Beacon Hill Seminars – 2016

"Earth's Changing Climate: What is Causing It? What Will It Mean for You?

Session 3 –Sea Level Change (Part 2)

+ Climate Change and Food Security

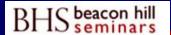


Timothy C. Weiskel

20 October 2016

Transition-Studies

Cambridge Climate Research Associates
Fall Semester 2016



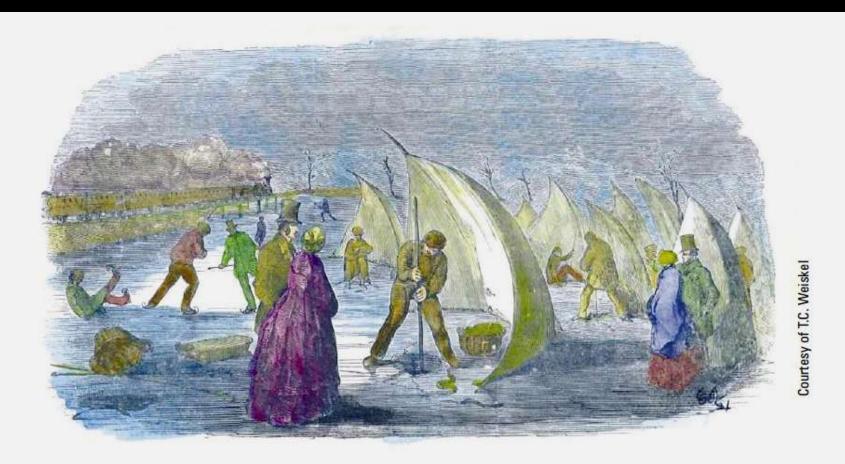
What determines "sea level" in Earth's ecosystem?





"...not a question of will sea level rise a large amount... It is only a question of how fast that will occur."

What will this mean for Boston in "historical time?"



Eel fishing, Back Bay section of the lower Charles River, about 1845. The causeway in the background was built for the Boston & Worcester Railroad, which began serving passengers in 1835.







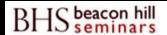
Flooding from 100 year storm with 0.6 m sea level rise

DI Seminars

Applied Science Associates Izens 2

New York City - Category 3 Hurricane - "Knowns and Needs"













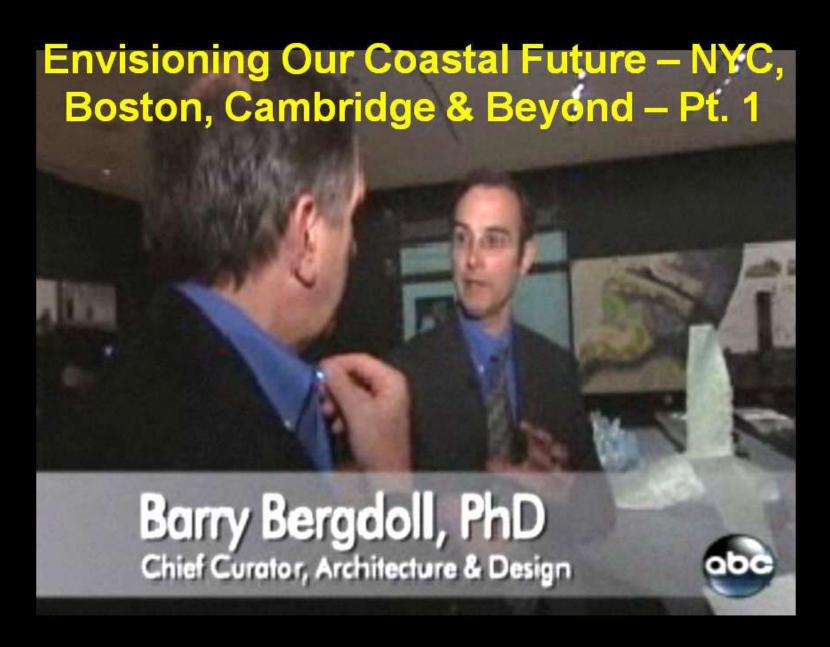


"New York City Goes Under,"
YouTube - stepitup07, (27 February 2007).





