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INSTITUTE FOR SCIENCE, SOCIETY AND POLICY

Conference on Governance of Emerging Technologies 21 May 2013

The Case for Adaptation & the Climate Change Model

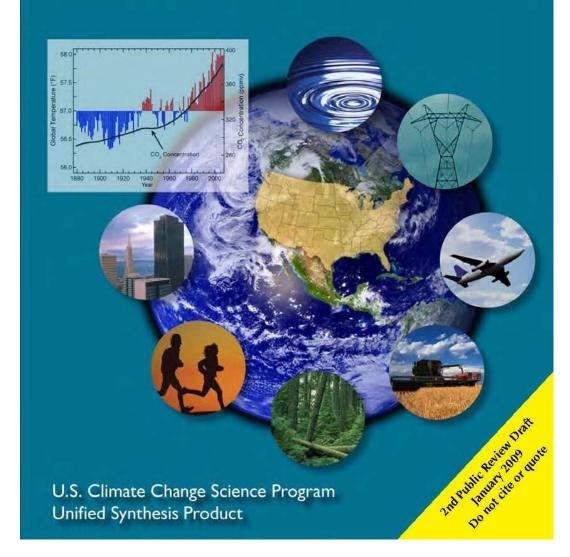
Marc Saner Director, Institute for Science, Society and Policy



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Global Climate Change Impacts in the United States





- 9 Governance Stances
- 3 Technology Criteria
- 10 Arguments for Adaptation
- 5 Models from Climate Change
- = Too may Items

(full manuscript available ...)





Governance by Control ...



... is not our only instrument

... often fails (prohibition examples)

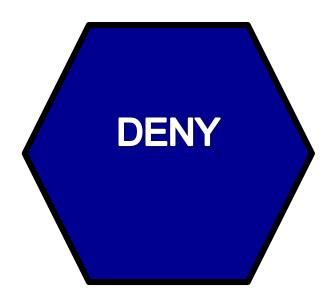
... is not always performance-oriented

Who controls whom? (Autonomous Technology)

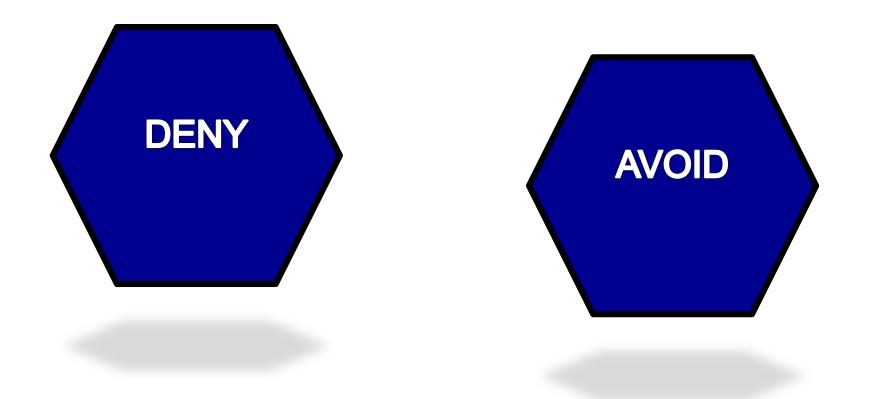


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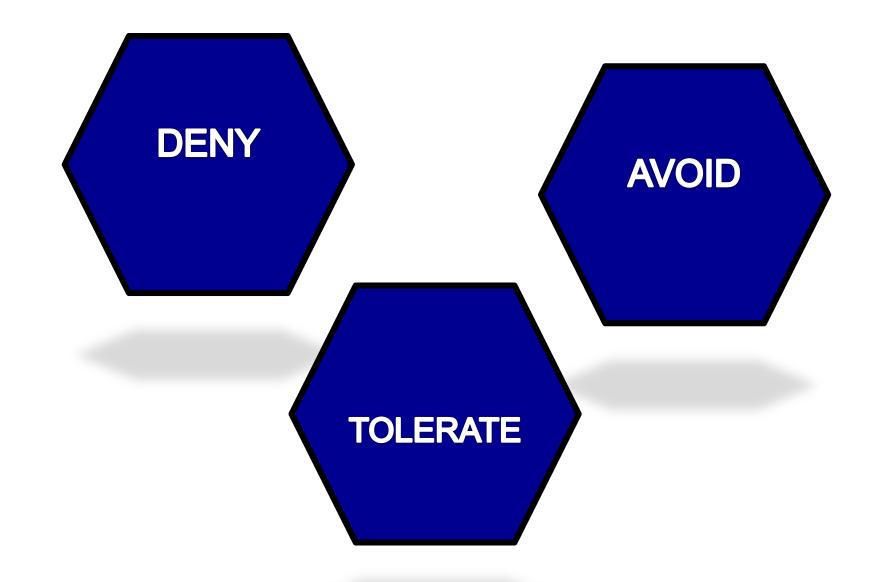




