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### Biodiversity

#### Plan: The United States federal government should provide technical assistance to the government of Mexico for implementation of commercial domestic intellectual property protections.

#### The US uses Mexico as its backyard factory—the plan makes available the tools Mexico needs to push itself past a simple manufacturing base

Surpin et al 2k7

(Beni Surpin, Bram Hanono and Joseph Panetta, CEO, Biocom, Master of Public Health from the University of Pittsburgh a bachelor of science degree in biology from LeMoyne College Panetta has been actively involved in biotechnology product development and commercialization for more than 20 years, joined Mycogen Corporation, a pioneering San Diego based biotechnology firm where he played a principal role in commercialization of the first recombinant DNA microbes and crops, “Moving Technology Across the Border: The Future of Biotech for the U.S. and Mexico,” pg online @ http://www.latinolawblog.com/2007/10/articles/crossborder-insolvency/moving-technology-across-the-border-the-future-of-biotech-for-the-us-and-mexico/ //ghs-ef)

With so many research …as a whole.

#### The plan breaks the IP barrier between the US and Mexico --that enables research partnership

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Historically, the collaborative ….to new levels.

#### And, US-Mexico cooperation over marine biosynthesis is critical to maintain ocean ecology—but, lack of patent rights and a model to incentivize development hinders breakthroughs

NRC 99

(AMC-NRC Joint Working Group on Ocean Sciences; Ocean Studies Board (OSB); Commission on Geosciences, Environment and Resources (CGER); Division on Earth and Life Studies (DELS); Academia Mexicana de Ciencias; National Research Council. “Building Ocean Science Partnerships: The United States and Mexico Working Together.” Pg online at http://www.nap.edu/catalog.php?record\_id=5874//sd)

A good basis exists for …. distribution of royalties.

#### And, Joint research solves marine ecosystems—Mexico has the critical sites for investigation

Ayala-Casta Flares and Knox 2k

(Agustin Ayala-CastaFlares Universidad Naeional Aut6noma de Mexico Mexico City Mexico Robert A. Knox Scripps Institution qfi Oceanography University of Cal!fornia San Diego USA. “Opportunities and challenges for Mexico-U.S. cooperation in ocean sciences” pg online at http://www.tos.org/oceanography/archive/13-3\_castanares.pdf//sd)

Much of the Report is …marine natural products.

#### And, Loss of marine biodiversity collapses the overall biodiversity—only our studies control oceanic variables

Science Daily 2

(“Marine Biodiversity Essential To Preserving Species” pg online at http://www.sciencedaily.com/releases/2002/08/020822065304.htm//sd)

A new study of … and other groundfish.

#### And, this scientific analysis has produced a falsifiable method to make predictions based on observations

Jean **Bricmont 1**, professor of theoretical physics at the University of Louvain, “Defense of a Modest Scientific Realism”, September 23, <http://www.physics.nyu.edu/faculty/sokal/bielefeld_final.pdf>

So, how does one … as different theories.

#### And, Biodiversity loss burns the library of life—there is an invisible threshold and status quo management is ineffective

Howard 11

(Patricia, University of Kent (UK) and Wageningen University (NL), Royal Society, “Tipping Points and Biodiversity Change:Consequences for Human Wellbeing andChallenges for Science and Policy” pg online at http://www.academia.edu/537857/Tipping\_Points\_and\_Biodiversity\_Change\_Consequences\_for\_Human\_Wellbeing\_and\_Challenges\_for\_Science\_and\_Policy//sd)

Biodiversity, in its broadest sense, is …. even global catastrophe.

#### Specifically, this library metaphor rests on objective facts and promotes political action to curb biodiversity loss

Hellsten 2

(VÄLIVERRONEN University of Helsinki, communications professor. His field of research is a media and journalism , science communication , and environmental issues in the media. IINA HELLSTEN University of Amsterdam, Associate Professor, specialized in Communication networks and Hypes. “From “Burning Library” to “Green Medicine” The Role of Metaphors in Communicating Biodiversity ESA” pg online at https://www.academia.edu/4084007/From\_Burning\_Library\_to\_Green\_Medicine\_.\_The\_role\_of\_metaphors\_in\_communicating\_biodiversity//sd)

The metaphor of a …the mass media.

#### And, even if it can be rhetorically flawed, our apocalyptic representation combined with our scientific analytical description of the oceans specifically motivates preventative action and works to inform an ignorant public

Dr. Cook 11

(Sandra, Lecturing Fellow Thompson Writing Program; Postdoctoral Research Associate Biology Department Duke University; graduate student of Dr. Cooke on Ocean Acidification. “The Use of Rhetorical Techniques in Film” pg online http://sites.duke.edu/writing20\_12\_f2011/2011/09/11/the-use-of-rhetorical-techniques-in-film///sd)

Barbara Ettinger’s film, “…. it is too late.

#### Our environmental rhetoric breaks hegemonic institutions—inaction is just as bio-political as action because it allows status quo authoritarians to dictate their story uncontested.

Schatz 12

(JL Schatz, Director of Debate and Professor of Feminist Evolutionary Philosophy at Binghamton University, doctoral work was in transhumanist studies and … it be radical or reformist.

#### Using rhetorical tools towards environmental change deconstructs the master’s bio-political house and creates an ethic of interconnectedness to stop environmental collapse

Schatz 12

(JL Schatz, Director of Debate and Professor of Feminist Evolutionary Philosophy at Binghamton University. “The Importance of Apocalypse: The Value of End-of-the-World Politics While Advancing Ecocriticism” http://ojs.unbc.ca/index.php/joe/article/view/394/ghs-sd)

Michael Hardt and Antonio … fate of the planet.

### Solvency

#### Environmental responsibility rests with the collective more than the individual—BOTH are accountable, but the government facilitates or regulates the individual’s consumptive practices

Okansen 7

(Markku Oksanen University of Turku, Department of Behavioural Sciences and Philosophy, Post-Doc. “Species Extinction and Collective Responsibility” The Proceedings of the Twenty-First World Congress of Philosophy. Vol. 3. Human Rights. Zeynep Davran & Stephen Voss (Eds.). Ankara: Philosophical Society of Turkey, 2007, 179-83 https://www.academia.edu/847436/Species\_Extinction\_and\_Collective\_Responsibility//ghs-sd)

In our understanding of nature, … of a collective.

#### Specifically—in the context of oceans biodiversity loss is not always rooted in individual action, but instigated by external sources like plate tectonics that only cooperative research can solve

DeConto 8

(Rob, Ph.D., University of Colorado/National Center for Atmospheric Research, “PLATE TECTONICS AND CLIMATE CHANGE” pg online at https://www.geo.umass.edu/climate/papers2/deconto\_tectonics&climate.pdf//sd)

The prolonged, effusive … of the two.

#### And, only this collective action relies on technological solutions that reverse inevitable collapse and prior human damages on the environment

Bostrom 3 PhD from the London School of Economics (Nick, 2003, “Transhumanism FAQ”, http://www.paulbroman.com/myspace/Transhumanism\_FAQ.txt) \

Population increase is …scarcely dream of.

#### Lastly, Sohum and I take individual responsibility for biodiversity loss and use this forum to inform others, but here are other ways we as individuals can cut our consumptive habits

PRI 7

(Paleontological Research Institution, “What can be done?” pg online at http://www.priweb.org/globalchange/bioloss/bl\_06.html//sd)

There are several … of forest or field.