

TECHNOLOGY TODAY

AN EIN NEWS SERVICE FOR TECHNOLOGY INDUSTRY PROFESSIONALS

[▶ GET A FREE TRIAL](#)

[▶ REGISTER NOW](#)

[MEMBER CENTER](#)

[LOGIN](#)

[Home](#) |
 [News by Topic](#) |
 [News by Country](#) |
 [Editor's Picks](#) |
 |
 [About EIN](#) |
 [Services](#) |
 [Publications](#) |
 [Advertise](#)



Public Interest Services
Delivering the most policy, issue & advocacy news

Tropical Regions to be Hardest Hit by Fisheries Shifts Caused by Climate Change

October 8, 2009

VANCOUVER, British Columbia, Oct. 8 /PRNewswire-USNewswire/ -- Major shifts in fisheries distribution due to climate change will affect food security in tropical regions most adversely, according to a study led by the Sea Around Us Project at The University of British Columbia.

In the first major study to examine the effects of climate change on ocean fisheries, a team of researchers from UBC and Princeton University finds that climate change will produce major shifts in productivity of the world's fisheries, affecting ocean food supply throughout the world. The study is published today in the journal *Global Change Biology*.

"Our projections show that climate change may lead to a 30 to 70 per cent increase in catch potential in high-latitude regions and a drop of up to 40 per cent in the tropics," says lead author William Cheung, a researcher at the University of East Anglia in the UK who conducted the study while at UBC.

"Many tropical island residents rely heavily on the oceans for their daily meals. These new findings suggest there's a good chance this important food source will be greatly diminished due to climate change."

Previous studies have looked at how climate change affects global food supply but were limited to land-based food sources. These studies have also predicted that tropical areas will see a decline in land productivity.

The team, led by UBC Fisheries professor Daniel Pauly, also found that regions with the highest increase in catch potential by 2055 include Norway, Greenland, Alaska and the east coast of Russia. Meanwhile, regions with the biggest loss in catch potential include Indonesia, the United States (excluding Alaska and Hawaii), Chile and China.

While greater catch potential in colder regions might appear beneficial, the authors caution that more research is needed to account for the multitude of dynamic factors that affect every ecosystem.

"We need to keep the big picture in mind when looking at the 'winners' and 'losers' of climate change," says Pauly. "Major shifts in fish populations will create a host of changes in ocean ecosystems likely resulting in species loss and problems for the people who now catch them."

"While warmer waters might attract new species to colder regions, the rise in temperature might make the environment inhospitable to current species in the region that cannot move to even higher latitudes. Often these species are important to the diets and culture of native subsistence fishermen."

The team's projections also show that Canada's overall catch potential will remain approximately the same. The west coast may see a decrease of almost 20 per cent from 2005 to 2055 while the east coast may get a 10 per cent boost.

With the exception of Alaska and Hawaii, the overall maximum catch potential in U.S. waters is projected to decrease by around 10 per cent by 2055.

The study analyzed 1,066 species ranging from krill to sharks that constitute roughly 70 per cent of the world's catch. The authors used models that include a large number of environmental and biological factors that affect fisheries. They ran these models through two climate change scenarios, one more conservative than the other, and measured the impact of the scenarios on fish distribution from the years 2005 to 2055. The authors did not include the highest emission level scenario considered by the Intergovernmental Panel on Climate Change, which would have produced even more dramatic results.

For more information, visit www.seaaroundus.org/about.

This study is a product of the Sea Around Us Project, a scientific collaboration between the Pew Environment Group and The University of British Columbia. The Sea Around Us Project assesses fisheries impacts at ecosystem, ocean basin and the global level and searches for policy solutions to the challenges they pose. The results of this work are accessible on the web, offering ecosystem data, distribution maps and catch data for more than 1,000 species, historical trends and peer-reviewed publications.

The Pew Environment Group is the conservation arm of The Pew Charitable Trusts, a non-governmental organization headquartered in the United States that applies a rigorous, analytical approach to improving public policy, informing the public and stimulating civic life.

Contact:

Brian Lin, University of British Columbia Public Affairs, 604.822.2234, brian.lin@ubc.ca

Jo Knight, Pew Environment Group, 202.552.2070, jknight@pewtrusts.org

SOURCE University of British Columbia

Come And Visit

[EIN NEWS](#)

[Russia News](#) | [New Zealand Earthquake News](#) | [China News](#)

[U.S. Politics News - U.S. POLITICS TODAY](#)

[Senator Harry Reid News](#) | [Congresswoman Nancy Pelosi News](#) | [Senator Olympia Snowe News](#) | [Health Care Bill News](#) | [Public Option News](#) | [Senator John Kerry News](#) | [Barack Obama & Afghanistan News](#) | [Lt. Gen.](#)



Reach over 10,000,000 people with one click

[LEARN MORE ▶](#)

Ads by Google

[Save money, list online.](#)

Put your business on Google Maps for free. It's where locals search! Google.com/LocalBusinessCenter