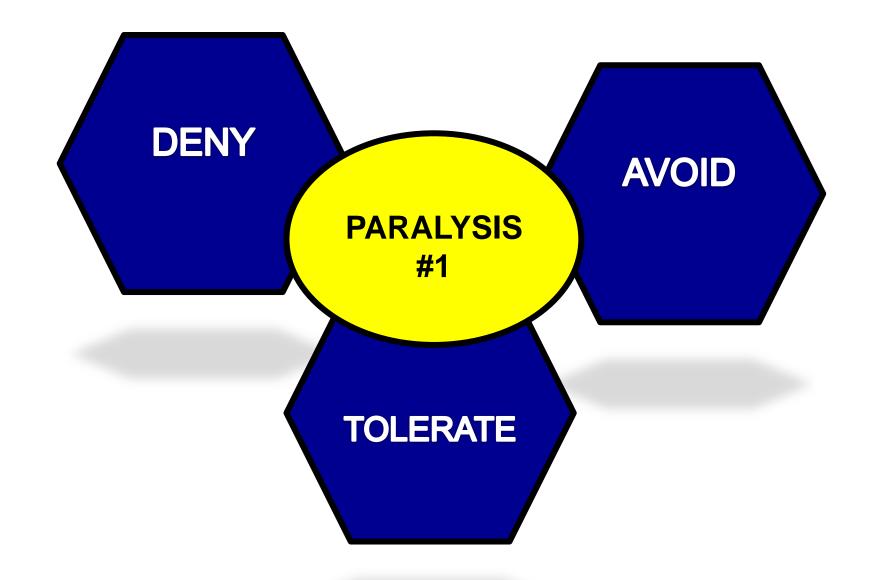








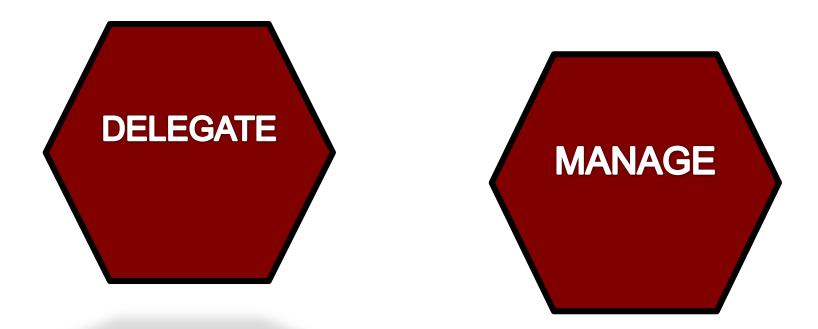




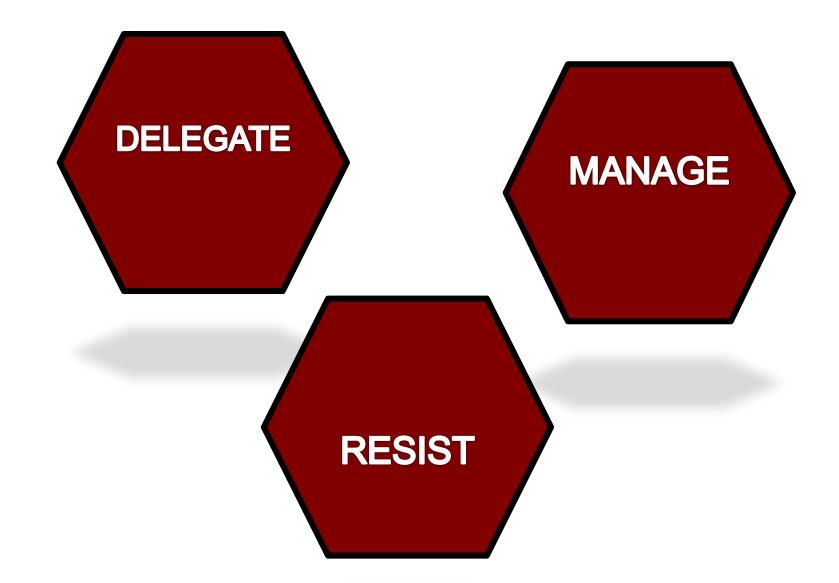




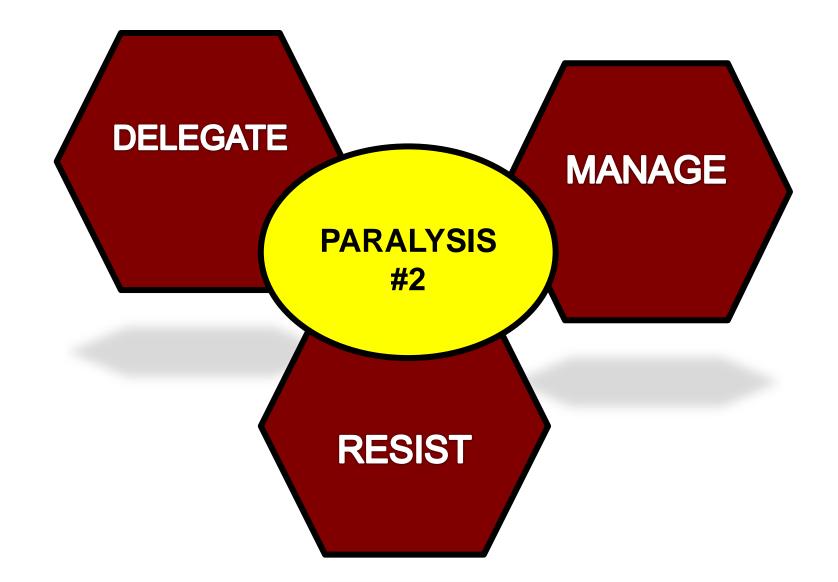






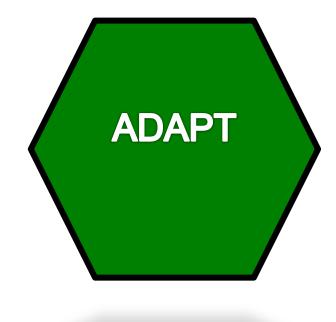








Governance by Adaptation