BHS beacon hill seminars



Storm Tracker

Posted on January 28, 2016 | Leave a comment | Edit







https://environmentaljusticetv.wordpress.com/2016/01/27/mega-disasters-new-york-

"Envisioning Our Coastal Future: NYC, Boston, Cambridge, and Beyond - Pt. 2"

Defending Boston from the sea

A massive ocean barrier. Hidden Holding tanks. With Sea Levels Rising, Urban Planners Start Envisioning a More Waterproof City



(Courtsey Antonio Di Mambro & Associates)

By Drake Bennett June 6, 2010

"Envisioning Our Coastal Future: NYC, Boston, Cambridge, and Beyond - Pt. 2"

HOME / GLOBE / IDEAS

Defending Boston from the sea

A massive ocean barrier. Hidden Holding tanks. With Sea Levels Rising, Urban Planners Start Envisioning a More Waterproof City



By Drake Bennett

June 6, 2010



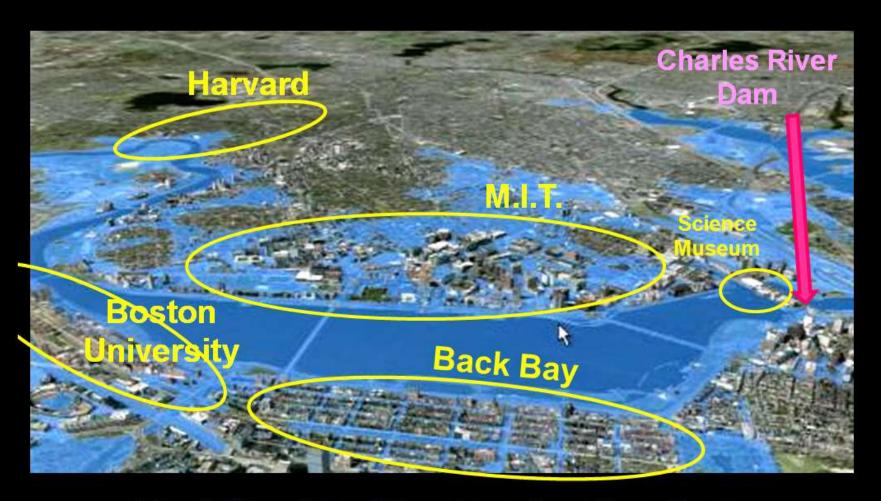
"Daniel Schrag: Geoengineering," WGBH Forum Network, (30 October 2008).



"Daniel Schrag: Geoengineering," WGBH Forum Network, (30 October 2008).



"Daniel Schrag: Geoengineering," WGBH Forum Network, (30 October 2008).



Re-Viewing Boston by the Sea

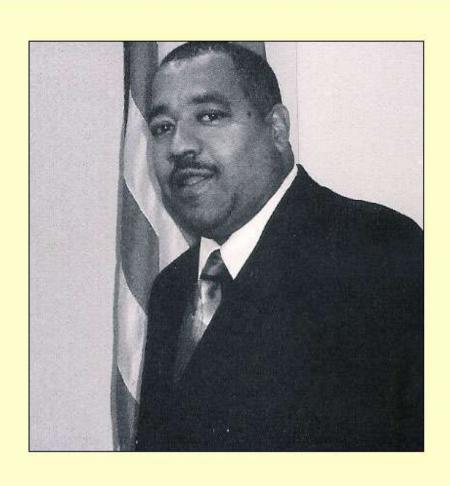


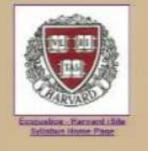
The Boston Harbor Association's "Boston Harbor Sea Level Rise Forum" and related community meetings

Come learn about climate change and sea-level rise in Boston Harbor at The Boston Harbor Association (TBHA)'s "Boston Harbor Sea-Level Rise Forum" on the evening of 9 November and the morning of 10 November 2010.

Highlights of the Forum include a keynote address by Gina McCarthy, the U.S. Environmental Protection Agency's Assistant Administrator, as well as the debut of maps showing the potential impacts of sea level rise and climate change in Boston Harbor and local neighborhoods. The forum will provide valuable information specific to Boston Harbor as well as include open mike sessions for questions and comments from the general public.