[Awareness Tech Review](#)

Awareness Tech software tested. Unbiased reviews. Full comparisons. WellResearchedReviews.com/Software

[PCI Managed Hosting](#)

Ensure Compliance with a Tier 1 Certified Hosting Provider Now! Fusepoint.com/PCI

[Technologies for Sale](#)

8,000 Technologies for Sale/License 100 Categories, Direct contact www.ideaconnection.com

Pictures of the Day



slipperybrick.com: [Plastic Logic's Que Capacitive-Touch Ebook Reader](#)

E-book News



timesonline.co.uk: [A Particle God Doesn't Want Us to Discover](#)

Large Hadron Collider News



pcworld.com: [Sony Develops 360-degree 3D Display](#)

3D TV News



themoneytimes.com

EIN PRESSWIRE

UPLOAD PRESS RELEASE

- [Linden Optometry Doctors Attend International Vision Expo](#) [15 Oct 2009]
- [R&M Energy Systems Opens Rod Guide Operation in Australia](#) [15 Oct 2009]
- [Solar powered electric vehicle charging station by SunPods Inc. unveiled with the City of San Jose](#) [13 Oct 2009]
- [Technology Alignment, Inc. releases Protelity hosted PBX services based on VoIPTelCaster](#) [13 Oct 2009]
- [Dallas web site design studio Fires Up Smart Car with Branding - WeDoWebPages.com](#) [13 Oct 2009]

[see all technology press releases »](#)

[see all press releases »](#)

EIN NEWS PUBLICATIONS

GET FREE TRIAL

- [Agriculture Industry Today](#) [Get Free Trial](#) | [Sign Up](#)
 - [Airline Industry Today](#) [Get Free Trial](#) | [Sign Up](#)
 - [Automotive Industry Today](#) [Get Free Trial](#) | [Sign Up](#)
 - [Banking Industry Today](#) [Get Free Trial](#) | [Sign Up](#)
 - [Beverage Industry Today](#) [Get Free Trial](#) | [Sign Up](#)
 - [Biofuel Industry Today](#) [Get Free Trial](#) | [Sign Up](#)
- [see all publications »](#)

EIN News Columnists

FORMATS: RSS

- [In Today's World, Privacy, Confidentiality, and Legal Privilege Ain't What They Used to Be \(Joe Rothstein's Commentary\)](#) [15 Oct 2009 - 02:27]
- [Independent Voters Have Little Voice In Congress; Isn't It Time to Change That? \(Joe Rothstein's Commentary\)](#) [10 Oct 2009 - 20:59]

MORE ARTICLES >>>

Biotechnology

FORMATS: RSS | EMAIL

- [Fla. biotech report urges funding, law changes](#) [19 Oct 2009 - 19:44]
- [MEDIA ADVISORY: NIH Director in Stanford Podcast on Embryonic Stem Cell Grants, Cures for Cancer and Stimulus Funds for Research](#) [19 Oct 2009 - 19:16]
- [MEDIA ADVISORY: NIH Director in Stanford Podcast on Embryonic Stem Cell Grants, Cures for Cancer and Stimulus Funds for](#) [19 Oct 2009 - 19:16]
- [This fall will be crazy for these biotech stocks](#) [19 Oct 2009 - 19:15]

[Healthcare News - HEALTHCARE INDUSTRY TODAY](#)

[Swine Flu Pandemic News](#) [Health Cooperatives News](#) ['Death Panel' Issue News](#) [Sen. Max Baucus & Health Care Insurance News](#) [Pre-Existing Conditions News](#) [Soda Tax News](#)

[Music News - MUSIC INDUSTRY TODAY](#)

[Jay-Z - Blueprint 3 News](#) [Basement Jaxx - Scars News](#) [Madonna - Celebration News](#) [CMX News](#) [Robbie Williams - Reality Killed the Video Star News](#)

[Energy News - ENERGY INDUSTRY TODAY](#)

[Sayano-Shushenskaya Hydroelectric Plant News](#) [Alberta Clipper Pipeline News](#)

[Mining News - MINING INDUSTRY TODAY](#)

[BHP Billiton News](#) [Rio Tinto News](#) [Xstrata News](#)

[Pharmaceutical News - PHARMACEUTICAL INDUSTRY TODAY](#)

[Swine Flu Vaccine News](#) [Prolia News](#) [Homeopathic Treatment News](#) [Darusentan News](#) [Depo Provera News](#) [Peramivir News](#) [Pradaxa News](#)

[Shipping News - SHIPPING AND LOGISTICS TODAY](#)

[Hapag-Lloyd News](#) [Kuehne + Nagel News](#) [Pirate Attacks News](#)

[Mobile Phone News - MOBILE PHONE INDUSTRY TODAY](#)

[Smartphone News](#) [Palm Pre News](#) [BlackBerry Curve News](#)

[Organic Food News - ORGANIC FOOD NEWS TODAY](#)

