#### Plan: The United States federal government should offer to sign a science and technology agreement with Cuba.

#### It’s topical and solves – science and technology agreements create a bilateral framework for economic engagement

State Department (“Science and Technology Cooperation”, http://www.state.gov/e/oes/stc/)

#### The Plan is key to effective US-Cuba engagement – Cuba would say yes and science cooperation solves a laundry list of impacts

Lempinen 12 – AAAS reporter, AAAS is The AAAS Center for Science Diplomacy is guided by the over-arching goal of using science to build bridges between countries and to promote scientific cooperation as an essential element of foreign policy. Since its establishment in 2008, the Center has been particularly interested in identifying opportunities for science diplomacy to serve as a catalyst between societies where official relationships might be limited and to strengthen civil society interactions through partnerships in science and technology. In 2012, the Center launched a new open-access, quarterly publication, Science & Diplomacy, as a forum for policy discourse at the nexus of scientific cooperation and foreign policy. (Edward, “Oceans, Weather, Health—U.S. Researchers Explore Potential Collaboration with Cuban Colleagues”, May 1, 2012, <http://www.aaas.org/news/releases/2012/0501cuba.shtml> HW)

#### US – Cuba cooperation is key to environmental policy spillover and regional perceptions of the US; easing travel restrictions is symbolic, but doesn’t do enough

Conell 9 – Research associate for the Council on Hemispheric Affairs. (Christina, 6/16/2009, “The U.S. and Cuba: an Environmental Duo?” http://www.scoop.co.nz/stories/WO0906/S00198.htm, HW)

#### Science cooperation solves Latin American relations, disaster preparedness, disease, biotechnology and biodiversity

Pastrana & Clegg, 08. Foreign Secretary of the Academia de Ciencias de Cuba, Foreign Secretary of the U.S. National Academy of Sciences and Donald Bren Professor of Biological Sciences, Ecology and Evolutionary Biology at the School of Biological Sciences, University of California (Sergio, Michael, “U.S.-Cuban Scientific Relations”. 7/3/13. <http://www.sciencemag.org/content/322/5900/345.full?ijkey=3aK7XuLHCJLJ.&keytype=ref&siteid=sci>. KJ)

#### Globalization has made war obsolete – great powers and rising states need international institutions to survive

Ikenberry, Professor of Politics and International Affairs at Princeton University, and Deudney, professor of political science at Johns Hopkins University, 2009

(Daniel and G. John, Jan/Feb, “The Myth of the Autocratic Revival,” Foreign Affairs, Vol. 88, Issue 1, p. 8, EB)

#### Nuclear weapons deter all war – empirics prove

Tepperman, LL.M. in International Law from NYU, former Managing Editor of Foreign Affairs, 2009

(Jonathan, 8-28-9, The Daily Beast, “Why Obama Should Learn to Love the Bomb,” <http://www.thedailybeast.com/newsweek/2009/08/28/why-obama-should-learn-to-love-the-bomb.html>, accessed 7-14-13, EB)

#### Peacekeeping contains rogue states and rising powers

Goldstein, professor emeritus of international relations at American University, 2011

(Joshua S., Sept/Oct, Foreign Policy, “Think Again: War,” <http://www.foreignpolicy.com/articles/2011/08/15/think_again_war?page=0,0&wp_login_redirect=0>, accessed 7-15-13, EB)

#### Scenarios for nuclear extinction are exaggerated – environment impacts are the most likely to cause extinction

Martin, research associate in the Dept. of Mathematics at Australian National University, 1984

(Brian, May 1984, Scientists Against Nuclear Arms Newsletter, “Extinction politics,” number 16, p. 5-6, EB)

#### A small chance of solving existential risk outweighs every other impact

Bostrom, Faculty of Philosophy at Oxford University, 2012

(Nick, Global Policy, “Existential Risk Prevention as Global Priority,” Volume 4, Issue 1, p. 15-31, EB)

**Plan is a change in US relations toward Cuba, shifts in perceptions are key**

**Goodman, reporter for Bloomberg News, 09**

#### Science solves for relations – bilateral ties between governments

Dehgan and Colglazier 12 - the science and technology adviser to the administrator of the U.S. Agency for International Development; the science and technology adviser to the U.S. secretary of state (Alex and E. William, “Development Science and Science Diplomacy”, 12/7/2012, http://www.sciencediplomacy.org/perspective/2012/development-science-and-science-diplomacy)

**Latin American relations solve warming**

**Lowenthal 9** - professor of international relations at the University of Southern California

Abraham F. Lowenthal, a nonresident senior fellow of the Brookings Institution, president emeritus of the Pacific Council on International Policy, and the founding director of the Inter-American Dialogue. “The Obama Administration and Latin America: Will the Promising Start Be Sustained?”. NUEVA SOCIEDAD NRO. 222. July-August 2009. http://www.nuso.org/upload/articulos/3617\_2.pdf

#### Warming is real and human-caused

Plait 5/17 Philip Cary Plait, Ph.D (a.k.a. The Bad Astronomer) is an American astronomer, skeptic, writer and popular science blogger. He was president of the James Randi Educational foundation for 2 years. He graduated from the University of Virginia and worked on the Hubble Telescope for 10 years. (“New Study: Climate Scientists Overwhelmingly Agree Global Warming Is Real and Our Fault”—5-17-2013 http://www.slate.com/blogs/bad\_astronomy/2013/05/17/global\_warming\_climate\_scientists\_overwhelmingly\_agree\_it\_s\_real\_and\_is.html)