The Honorable Leo Robinson, Mayor of Chelsea





The Working Group on Environmental Justice of the

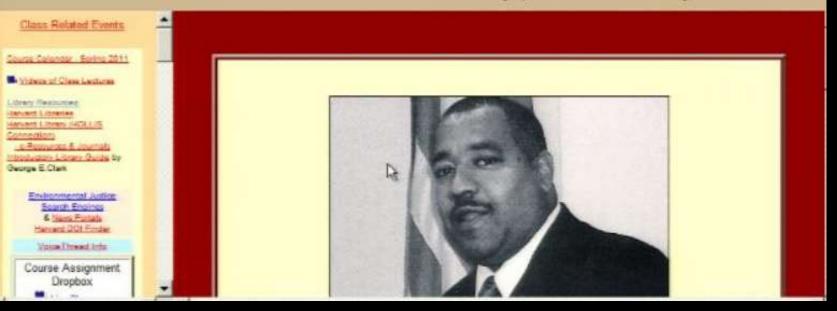
W.E.B. Du Bols Institute for African and African American Research and The Extension School, Hervard University present

ENVR E-145

Introduction to Environmental Justice

http://courses.doe.harvard.edu/~envre145

James Hoyte, Rhona Julien and Timothy C. Weiskel

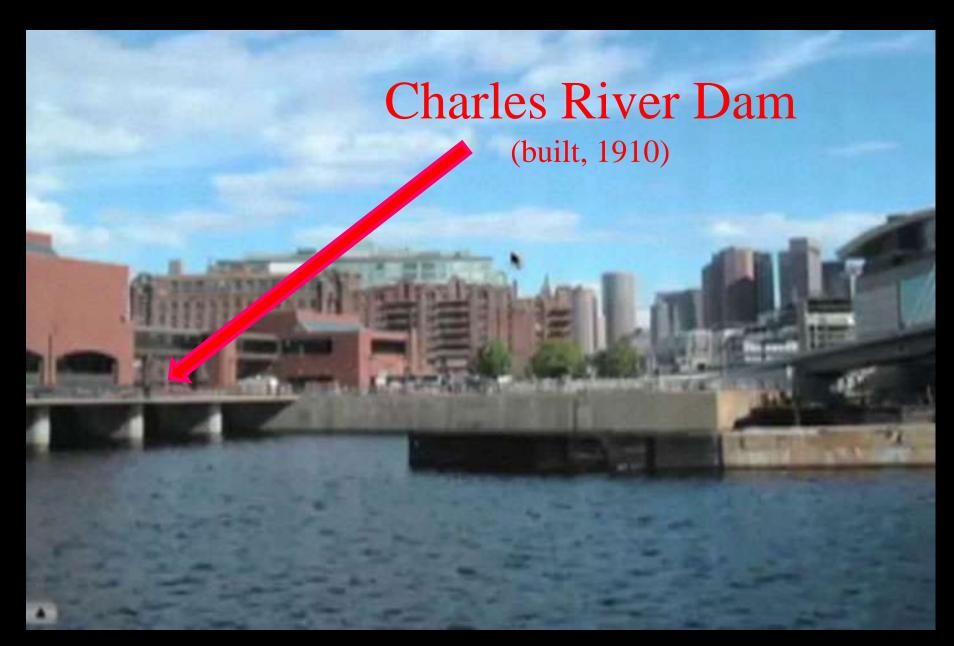


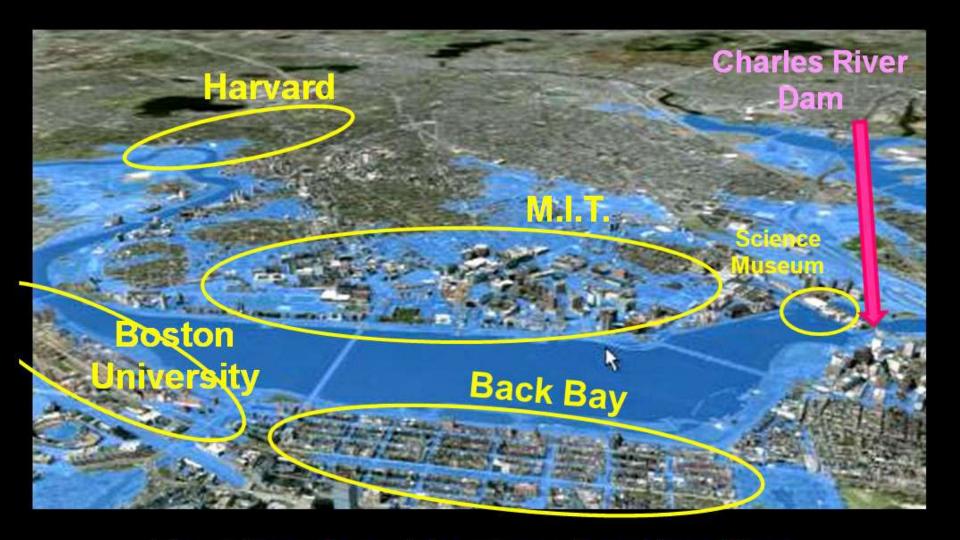
Sea Level and Environmental Justice

Boston, Chelsea and the Challenge of Climate Change and the Rising Sea

4 April 2011

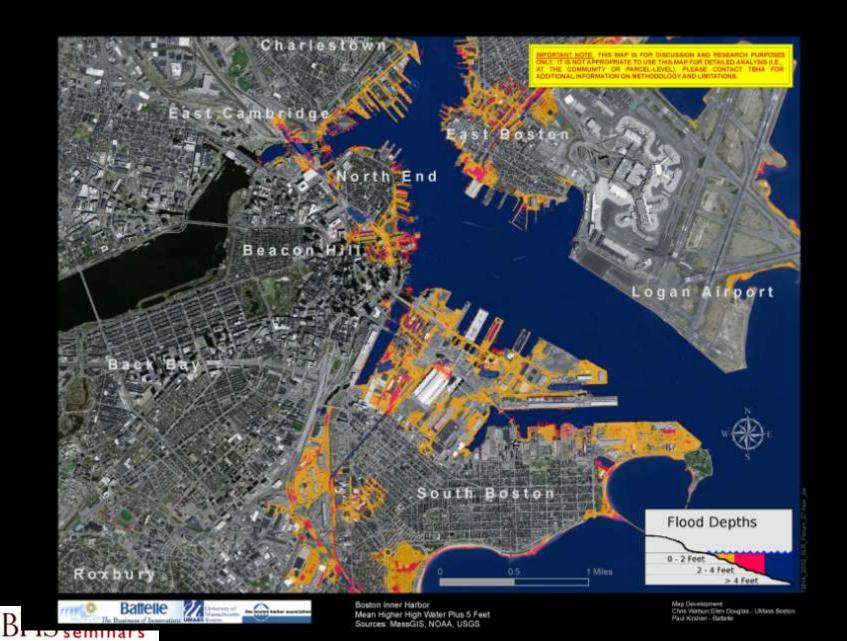






Re-Viewing Boston by the Sea









