# \*\*\*\*1AC\*\*\*\*

## Plan text: The United States federal government should substantially increase loan guarantees for small modular thermal reactors in the United States.

# Contention One is Proliferation

## Nuclear power is increasing globally – demand ensures it’ll be large reactors

**Banks et al, Foreign Policy Energy Security Initiative nonresident fellow, 12-16**

(John P. “Nuclear Power in Developing Countries? Let's Talk about It.” 12-16. <http://www.brookings.edu/research/opinions/2012/12/16-nuclear-energy-banks-massy>. Accessed: 1/1/2013. ADC)

While the developed world gets cold feet on … considering nuclear power, but commitments are pending.

## This will result in breakout proliferation-asymmetries undermine deterrence and ensure nuclear war-safeguards are key

**Sokolski, Nonproliferation Policy Education Center Executive Director, 09**

(Henry, June 1, 2009, “Avoiding a Nuclear Crowd”, http://www.hoover.org/publications/policy-review/article/5534, 10/3/12, atl)

Finally, several new nuclear weapons …want. None of this, however, is inevitable.

## US construction is key to solve-SMR’s would out compete other models and a strong domestic industry ensures maintenance of the global gold standard.

**Miller, Bipartisan Policy Co-Chair for the Nuclear Initiative, 12**

(Dr. Warren F. “Pete” e-, Former DOE Assistant Secretary for Nuclear Energy, Senator Pete Domenici, July 2012, “Challenges and Opportunities Facing Nuclear Energy in the United States”, http://bipartisanpolicy.org/sites/default/files/Leadership%20in%20Nuclear%20Energy%20Markets.pdf, 8/14/12, atl)

Several other countries, by contrast, … development, and deployment (RD&D) programs.

## The plan causes other suppliers to model US practices-ensures no proliferation.

**Sokolski, Nonproliferation Policy Education Center Executive Director, 11**

(Henry, “The Post-Fukushima Arms Race?”, Foreign Policy, July, 29, 2011,http://www.foreignpolicy.com/articles/2011/07/29/the\_post\_fukushima\_arms\_race?print=yesandhidecomments=yesandpage=full, 10/9/12, atl)

A Japanese decision to resist temptation and adopt … in time, as it has reluctantly in the past.

## Other countries follow the US lead-ensures they’ll pick SMR’s and implement safety measures

**Lieberman, American Physical Society senior government relations specialist, 11**

(Jodi, November 15, 2011 “Nonproliferation, Congress, and Nuclear Trade: Plus ça change, plus c’est la même chose” http://csis.org/files/publication/111116\_nonproliferation\_congress\_and\_nucleartrade.pdf)

U.S. Nonproliferation Influence While 123 agreements … summit will be held in South Korea in 2012.

## High risk of Asian prolif- US industry key to solve

**Ferguson, Federation of American Scientists President, 10**

(Charles, May 4, 2010, “Controlling Asia's Nuclear Power Tigers”, http://www.forbes.com/2010/05/04/asia-nuclear-power-markets-economy-national-security\_2.html, 9/3/12, atl)

Asia's nuclear power tigers are becoming more … proliferation-prone methods are not permitted.

## Proliferation causes nuclear war-crisis escalation, aggression, saving face, delegation and launch on warning guarantee it.

Kroenig, Georgetown University Government assistant professor, 12

(Matthew, Assistant Professor of Government at Georgetown University and Stanton Nuclear Security Fellow at Council on Foreign Relations, “The History of Proliferation Optimism: Does It Have A Future?,” 5-26-12, http://www.npolicy.org/article.php?aid=1182andrtid=2, accessed 10-2-12, mtf)

The proliferation optimist position, while … less-resolved opponents to back down.

## Status quo nuclear power will be based off Chinese designs-guarantees accidents and meltdowns

**Tu, Carnegie Energy and Climate Program senior associate, 12**

(Kevin Jianjun. “China’s Nuclear Crossroads.” 3-11. <http://carnegieendowment.org/2012/03/11/china-s-nuclear-crossroads>. Accessed: 9/30/2012. ADC)

It’s first important to acknowledge that the safety …that energy-thirsty China can’t afford to make.

## Nuclear accidents wreck biodiversity

Mousseau, USC biology professor, 2011

(TA, “Conservation consequences of Chernobyl and other nuclear accidents”, Biological Conservation Volume 144, Issue 12, December 2011, Pages 2787–2798, Science Direct, ldg)

The explosion at the Chernobyl nuclear power … in species when they are rare.

