

2015

Engaging South Florida on Sea Level Rise: Eyes on the Rise, King Tides and Citizen Science

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Journalism & Mass Communication
FLORIDA INTERNATIONAL UNIVERSITY

ENGAGING SOUTH FLORIDA ON SEA LEVEL RISE: EYES ON THE RISE, KING TIDES AND CITIZEN SCIENCE

JULIET PINTO AND SUSAN JACOBSON

SCHOOL OF JOURNALISM AND MASS COMMUNICATION

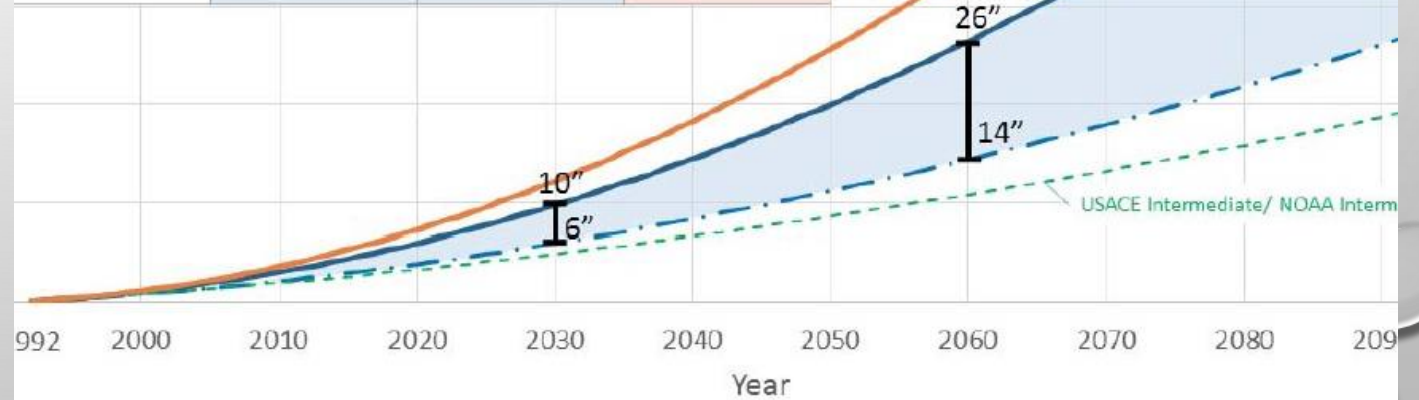
FLORIDA INTERNATIONAL UNIVERSITY

CHALLENGES FOR SOUTH FLORIDA WITH ACCELERATING SEA LEVEL RISE

- POROUS LIMESTONE ROCK
- LOW TOPOGRAPHY
- CANAL SYSTEMS
- SALT WATER INTRUSION
- FLOOD INSURANCE
- BUILDING CODES

Unified Sea Level Rise Projection
(Southeast Florida Regional Climate Change Compact, 2015)

Year	IPCC AR5 Median (inches)	USACE High (inches)	NOAA High (inches)
2030	6	10	12
2060	14	26	34
2100	31	61	81



MIAMI AND SEA LEVEL RISE

WHAT IS BEING DONE

- MIAMI BEACH:
 - \$400 MILLION FOR PUMPS AND OTHER INFRASTRUCTURE
 - BEACH RENOURISHMENT
 - LIVING WALLS
 - NEW BUILDING STANDARDS AND SEA WALL HEIGHTS
- FLORIDA INTERNATIONAL UNIVERSITY
 - CREATION OF A SEA LEVEL SOLUTIONS CENTER
- REGIONAL:
 - SOUTH FLORIDA CLIMATE CHANGE TASK FORCE

CHALLENGES

- NEED FOR INCREASED PUBLIC AWARENESS
- LITTLE STATE POLITICAL WILL
- LACK OF ACADEMIC UNIT FOR SCIENCE/ENVIRONMENTAL COMMUNICATION
- ACROSS PLATFORMS AND TO MULTI-LINGUAL COMMUNITIES

COP21



CREATIVE WORK: “SOUTH FLORIDA’S RISING SEAS”