Boston Inner Harbor Mean Higher High Water Plus 7.5 Feet Sources: MassGIS, NOAA, USGS Map Development Chris Watson Ellen Douglas - UMent Boston Paul Wishon - Battelle



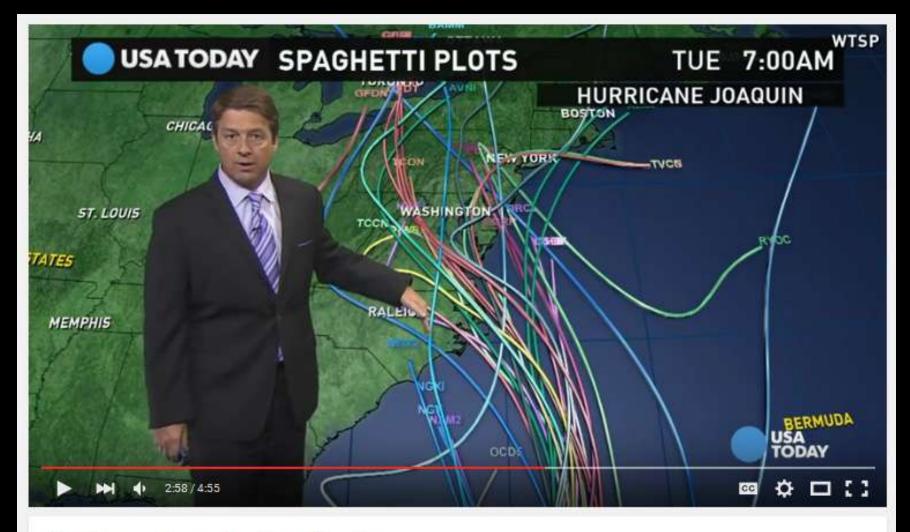
Exxon Sued Again, This Time for Polluting Mystic River

Posted on October 10, 2016 | Leave a comment | Edit









Hurricane Joaquin strengthens



THE WEATHER OF THE **FUTURE**

Heat Waves, Extreme Storms, and Other Scenes from a Climate-Changed Planet



WEATHER OFTHE FUTURE

Heat Waves, Extreme Storms, and Other Scenes from a Climate-Changed Planet

Fortunately, Dan Schrag has subsequently done a great deal to move along the public understanding of sea level change in Boston

HUBweek: Coping with Climate Change: How Will Boston Adapt?

