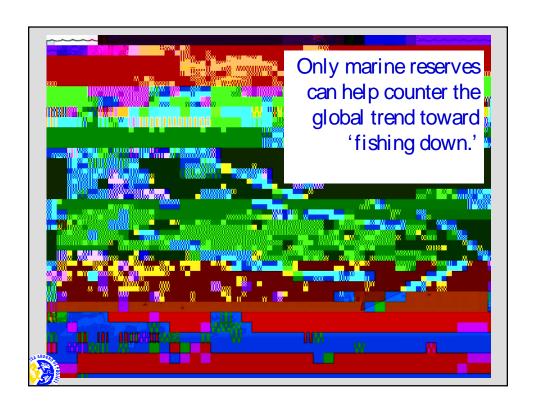










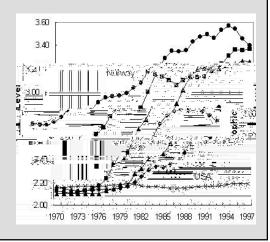




The latter trend, which may be called 'farming up the food web,' is documented here for a selection of major producing countries...

Note absence of an increasing trend for the USA, due to a high production of (low trophic level) catfishes (Pauly et al. 2001.

Conservation Biology in Practice 2(4): 25).





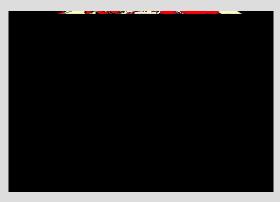
Thus, with business as usual, the global annual supply of seafood per person may well decline as shown here...





There are no techno-fixes to the global fisheries crisis. We must deal with its root cause, illustrated by this map, where areas where no fishing whatsoever is permitted are shown in green ...

..and visit us at www.saup. fisheries.ubc.ca for more information





Thank you.