- ORIGINATED FROM SEJ 2011 SEA LEVEL RISE TOUR
- 26-MINUTE AWARD-WINNING DOCUMENTARY PRODUCED BY KATE MACMILLIN AND JULIET PINTO, FIU-SJMC FACULTY
- AIRED ON PUBLIC TELEVISION IN JANUARY 2014
- WAS REPURPOSED FOR PBS NEWSHOUR (MARCH 2014) AND THE SUN-SENTINEL FEATURE ON SEA LEVEL RISE (APRIL 2014)
- HAS BEEN AIRED DOZENS OF TIMES AND VIEWED ONLINE THOUSANDS OF TIMES
- [TRAILER \(ONE-MINUTE\)](#)



GRANT FUNDED ACTIVITY: TEACHING AND RESEARCH/CREATIVE WORK

EYES ON THE RISE

- \$35,000 CHALLENGE FUND GRANT TO “HACK THE CURRICULUM”
- NEW COURSES
- SEA LEVEL RISE APP
- COLLABORATIONS WITH HIGH SCHOOLS
- VIDEOS FOR PUBLIC TELEVISION

Eyes on the Rise
Sea Level Rise South Florida

Map Satellite

1 FIND YOUR LOCATION 2 SEA-LEVEL RISE 3 FLOODS AND TIDES

Hide Flood Reports
Miami-Dade County 311 flood reports

Hide Flood Reports
Eyes on the Rise Citizen Flood Reports

Upload a Flood Report

Document A Flood

kingtides.us

Document a Flood

What is your name? *

First Name Last Name

What is your e-mail?

ex: myname@example.com

Sea Level Rise Toolbox

FIU

Map data ©2015 Google | Terms of Use | Report a map error

EVENT JOURNALISM, 15 COURSES, 4 FACULTY, 100+ STUDENTS



KING TIDE DAY, OCT. 9, 2014

- EYES ON THE RISE FUNDED EVENT
- CROWD HYDROLOGY AND SENSOR JOURNALISM (MAST AND FIU STUDENTS)
- EPA ADMINISTRATOR GINA MCCARTHY
- SEN. BILL NELSON
- SEN. SHELDON WHITEHOUSE
- MAYOR PHILIP LEVINE
- MAYOR CINDY LERNER
- CLEO PANEL



STUDENT WORK: *SEA LEVEL RISE: IMPACT*

The image shows a screenshot of a YouTube video player. The video title is "Sea Level Rise Impact: Canary in the Coal Mine". The channel is "uVu, South Florida" with 103 subscribers. The video has 172 views, 3 likes, and 0 comments. The video player shows a progress bar at 0:07 / 4:44. The video content displays a blue silhouette of a city skyline with the text "SEA LEVEL RISE IMPACT: An FIU/SJMC Series" and "eyesontherise.org".

YouTube Download

SEA LEVEL RISE IMPACT:
An FIU/SJMC Series
eyesontherise.org

0:07 / 4:44

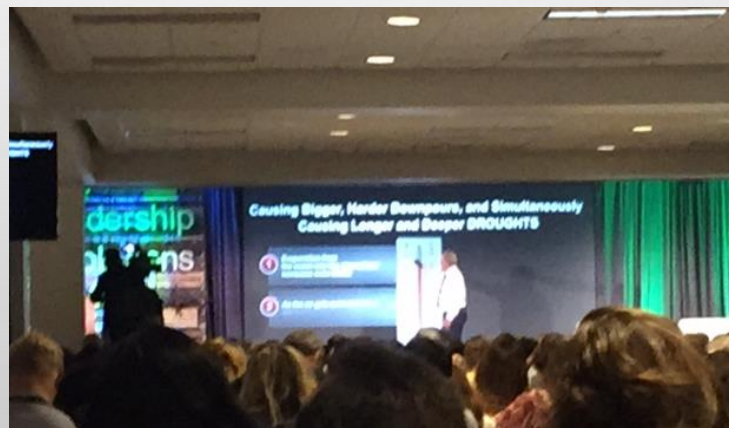
Sea Level Rise Impact: Canary in the Coal Mine

uVu, South Florida Subscribe 103 172 views

+ Add to ↪ Share ⋮ More 👍 3 💬 0

Published on Apr 8, 2015
From WPBT2 and FIU, see how South Florida is fighting against the impact of Sea Level Rise.
Sea Level Rise Impact, an FIU/SJMC series, was developed in conjunction with eyesontherise.org and the