Posted on October 21, 2015 | Leave a comment | Edit



https://vimeo.com/143134251





Harvard University Center for the Environment



The Harvard University Center for the Environment presents:

Hubweek 2015

Atyia Martin, James McCarthy, Carl Spector, & Robert Young Coping with Climate Change: How Will Boston Adapt?

October 7th 2015



environment.harvard.edu





Professor Dan Schrag, October 2015



















In addition, citizens of Cambridge have done a great deal as well...





Dr. Paul Kirshen – Cambridge Climate Congress October – November 2016





And, fortunately, Boston has begun as well...

[via the BBC]



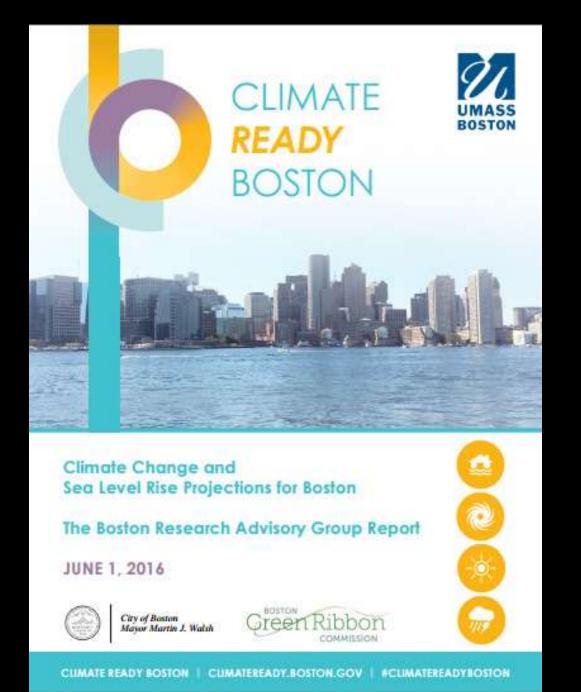
Boston Calling







Boston has begun as well to project what sea level changes will mean locally.



And Boston has begun as well...





Climate Change and Sea Level Rise Projections for Boston

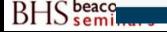
The Boston Research Advisory Group Report