[Washington Organic Food News](#) [Oregon Organic Food News](#) [Texas Organic Food News](#)

[Fast Food News - FAST FOOD NEWS TODAY](#)

[Burger King News](#) [Tim Hortons News](#) [McDonald's News](#)

[Seafood News - SEAFOOD NEWS TODAY](#)

[Louisiana Seafood News](#) [Alaska Seafood News](#) [Washington Seafood News](#)

[Tobacco News - TOBACCO INDUSTRY TODAY](#)

[Tobacco Industry & Lawsuits News](#) [California Tobacco Industry News](#) [Electronic Cigarette News](#)

[Global Warming News - GLOBAL WARMING NEWS TODAY](#)

[Europe Global Warming News](#) [China Global Warming News](#) [US Global Warming News](#)

[International Development News - INTERNATIONAL DEVELOPMENT NEWS TODAY](#)

[Unemployment & Developing Countries News](#) [World Poverty News](#) [Sustainable Development News](#)

[Starbucks Daily Report - STARBUCKS DAILY REPORT](#)

[Starbucks Music News](#) [SBUX Stock News](#) [Coffee Industry News](#)

[NEWSFEED MAKER](#)

THESE STORIES ARE NOT PUBLISHED BY IPD GROUP, INC. AND THESE LINKS WILL TAKE YOU TO OTHER WEBSITES. SOME OF THESE WEBSITES REQUIRE THEIR OWN REGISTRATION TO READ THEIR STORIES.
 <<< PLEASE READ THE DISCLAIMER FOR MORE DETAILS.>>>

[MORE ARTICLES >>>](#)

Communications Technology

FORMATS: [RSS](#) | [EMAIL](#)

- [Vodafone pushing for mobile number portability](#) [19 Oct 2009 - 19:44]
- [Researchers From IBM, Nokia and VTT Bring Avatars and People Together for Virtual Meetings in Physical Spaces \(PRN\)](#) [19 Oct 2009 - 19:44]
- [Report: Mobile VoIP to impact operator voice revenue](#) [19 Oct 2009 - 19:44]
- [Nokia N97, a Nokia N97 clone](#) [19 Oct 2009 - 19:44]
- [T-Mobile Users Can Now Get Motorola Cliq](#) [19 Oct 2009 - 19:44]

[MORE ARTICLES >>>](#)

Take This Poll

Do you approve of negotiating with the Taliban in the name of peace, or should the movement be crushed by military means? (Oct. 16, 2009)

- I approve of negotiating.
- The movement should be crushed.
- Don't know.

[Vote](#) [Results](#)

Digital Rights Management

FORMATS: [RSS](#) | [EMAIL](#)

- [GNU Must Prioritise Education Sector \[column\]](#) [19 Oct 2009 - 18:45]
- [Tsvangirai seeks Sadc help, Mutambara stays in GNU](#) [19 Oct 2009 - 18:17]
- [Customer Wins Best CRM Practices Award with SugarCRM's Open Source System](#) [19 Oct 2009 - 17:12]
- [Has Open-source hardware reached its tipping point?](#) [19 Oct 2009 - 16:02]
- [JetBrains prepares open-source version of its Java IDE](#) [19 Oct 2009 - 14:15]

[MORE ARTICLES >>>](#)

Information Technology

FORMATS: [RSS](#) | [EMAIL](#)

- [Acxiom Study Reveals Valuable Insights Into Wireless Consumers](#) [19 Oct 2009 - 19:47]
- [Tiny \\$80 travel router does wireless N](#) [19 Oct 2009 - 19:47]
- [Google Gives The Ultimate Holiday Gift: Free WiFi On Virgin America Flights](#) [19 Oct 2009 - 19:47]
- [Alexander, Corker Announce Funding for East Tennessee Energy and Security Facilities](#) [19 Oct 2009 - 19:46]
- [WatchGuard Debuts New High-Performance Security Appliance at GITEX Dubai 2009](#) [19 Oct 2009 - 19:46]

[MORE ARTICLES >>>](#)

Nanotechnology

FORMATS: [RSS](#) | [EMAIL](#)

- [Nanotechnology propulsion system could have dramatic impact on speed of spacecraft](#) [19 Oct 2009 - 16:42]
- [Applied Nanotech and UniJet Announce Strategic Agreement for Printed Electronics](#) [19 Oct 2009 - 14:14]
- [Applied Nanotech and UniJet Announce Strategic Agreement for Printed Electronics \(MRW\)](#) [19 Oct 2009 - 14:12]
- [Yissum Introduces Novel Nanotechnology for Revolutionizing Imaging Using T-rays](#) [19 Oct 2009 - 12:56]
- [Nanotechnology drives innovation](#) [19 Oct 2009 - 12:17]

[MORE ARTICLES >>>](#)

Technology Today

[Technology News Sections](#)

[Technology News by Region](#)

[Technology News by Country](#)

[Technology News by U.S. State](#)