**Extinction**

**Daily et al, Professor, Department of Biological Sciences Stanford, 7**

(11-19, Gretchen, Senior Fellow, Woods Institute for the Environment Director, Center for Conservation Biology Director, Interdisciplinary Program in Environment and Resources Chair, The Natural Capital Project, “ECOSYSTEM SERVICES: Benefits Supplied to Human Societies by Natural Ecosystems,” <http://www.sierraforestlegacy.org/Resources/Conservation/FireForestEcology/ForestEconomics/Economics-Daily97.pdf>) atw

In addition to the production of goods, **…**, human beings trying to colonize the moon.

# Contention Two is Warming

**Newest and most rigorous studies conclude warming is anthropogenic – no alt causes**

**Muller, University of California-Berkeley physics professor, 12**

(Richard A., former MacArthur Foundation fellow, "The Conversion of a Climate-Change Skeptic," 7-28-12, http://www.nytimes.com/2012/07/30/opinion/the-conversion-of-a-climate-change-skeptic.html?pagewanted=all, accessed 8-10-12, mtf)

Call me a converted skeptic. Three … about what can and should be done.

**Failure to solve warming causes extinction – geological history proves**

**Bushnell, NASA Langley Research Center chief scientist, 10**

(Dennis M. has a MS in mechanical engineering, won the Lawrence A. Sperry Award, AIAA Fluid and Plasma Dynamics Award, the AIAA Dryden Lectureship, and is the recipient of many NASA Medals for outstanding Scientific Achievement and Leadership, "Conquering Climate Change," The Futurist 44. 3, May/Jun 2010, ProQuest, accessed 10-3-12, mtf)

Unless we act, the next century could … forecasts sound, they're actually conservative.

**Ocean acidification destroys marine biodiversity and leads to extinction**

**Romm, MIT Physics PhD, 10**

(Joe, Climate Progress editor, Senior Fellow at the American Progress, Acting Assistant Secretary of Energy for Energy Efficiency and Renewable Energy during the Clinton Administration, PhD in Physics from the Massachusetts Institute of Technology, "Nature Geoscience study: Oceans are acidifying 10 times faster today than 55 million years ago when a mass extinction of marine species occurred," 2-18-10, http://thinkprogress.org/climate/2010/02/18/205525/ocean-acidification-study-mass-extinction-of-marine-life-nature-geoscience/?mobile=nc#more-19529, accessed 10-3-12, mtf)

Marine life face some of the worst impacts. We now …**slashing carbon dioxide emissions is now**.

**Sea level rise causes extinction – even small rises matter**

**Sato, Daily Galaxy contributing editor, 8**

Rebecca, Contributing Editor at DailyGalaxy.com, former Head Writer at Freedom FastTrack “Can Changes in Sea Level Cause Periods of Mass Extinction?—A Galaxy Exclusive,” 6-19-08, http://www.dailygalaxy.com/my\_weblog/2008/06/changes-in-sea.html, accessed 10-3-12, mtf)

For years scientists have been trying to find … of sea level rise that we are likely to induce. We, as a society, are not.”

**Other nations will model US investment – it’s a bellwether of nuclear tech**

**Adamantiades et al., ICG Aeolian Energy, 9**

(A. Adamantiades, ICG Properties is a real estate development firm; and I. Kessides, The World Bank, "Nuclear power for sustainable development: Current status and future prospects," Energy Policy Volume 37, Issue 12, December 2009, Science Direct, accessed 8-5-12, mtf)

This paper describes the current status and future … **other parts of the world**.

**Large-scale nuclear power transition solves warming – assumes resource and time restraints**

**Knapp et al., University of Zagreb professor, 10**

(Vladimir Knapp, Dubravko Pevec, and Mario Matijević, Faculty of Electrical Engineering and Computing, Department of Applied Physics, University of Zagreb in Croatia, "The potential of fission nuclear power in resolving global climate change under the constraints of nuclear fuel resources and once-through fuel cycles," Energy Policy Volume 38, Issue 11, November 2010, Science Direct, accessed 8-22-12, mtf)

In this study, we have investigated the potential …strategies and for public acceptance of nuclear energy.