S&S 2013



Criteria

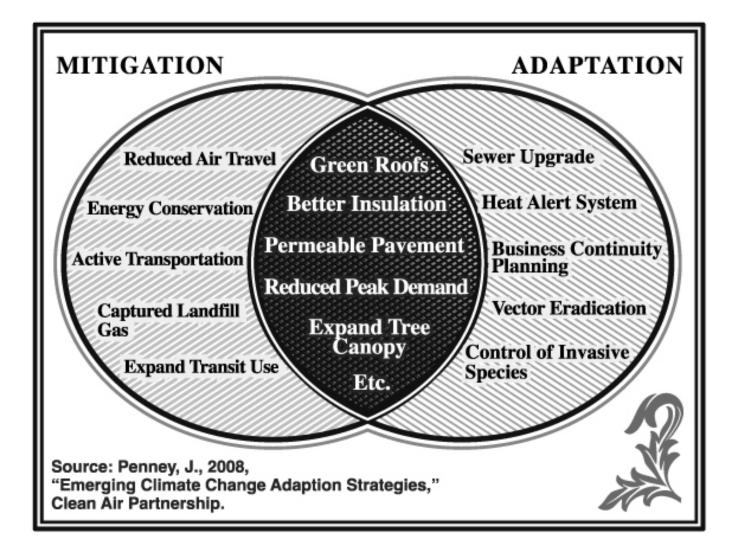
Adaptation is especially important if:

- 1. Extreme **pace** (time) or:
- 2. Extreme **diffusion** (space) or:
- 3. Extreme novelty (ethics)

Benefits of Adaptation Lens

For Example:

The Climate Change Analogy





UN Adaptation Research



REPORTS - ASSESSMENT REPORTS

IPCC Fourth Assessment Report (AR4)

Climate Change 2007: Impacts, Adaptation and Vulnerability



Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds. Cambridge University Press, Cambridge, UK, 976 pp

Contents

Introduction to the Report Summary for Policymakers Technical Summary



UN Adaptation Framework



United Nations

Framework Convention on Climate Change

CDM	JI	CC:iNet	TT:Clear	Your location: Home > Adaptation > Cancun Adaptation Framework
OTIATIONS				Cancun Adaptation Framework
igs				Parties adopted the Cancun Adaptation Framework (CAF) as part of the Cancun Agreements at the 2010 Climate Change Conference in Cancun, Mexico (COP 16/ CMP 6). In the Agreements, Parties affirmed that adaptation must be addressed with the same level of priority as mitigation. The CAF is the result of three years of negotiations on adaptation under the AWG-LCA that had followed the adoption of the Bali Action Plan at the 2007 Climate Change Conference in Bali, Indonesia (COP 13/ CMP
nents & Decisions				
s US				
e				A chronology provides an overview of all relevant negotiations, meetings and documents on the Cancun Adaptation Framework
tion				Cancul Adaptation Framework
olomi				



Global Adaptation Committee



United Nations

Framework Convention on Climate Change

CDM JI CC:iNet TT:Clear	Your location: Home > Adaptation > Cancun Adaptation Framework > Adaptation Committee			
OTIATIONS	Adaptation Committee			
igs	As part of the Cancun Adaptation Framework, Parties established the Adaptation Committee to promote the implementation of enhanced action on adaptation in a coherent manner under the Convention, inter alia, through the following functions: Providing technical support and guidance to the Parties Sharing of relevant information, knowledge, experience and good practices 			
nents & Decisions				
5				
US				
ation	Promoting synergy and strengthening engagement with national, regional and international organizations, centres and networks			
e	 Providing information and recommendations, drawing on adaptation good practices, for 			
tion	consideration by the COP when providing guidance on means to incentivize the			
ology	 implementation of adaptation actions, including finance, technology and capacity-building 5. Considering information communicated by Parties on their monitoring and review of adaptation actions, support provided and received 			



UN Adaptation Fund



United Nations Framework Convention on Climate Change

DM JI	CC:iNet	TT:Clear	Your location: Home > Cooperation & Support > Finance > Adaptation Fund
	ONS		Adaptation Fund
IS			
ents & D	ecisions		The Adaptation Fund was established to finance concrete adaptation projects and programmes in developing country Parties to the Kyoto Protocol that are particularly vulnerable to the adverse effects of climate change.
IS tion			The Adaptation Fund is financed from the share of proceeds on the clean development mechanism (CDM) project activities and other sources of funding. The share of proceeds amounts to 2% of certified emission reductions (CERs) issued for a CDM project activity.
)			The Adaptation Fund is supervised and managed by the Adaptation Fund Board (AFB). The AFB is
on			composed of 16 members and 16 alternates and meets at least twice a year (2 Membership as of March 2012 (45 kB)).
logy			
ESS			Upon invitation from Parties, the Global Environment Facility (GEF) provides secretariat services to the AFB and the World Bank serves as trustee of the Adaptation Fund, both on an interim basis.



New!!! Submit your case study now

Following a successful launch in 2011/2012, the Adaptation Programme of the UNFCCC Secretariat under its Nairobi work programme (NWP) on impacts, vulnerabilities and adaptation to climate change is calling upon private sector organizations and other stakeholders to submit case studies that show innovative activities of adaptation to climate change.

Please tell us your story on how your organization is engaging and adapting to climate change in a sustainable manner, reducing business risks, reducing and avoiding the impacts and the vulnerabilities posed by extreme climate events, and also profiting from the opportunities that changes in climatic conditions present.

Download and fill in the submission form with your organization's case study, and send it to nwp@unfccc.int. Please, refer to "NWP case study" in the subject line.

The case studies will be shared publically in our dedicated online database



Take Home



- For "wicked" cases, one better uses the entire toolkit of policy instruments
- Much can be said to explicitly address adaptation
- Climate change provides several models that could be ported to emerging technologies

Thanks to Jackie Dawson and Thank You! msaner@uottawa.ca