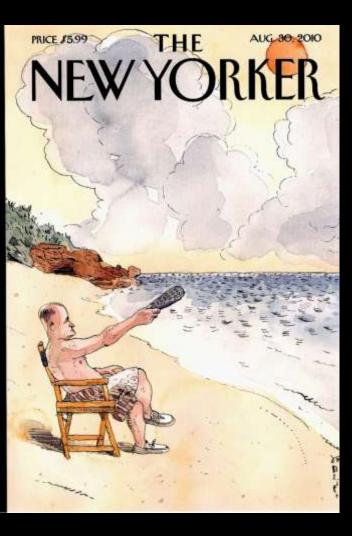
JUNE 1, 2016

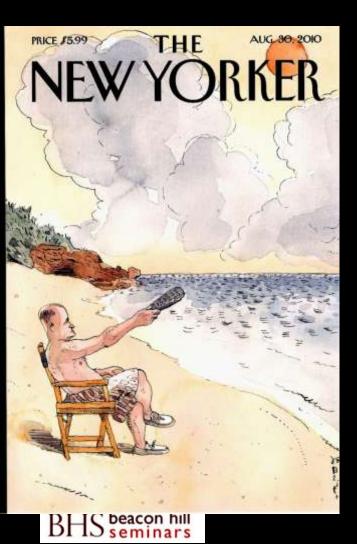


City of Boston Mayor Martin J. Walsh

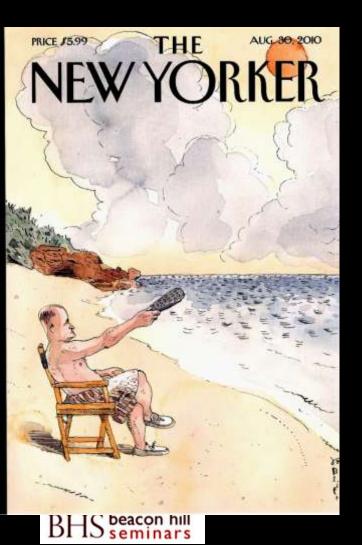






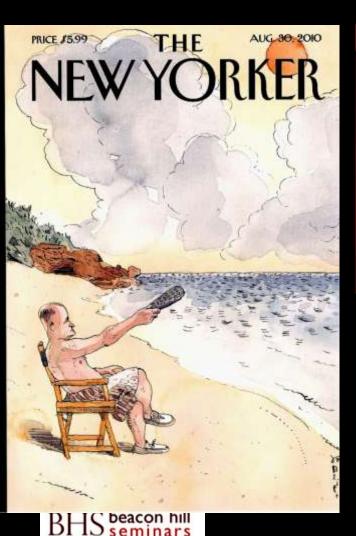


Expecting the "channel to change" is not a good strategy for Boston.



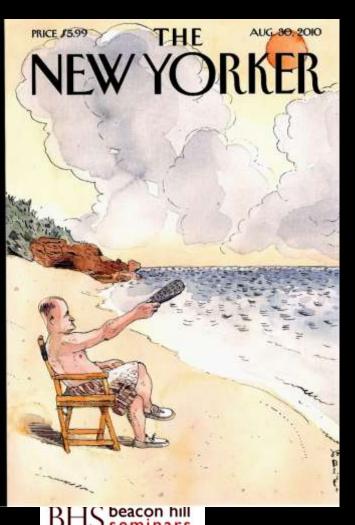
Expecting the "channel to change" is not a good strategy for Boston.

No matter how hard we hit the clicker, the "sea-level channel" will not change simply because we are tired of this story and want to look at something else....





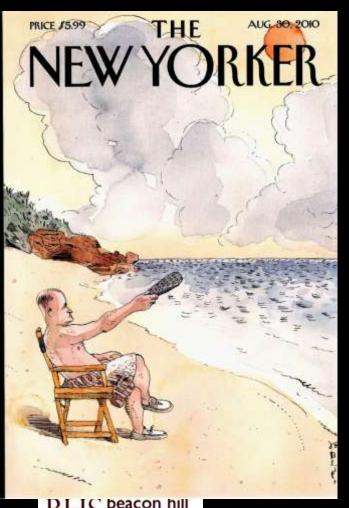
Is Boston better prepared for the future than New York was for hurricane Sandy?





Is Boston better prepared for the future than New York was for hurricane Sandy?

Those who do not learn from the past are condemned to repeat it.





Is Boston better prepared for the future than New York was for hurricane Sandy?

Those who do not learn from the past are condemned to repeat it.

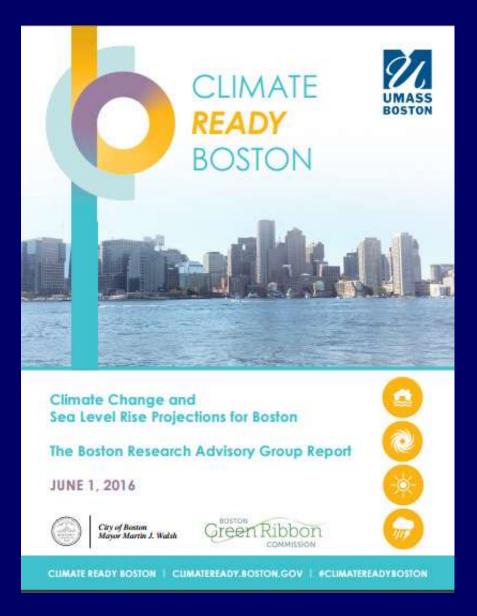
Climate Change and Sea Level Rise Projections for Boston

The Boston Research Advisory Group Report

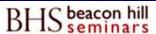
JUNE 1, 2016







Get your copy of the report...
See who is engaged, get in touch with them, and thank them for their important professional and civic work...







Get your copy of the report... See who is engaged, get in touch with them, and thank them for their important professional and civic work...

The Boston Research Advisory Group would like to acknowledge the generous support of the following organizations in making this project possible:

The Green Ribbon Commission

The Barr Foundation

The Sherry and Alan Leventhal Family Foundation

The Boston Foundation

We would like to thank the following panel of experts for reviewing the BRAG report.

Robin Bell, Columbia University Indrani Ghosh, Kleinfelder

Eddy Moors, Alterra Wageningen University and VU University Amsterdam

Anji Seth, University of Connecticut

Geoffrey Trussell, Northeastern University

Richard Vogel, Tufts University

Michael Wehner, Lawrence Berkeley National Laboratory Donald Wuebbles, University of Illinois

Climate Change and Sea Level Rise Projections for

The Boston Research Advisor

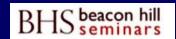
JUNE 1, 2016



City of Boston Mayor Martin J. Walsh



CLIMATE READY BOSTON | CLIMATEREADY.