**Global commercialization key to check developing countries’ emissions**

**Kessides and Kuznetsov, World Bank chief economist, 12**

(Ioannis N., Development Research Group and The World Bank; and Vladimir, Consultant at The World Bank, "Small Modular Reactors for Enhancing Energy Security in Developing Countries," Sustainability 2012, 4.8, http://www.mdpi.com/2071-1050/4/8/1806/htm, accessed 9-29-12, mtf)

Increasing concerns related to energy supply s… proliferation resistance, and reduced financial risk.

**Only the aff solves – alternative sources are of insufficient scope**

**Loudermilk, Institute for National Strategic Studies research associate, 11**

(Micah J., Research Associate for the Energy & Environmental Security Policy program with the Institute for National Strategic Studies at National Defense University, contracted through ASE Inc., "Small Nuclear Reactors and US Energy Security: Concepts, Capabilities, and Costs," IAGS Journal of Energy Security, May 2011 Issue, 5-31-11, http://www.ensec.org/index.php?option=com\_content&view=article&id=314:small-nuclear-reactors-and-us-energy-security-concepts-capabilities-and-costs&catid=116:content0411&Itemid=375, accessed 9-29-12, mtf)

Nuclear vs. Alternatives: a realistic picture When … and expansion of the nation’s nuclear energy portfolio.

**No risk of link turns – complete nuclear power chain significantly reduces CO2 emissions**

**Adamantiades et al., ICG Aeolian Energy, 9**

(A. Adamantiades, ICG Properties is a real estate development firm; and I. Kessides, The World Bank, "Nuclear power for sustainable development: Current status and future prospects," Energy Policy Volume 37, Issue 12, December 2009, Science Direct, accessed 8-5-12, mtf)

2.3. Global climate change In 1990 a major … environmental effects of fossil fuel pollutants.

# Contention Three is Solvency

## Capitalization is key to nuclear commercialization-only the federal government can leverage the funds necessary

Bennett, Vice President for Public Affairs, Third Way, 10

(Matt, Josh Freed is Director of the Third Way Clean Energy initiative, Jeremy Ershow is a Policy Advisor at Third Way, “Breaking the Nuclear Financing Barrier,” February 10, http://content.thirdway.org/publications/265/Third\_Way\_Idea\_Brief\_-\_Breaking\_the\_Nuclear\_Financing\_Barrier.pdf, accessed 9-30-12, ara)

High financing costs stand in the … request to triple the loan volume.

## SMR’s can be commercialized quickly and are safe-studies prove they have multiple advantages

Kessides and Kuznetsov, World Bank chief economist, 12

(Ioannis N., Development Research Group and The World Bank; and Vladimir, Consultant at The World Bank, "Small Modular Reactors for Enhancing Energy Security in Developing Countries," Sustainability 2012, 4.8, http://www.mdpi.com/2071-1050/4/8/1806/htm, accessed 9-29-12, mtf)

SMRs offer a number of advantages that … characterized by significant economies of scale [19].

## NRC will streamline SMR’s

Sullivan, et al., partner, Hogan Lovells’ LLP, 10

(Mary Anne, partner in Hogan Lovells' energy practice in Washington, D.C., Daniel F. Stenger is a partner in Hogan Lovells' energy practice, Amy C. Roma is a senior associate in Hogan Lovells' energy practice, “Are Small Reactors the Next Big Thing in Nuclear?” 12-21-10, <http://www.elp.com/index/display/article-display/3288852302/articles/electric-light-power/volume-88/issue-6/sections/are-small-reactors-the-next-big-thing-in-nuclear.html>, accessed 9-20-12, ara)

The biggest challenge to getting…initiative through industry working groups.

## SMR’s compete with gas-better risk premium and no volatility

**Rosner, Distinguished Service Professor, Departments of Astronomy and Astrophysics, and Physics – Chicago University, 11**

(Robert e-, Senior Fellow, Computation Institute; Director, Energy Policy Institute; Enrico Fermi Institute; Harris School of Public Policy, Stephen Goldberg, Special Assistant to the Director Argonne National Laboratory, “Small Modular Reactors – Key To Future Nuclear Power Generation In The U.S.”, Energy Policy Institute at Chicago The Harris School of Public Policy Studies, 6/2/12, atl)

In both the 2004 Chicago Study and the current … quality for nuclear power plants.