KING TIDES, SEPT. 28, 2015



KING TIDES, OCT. 28, 2015



KING TIDES, NOV. 24, 2015: CITIZEN SCIENCE TO ENGAGE & EMPOWER COMMUNITIES

FIU | Sea Level
Solutions Center
FLORIDA INTERNATIONAL UNIVERSITY



Eyes on the Rise



Journalism &
Mass Communication

Union of
**Concerned
Scientists**



Constructing Climate Change in the Americas An Analysis of News Coverage in U.S. and South American Newspapers

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Juliet Pinto²
Maria Elena Villar²

¹University of Minnesota, Minneapolis, USA
²Florida International University, Miami, USA

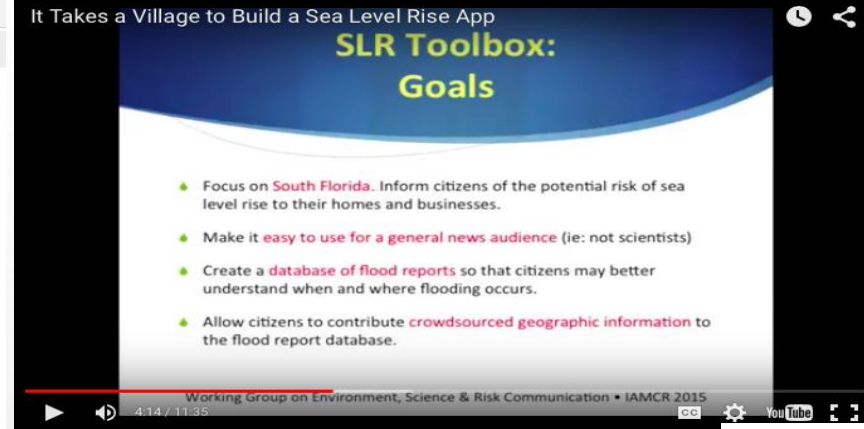
Rodrigo Zamith, School of Journalism and Mass Communication, University of Minnesota, 111 Murphy Hall, 206 Church Street SE, Minneapolis, MN 55455, USA.
Email: zamit001@umn.edu

Abstract

This study examined the portrayal of climate change in four national newspapers from Argentina, Brazil, Colombia, and the United States. The results indicated that leading media in Brazil and the United States highlighted the policy progress being made to

Sea Level Rise Toolbox App at IAMCR

JULY 22, 2015 / SUSAN JACOBSON / 0 COMMENTS



SPECIAL FEATURE

Press Freedom, Democracy and Climate Change Reporting in Latin America

By Juliet Pinto and Mercedes Vigón

How do and should the media report on climate change, and what does their reporting tell us about freedom of the press in democracies and democratizing nations? Social scientists have



Climate Change Coverage in Newspapers 42

ARTICLE

Coverage of Climate Change in leading U.S. Spanish-language Newspapers

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Original Articles

Reciprocal (and reductionist?) Newswork

An examination of youth involvement in creating local participatory environmental news

DOI: 10.1080/17512786.2015.1111159

Robert E. Gutsche Jr.*, Susan Jacobson, Juliet Pinto & Charnele Michel



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LESSONS LEARNED

- BREAK DOWN SILOS! INTERDISCIPLINARY COLLABORATIONS NECESSARY FOR FUNDING
- KEEP GOOD WORKING RELATIONS WITH PARTNERS IN VARIOUS SECTORS
- STRIVE TO UNDERSTAND ROLE OF CULTURE IN COMMUNICATING ENVIRONMENTAL/SCIENTIFIC ISSUES
- INVOLVE STUDENTS ACROSS ACADEMIC UNITS
- SUPPORT FROM ACADEMIC UNITS UNIVERSITY-WIDE
- SHARE RESOURCES
- GET PAST ENVIRONMENT V. ECONOMY OR CLIMATE CHANGE “DEBATE”
- TELL HUMAN STORIES ACROSS MULTIPLE PLATFORMS
- ASK: HOW MUCH WILL PEOPLE PAY TO LIVE IN MIAMI-DADE?

The logo for Florida International University (FIU) features the letters 'FIU' in a bold, blue, sans-serif font with a yellow outline. A vertical yellow line is positioned to the right of the letters.

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THANK YOU!