#### Adaptation isn’t sufficient – reducing emissions key

Center for Climate and Energy Solutions, recently named the world’s top environmental think tank, 2011

(June 2011, Center for Climate and Energy Solutions, “Science FAQs,” http://www.c2es.org/global-warming-basics/faq\_s/glance\_faq\_science.cfm, accessed 7/12/13, CBC)

#### Warming causes extinction - a preponderance of evidence proves it's real, anthropogenic, and outweighs other threats

Deibel 7 (Terry, "Foreign Affairs Strategy: Logic of American Statecraft," Conclusion: American Foreign Affairs Strategy Today)

#### Warming is an existential threat

Mazo 10 – PhD in Paleoclimatology from UCLA

Jeffrey Mazo, Managing Editor, Survival and Research Fellow for Environmental Security and Science Policy at the International Institute for Strategic Studies in London, 3-2010, “Climate Conflict: How global warming threatens security and what to do about it,” pg. 122

#### Cuban biotech solves cancer, AIDS, and tropical disease but US action is key – marketing and patents

Starr 2004

[Douglas Starr. Codirector of the Center for Science and Medical Journalism at Boston University. “The Cuban Biotech Revolution.” December 2004. <http://www.wired.com/wired/archive/12.12/cuba.html>] WD

#### Pandemics outweigh – probability and loss of life.

Zakaria 5 [Fareed, Editor of Newsweek International whose column appears in Newsweek, Newsweek International and The Washington Post, “A Threat Worse than Terror,” 10-31, Newsweek, http://www.fareedzakaria.com/ARTICLES/newsweek/103105.html]

**Cuban agricultural biotech is uniquely good – best technology and state supervision**

**Global Research News 12** – center for research on globalization. (GRN, “The Achievements of Cuba’s “Ecological Agriculture””, 12/26/2012, http://www.globalresearch.ca/the-achievements-of-cubas-ecological-agriculture/5316868, HW)

**Biotechnology advances are key to solve food shortages that cause mass starvation**

**Leader-Post** **8** – Top selling and award winning Canadian newspaper. (LP, “Biotechnology needed to solve food shortage, says CEO”, 9/25/2008, http://www.canada.com/reginaleaderpost/news/story.html?id=5b5c45c8-6ae5-4ac1-8992-270658d71ac8, HW)

**Famine causes extinction**

George **Plumb**, Environmental Activist, “Was Malthus just off a few decades?” 5/18/**2008**, http://www.timesargus.com/apps/pbcs.dll/article?AI D=/20080518/FEATURES05/805180310/1014/FEATURES05

#### The U.S. and Cuba share biodiversity and must work together to save species close to extinction

Boom 08.14.2012 (Brian is the director of the Caribbean Biodiversity Program, “Biodiversity without Borders” <http://www.sciencediplomacy.org/article/2012/biodiversity-without-borders>)KG

#### Caribbean bioD a key hotspot – plan is k2 solve

CEPF 11 – Critical environment protection fund. (CEPF, 6/16/2009, “Caribbean Islands Biodiversity Hotspot Ecosystem Profile Summary” http://www.cepf.net/SiteCollectionDocuments/caribbean/Caribbean\_EP\_Summary.pdf, HW)

#### Addressing hotspots is key to global bioD and humanity

Mittermeier et al 11 – Russell Alan Mittermeier is a primatologist, herpetologist and biological anthropologist. He has written several books for both popular and scientist audiences, and has authored some 300 scientific papers. (Russel, 2011, “Global Biodiversity Conservation: The Critical Role of Hotspots” http://www.cepf.net/SiteCollectionDocuments/caribbean/Caribbean\_EP\_Summary.pdf, HW)

#### Biodiversity loss risks extinction; the brink is now

Walsh 10 [Bryan, covers environment, energy and — when the need arises — particularly alarming diseases for TIME magazine, Wildlife: A Global Convention on Biodiversity Opens in Japan, But Can It Make a Difference? October 18, 2010 http://ecocentric.blogs.time.com/2010/10/18/wildlife-a-global-convention-on-biodiversity-opens-in-japan-but-can-it-make-a-difference/#ixzz131wU6CSp]

#### US - Cuba cooperation would help solve for growing threats to ocean biodiversity

Luxner 09-- Larry Luxner is news editor of The Washington Diplomat and editor of CubaNews. His specialty is Latin America and the Middle East, and he's written more than 2,000 articles for publications ranging from National Journal to Saudi Aramco World. (“Experts urge joint US-Cuba marine conservation effort”—5/2009 http://www.luxner.com/cgi-bin/view\_article.cgi?articleID=1751)

#### Ocean biodiversity loss causes extinction

Craig 03

[Robin Kundis, Attorneys’ Title Insurance Fund Professor at Florida State University College of Law and leading environmental law scholar, Winter 2003, “Taking Steps Toward Marine Wilderness Protection? Fishing and Coral Reef Marine Reserves in Florida and Hawaii,” Lexis] WD