Get your copy of the report... See who is engaged, get in touch with them, and thank them for their important professional and civic work...

Climate Change and Sea Level Rise Projections for Boston
The Boston Research Advisory Group Report

Management Team

Ellen Douglas, University of Massachusetts Boston, Ellen.Douglas@umb.edu
Paul Kirshen, University of Massachusetts Boston, Paul.Kirshen@umb.edu
Robyn Hannigan, University of Massachusetts Boston, Robyn.Hannigan@umb.edu
Rebecca Herst, University of Massachusetts Boston, Rebecca.Herst@umb.edu
Avery Palardy, University of Massachusetts Boston, Avery.Palardy001@umb.edu

Sea Level Rise

Robert DeConto, University of Massachusetts Amherst, Team Leader

Duncan FitzGerald, Boston University

Carling Hay, Harvard University

Zoe Hughes, Boston University

Andrew Kemp, Tufts University

Robert Kopp, Rutgers University

Climate Change and Sea Level Rise Projections for Bostor

The Boston Research Advisory Grou

JUNE 1, 2016





CLIMATE READY BOSTON | CLIMATEREADY.BOSTON.GO





UMASS BOSTON Get your copy of the report... See who is engaged, get in touch with them, and thank them for their important professional and civic work...

Coastal Storms

Bruce Anderson, Boston University, Team Leader
Zhiming Kuang, Harvard University
Sai Ravela, Massachusetts Institute of Technology
Jonathan Woodruff, University of Massachusetts Amherst

Extreme Precipitation

Mathew Barlow, University of Massachusetts Lowell, Team Leader

Mathias Collins, NOAA

Art DeGaetano, Cornell University

C. Adam Schlosser, Massachusetts Institute of Technology

Extreme Temperatures

Auroop Ganguly, Northeastern University, Team Leader
Evan Kodra, risQ Company
Matthias Ruth, Northeastern University

Climate Change and Sea Level Rise Projections for Boston

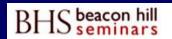
The Boston Research Advisory Group Repr

JUNE 1, 2016





CUMATE READY BOSTON | CUMATEREADY.BOSTON.GOV | #C



In addition discussions are beginning in Boston on the ethics of climate change strategies as well...

An Ethics for the Coming Storm: A Theological Reflection on Climate Change | Laurie Zoloth – Boisi Center – Boston College

Posted on October 18, 2016 | Leave a comment | Edit

The BOISI CENTER for

RELIGION and AMERICAN PUBLIC LIFE

feast screen at the Basel Center

The BOISI CENTER for Religion and American public life

The 16th Annual Prophetic Voices Lecture

An Ethics for the Coming Storm

A Theological Reflection on Climate Change

LAURIE ZOLOTH
NORTHWESTERN UNIVERSITY

DATE: TUESDAY, OCTOBER 25, 2016

TIME: 6:00-7:30 PM

LOCATION: FULTON HALL, ROOM 511



Tim Weiskel - 60

Further, we now realize that Boston is not facing this problem alone....

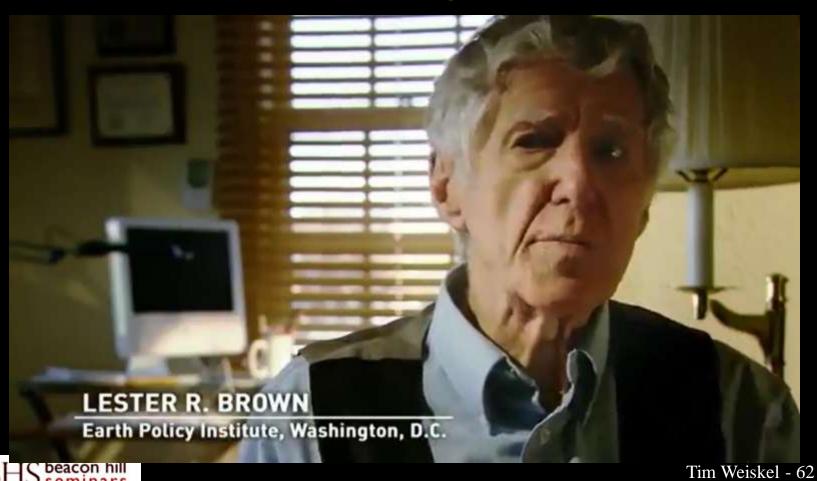
Interactive Map Shows 414 U.S. Cities Already Locked Into Catastrophic Sea Level Rise

Posted on October 18, 2015 | Leave a comment





Then, beyond the post-Columbian city what about the other dimensions of the sea level problem...?.