## We have the workforce and infrastructure

**Spencer et al, Thomas A. Roe Institute for Economic Policy Studies research fellow, 11**

(Jack. “A Big Future for Small Nuclear Reactors?” Heritage Foundation. 2-02. <http://www.heritage.org/research/reports/2011/02/a-big-future-for-small-nuclear-reactors>. Accessed: 9/7/2012. ADC)

Domestic Production. Although the … capabilities—all in the United States.

# \*\*\*\*2AC\*\*\*\*

# T Subatantial

## We meet –- Bennet ev says 18.5 billion in loans now, plan would at least double this, means meets their interp- cap costs are 25% percent we provide that per reactor

## CI: Substantially

**Random House**, 200**9**

[Dictionary.com Unabridged Based on the Random House Dictionary, "Substantially," http://dictionary.reference.com/browse/substantially, mss]

sub⋅stan⋅tial [suhb-stan-shuhl]

–adjective

1. of ample or considerable amount, quantity, size, etc.: a substantial sum of money.

2. of a corporeal or material nature; tangible; real.

3. of solid character or quality; firm, stout, or strong: a substantial physique.

4. basic or essential; fundamental: two stories in substantial agreement.

5. wealthy or influential: one of the substantial men of the town.

6. of real worth, value, or effect: substantial reasons.

7. pertaining to the substance, matter, or material of a thing.

8. of or pertaining to the essence of a thing; essential, material, or important.

9. being a substance; having independent existence.

10. Philosophy. pertaining to or of the nature of substance rather than an accident or attribute.

–noun

11. something substantial.

## Substantially has many meanings- defer to context

**Gettleman**, US District Judge, 7-30-200**7**

[Robert W., UNITED STATES DISTRICT COURT FOR THE NORTHERN DISTRICT OF ILLINOIS, EASTERN DIVISION, 504 F. Supp. 2d 360; 2007 U.S. Dist. LEXIS 56606, l/n, accessed 8-1-10, mss]

Expressions such as "substantially" are used in … which interpretation should be adopted.

## WM CI – we give ample amount, we defend for solvency of plan - will provide whatever necessary for solvency Knapp says large scale

## A. No ground loss – loan guarantees spend money and link to spending, neg gets all nuclear specific answers and advantage answers and DAs, and mech answers to LGs

## B. Aff flex – neg gets block, conditionality, and policy and critical advocacies – aff flexibility for mechanism key to check neg advantages

## No abuse- potential not a voter

# Warming

## Our framing overcomes disbelief and mobilizes public responses

**Romm, Fellow at American Progress, 12**

(Joe Ph.D. in physics from MIT., 2/26/2012, “Apocalypse Not: The Oscars, The Media And The Myth of ‘Constant Repetition of Doomsday Messages’ on Climate”, http://thinkprogress.org/romm/2012/02/26/432546/apocalypse-not-oscars-media-myth-of-repetition-of-doomsday-messages-on-climate/#more-432546, 10/10/12, atl)

The two greatest myths about global …of the media, intelligentsia and popular culture.

# Prolif

## Small arsenals are worse than large ones, causing first strike and survivability concerns

**Cimbala, Penn St. political science professor, 2005**

(Stephen, “Nuclear Proliferation in Asia and Missile Defense”, Comparative Strategy, ebsco, ldg)

A third difference between the Cold … compared to second-strike retaliation.

## Small is not stable.

**Feaver, Duke Assistant Professor of Political Science, 97**

(Peter, “Neooptimists and the Enduring Problem of Nuclear Proliferation”, Security Studies [Volume 6](http://www.tandfonline.com/loi/fsst20?open=6#vol_6), [Issue 4](http://www.tandfonline.com/toc/fsst20/6/4), 1997, p. 105-6, 10/22/12, atl)

Neooptimists thus see a virtue where pessimists have … design its weapon in secret and with scant resources.23

## Plan solves-reinforces US norms and cradle to grave.

Loudermilk, Institute for National Strategic Studies research associate, 11

(Micah J., Research Associate for the Energy & Environmental Security Policy program with the Institute for National Strategic Studies at National Defense University, contracted through ASE Inc., "Small Nuclear Reactors and US Energy Security: Concepts, Capabilities, and Costs," IAGS Journal of Energy Security, May 2011 Issue, 5-31-11, http://www.ensec.org/index.php?option=com\_content&view=article&id=314:small-nuclear-reactors-and-us-energy-security-concepts-capabilities-and-costs&catid=116:content0411&Itemid=375, accessed 9-30-12, mtf)

For years, proponents of nuclear power …widespread distribution of nuclear fuel allayed.

# Prolif Reps K

## No link-Our impact doesn’t presume senseless irrationality-it is the opposite of that.

Kroenig, Georgetown University Government assistant professor, 12

(Matthew, Assistant Professor of Government at Georgetown University and Stanton Nuclear Security Fellow at Council on Foreign Relations, “The History of Proliferation Optimism: Does It Have A Future?,” 5-26-12, http://www.npolicy.org/article.php?aid=1182andrtid=2, accessed 10-2-12, mtf)

Before reaching a state of MAD, … a future Middle East crisis could result in a devastating nuclear exchange.

## Prolif impacts outweigh the K and flip ethics

**Ford, Hudson Institute Senior Fellow, 11**

(Chris, 1/10/11, Havea and Have-Nots: "Unfairness in nuclear Weapons possession," www.newparadigmsforum.com/NPFtestsite/?p=658, 10/10/12, atl)

First, however, let’s provide some context. As I noted … in play. Let us not forget this.

## Perm solves the K best- Prolif exacerbates inequality—turns the K

**Biswas, Whitman College Politics Professor, 01**

(Shampa, December 2001, “Nuclear apartheid" as political position: race as a postcolonial resource?, Alternatives 26.4, 10/12/12, atl)

At one level, as Partha Chatterjee has pointed … state susceptible to undemocratic governance. (60)

## Reps don’t come first and don’t cause violence

**Rodwell, Manchester Metropolitan University PhD candidate, 2005**

(Jonathan, “Trendy But Empty: A Response to Richard Jackson”, <http://www.49thparallel.bham.ac.uk/back/issue15/rodwell1.htm>, DOA: 11-8-12, ldg)

In this response I wish to argue that the Post-Structural … a set of universals and a heuristic model.

**Self fulfilling prophecy is backwards – failure to express our fears causes them to occur**

**Macy, eco-philosopher and PhD, 1995**

(Joanna, “WORKING THROUGH ENVIRONMENTAL DESPAIR”, http://www.morning-earth.org/CE6109/EARTHJOURNAL/JOURNALING%20PDFs/PDFs%20copy%201/EARTH%20&%20SURVIVAL/MACY%20WORKING%20THRU%20DESPAIR.pdf, ldg)

There is also the superstition that negative …to feel guilty of contributing to that very fate.

# Arafura PIC

## Certainty key to private sector investment

**NMNEP, 11**

(New Millennium Nuclear Energy Partnership. “The Future of Nuclear Energy: A White Paper.” January. <http://content.thirdway.org/publications/370/Third_Way-INL_-_The_Future_of_Nuclear_Energy_A_White_Paper.pdf>. Accessed: 9/29/2012. ADC)

Broad Government Energy Policy With Washington embroiled… countries move into the nuclear energy world.

## Australia basing and prepositioning solves signal and capability

Vaughn, Asian Affairs Specialist, 12

(Bruce, “Australia: Background and U.S. Relations,” Congressional Research Service Report for Congress, January 13, 2012, http://www.fas.org/sgp/crs/row/RL33010.pdf, accessed 10-26-12, mtf)

During his visit to Australia, President Obama … seek to keep America fully engaged in Asia.

# REM DA

## New Japanese discoveries destroy China’s monopoly

**HSN 2011**

(Homeland Security News Wire, “Japanese discovery could undermine China's rare earth dominance”, 7-7, <http://www.homelandsecuritynewswire.com/japanese-discovery-could-undermine-chinas-rare-earth-dominance>, DOA: 10-2-12, ldg)

A new discovery by Japanese r…ocean floor around Papua New Guinea.

## US Ramping up domestic production

NYT, 7-5-12

(“U.S. Rare Earths Comments on Reported Chinese Heavy Rare Earths Stockpile Strategy”, Accessed 9-22-12, <http://markets.on.nytimes.com/research/stocks/news/press_release.asp?docTag=201207050930BIZWIRE_USPRX____BW5514&feedID=600&press_symbol=16888085>) NJR

“This news, as we ready our 2012 … (TRE) ranging as high as 26%.