Nile Delta Disappearing Beneath the Sea – Inter Press Service

Posted on January 29, 2014 | Leave a comment | Edit

By Cam McGrath



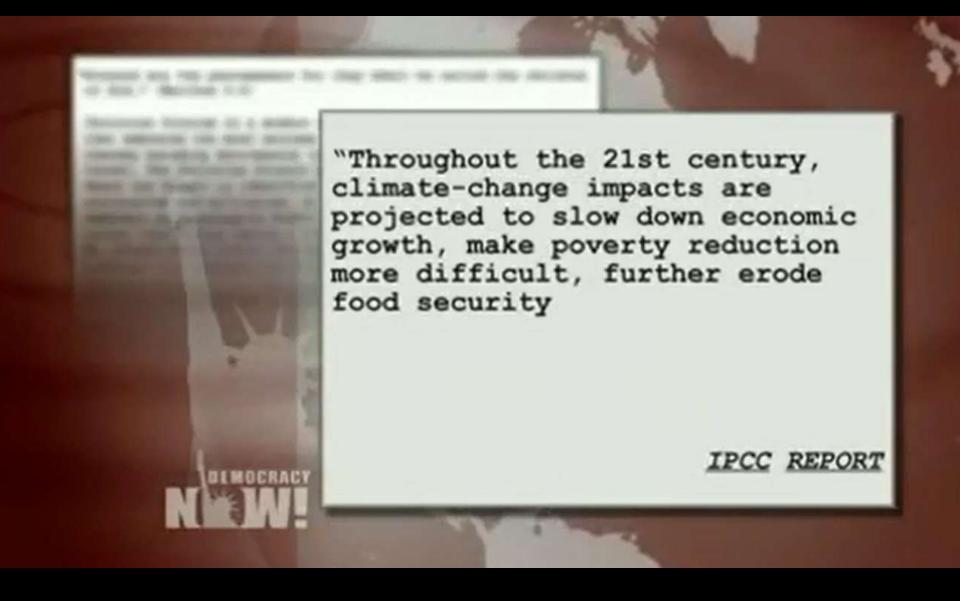


https://environmentaljusticetv.wordpress.com/2 013/06/13/rising-tide-egypt/





https://environmentaljusticetv.wordpress.com/2013/0 6/13/the-role-of-rising-food-prices-in-egypts-



https://environmentaljusticetv.wordpress.com/2014/04/02/u-n-climate-panel-issues-dire-warning-of-threat-to-global-food-supply-



We need to keep the long view in mind... ... and build our response-ability locally



We need to keep the long view in mind...
.... and build our response-ability locally
The moonlight sonata might help....



We need to keep the long view in mind...
.... and build our response-ability locally
The moonlight sonata might help....

& some basic principles need emphasis:



We need to keep the long view in mind...
... and build our response-ability locally
The moonlight sonata might help....

& some basic principles need emphasis: Sea Level is NOT Storm Surge





We only have one Earth.



We only have one Earth.

We only get one chance.



We only have one Earth.

We only get one chance.



We only have one Earth.

We only get one chance.





121 Mount Vernon Street Boston, MA 02108 617 523 0970

home calendar of courses information news registration member feedback

Earth's Changing Climate: What is Causing It? What Will It Mean for You?



121 Mount Vernon Street Boston, MA 02108 617 523 0970

home calendar of courses information news registration member feedback

Earth's Changing Climate: What is Causing It? What Will It Mean for You?

Thank you....



121 Mount Vernon Street Boston, MA 02108 617 523 0970

home calendar of courses information news registration member feedback

Earth's Changing Climate: What is Causing It? What Will It Mean for You?

Thank you....

Beacon Hill Seminars – 2016

"Earth's Changing Climate: What is Causing It? What Will It Mean for You?

Session 3 –Sea Level Change (Part 2)

+ Climate Change and Food Security



Timothy C. Weiskel

20 October 2016

Transition-Studies

Cambridge Climate Research Associates
Fall Semester 2016