## Alt cause – wind power

Cho ‘12

(Renee “Rare earth metals: Will we have enough?” 9-20-12 <http://phys.org/news/2012-09-rare-earth-metals.html> accessed: 9-22-12 mlb)

Wind power has grown around 7 percent a … turbines, could increase by 2,600 percent.

## China won’t restrict supply for geopolitical reasons and it won’t hurt the military if they do

**Levin, New America Foundation fellow, 2010**

(Steve, “Is China's rare earth power play really such a big deal?”, 10-21, <http://oilandglory.foreignpolicy.com/posts/2010/10/21/is_chinas_rare_earth_power_play_really_such_a_big_deal>, DOA: 10-2-12, ldg)

The supply of so-called strategic rare earth … critically needed to make such devices work.

## No war over rare earths---geopolitical tensions drive new production that solves

**Wood, Control-Risks senior global issues analyst, 2011**

(Jonathan, “Risk Map 2011”, <http://www.control-risks.com/webcasts/studio/riskmap_2011/uk/pdf/riskmap_report_2011_LR.pdf>, DOA: 10-2-12, ldg)

As these examples suggest, access to rare earths is becoming a geopolitical issue in its own right: any export restrictions, price hikes or other disruptions threaten to become sources of bilateral or multilateral tension and fuel simmering trade conflicts. Yet the strategic elevation of rare-earth elements – as well as scarce and concentrated minerals such as lithium, cobalt and coltan – will also drive new exploration worldwide as countries look to diversify and stabilise supply. Germany, for example, has called for Europe to explore and develop prospective resources in Eastern Europe and Central Asia, partly to pip China to the post. Higher prices have also encouraged Australia, vietnam, Malaysia, Canada, brazil and India to develop projects. Greenland even overturned a longstanding ban on uranium mining in 2010 to permit access to a rare-earth deposit. In the coming year, we anticipate new opportunities for miners of rare earths and other unique minerals, which could provide a boon to several mineral-rich countries and help tame geopolitical concerns.

## China would never get into a war over rare earths

**Philippens, King’s College War Studies MA, 2011**

(Henry, “Fueling China's Maritime Modernization: The Need to Guarantee Energy Security”, Journal of Energy Security, 11-14, <http://www.ensec.org/index.php?option=com_content&view=article&id=332:fueling-chinas-maritime-modernization-the-need-to-guarantee-energy-security&catid=121:contentenergysecurity1111&Itemid=386>, DOA: 10-2-12, ldg)

Concerns about supply stability, cost and …try to protect and assume control over its SLOC.

## Heg doesn’t deter conflict – empirics prove

Fettweis, 11

(Christopher, professor of political science and international relations at Tulane University, "Free Riding or Restraint? Examining the Grand Strategy of Europe and Japan", Paper presented at the annual meeting of the International Studies Association Annual Conference "Global Governance: Political Authority in Transition", <http://citation.allacademic.com/meta/p_mla_apa_research_citation/5/0/1/3/8/p501387_index.html>, accessed 1-5-12, AT)

The limited empirical evidence we … think otherwise base their view on faith alone.

# \*\*\*\*1AR\*\*\*\*

# Prolif

## Bioweapon Death tolls are massively exaggerated.

**Leitenberg, Senior research scholar at the University of Maryland, 06**

(Milton, Senior Fellow at CISSM, “Bioterrorism, Hyped”, http://www.commondreams.org/views06/0217-27.htm, 10/26/12, atl)

The United States has spent at … 11 million people each year?

## No tacit knowledge and external factors

**Ouagrham-Gormley, George Mason Department of Public and International Affairs Assistant Professor, 12**

(Sonia Ben, “Barriers to Bioweapons: Intangible Obstacles to Proliferation”, International Security: Volume 36, Number 4, Spring 2012, 9/19/12, atl)

Technical and scientific knowledge … funding had the same delaying effect.[29](http://muse.jhu.edu.ezproxy.liberty.edu:2048/journals/international_security/v036/36.4.ben-ouagrham-gormley.html" \l "f29)

# K

## Reps 1st is bad – reps only matter because of their pragmatic effect on policy

**Dewsbury, Bristol University geographical studies professor, 2003**

(John-David, Environment and Planning A 2003, volume 35, pages 1907-1932 -- <http://www.sages.unimelb.edu.au/news/mhgr/dewsbury.pdf>, ldg)

That someone includes us -- the social scientists, the … **understanding at all -- that is critically flawed.**