Centers for Disease Control and Prevention
Agency for Toxic Substances and Diseases Registry

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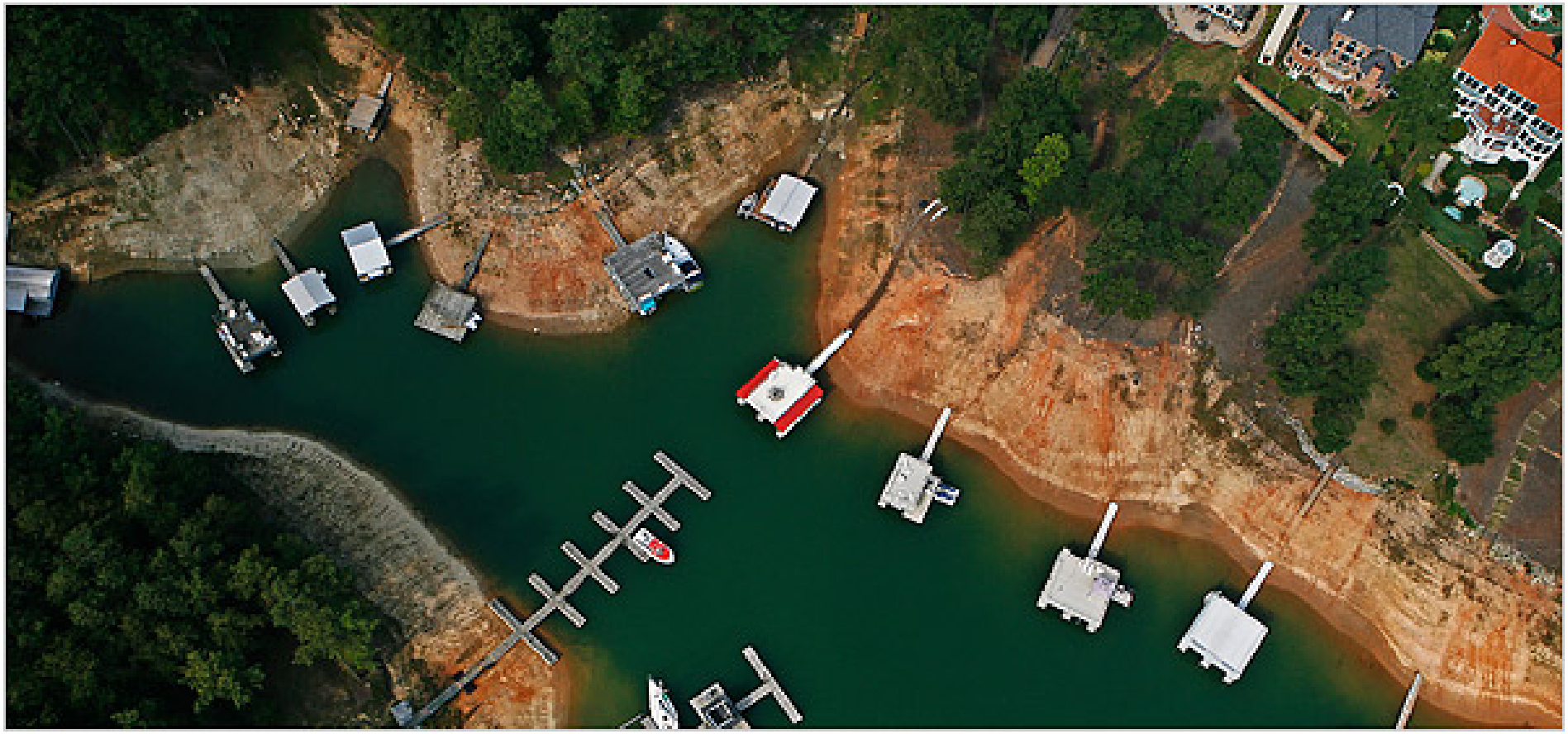
www.cdc.gov 1 800 CDC-INFO

The New York Times

By BRENDA GOODMAN
Published: October 16, 2007

Drought-Stricken South Facing Tough Choices



Pouya Dianat/The Atlanta Journal-Constitution

Climate Change: Potential Negative Health Impacts

Climate change:

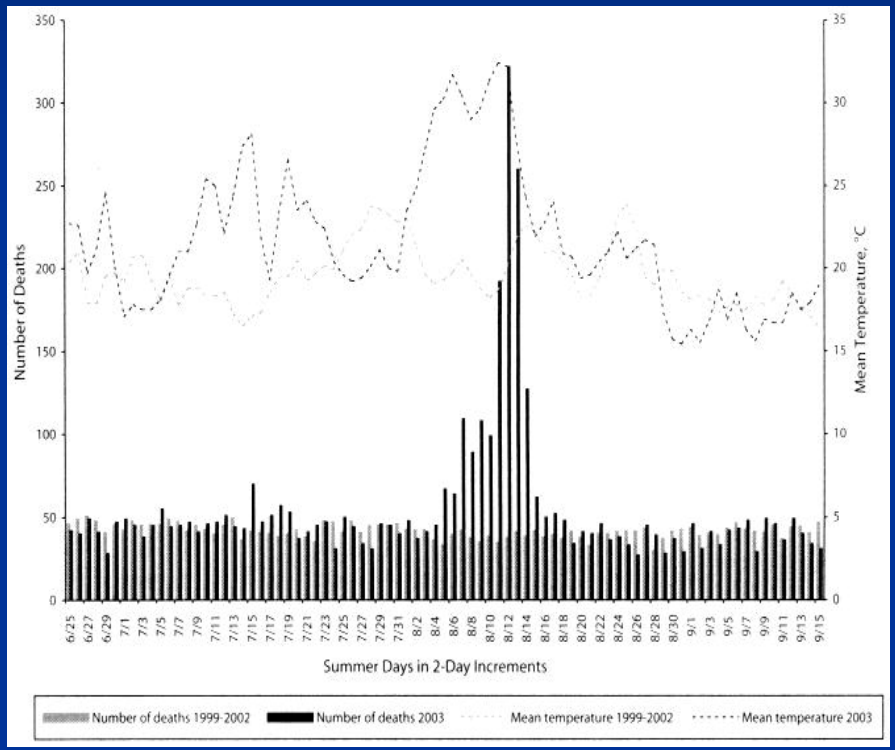
- **Temperature rise**
- **Sea level rise**
- **Hydrologic changes**

HEAT	Heat stress, cardiovascular failure
SEVERE WEATHER	Injuries, fatalities
AIR POLLUTION	Asthma, cardiovascular disease
ALLERGIES	Respiratory allergies, poison ivy
VECTOR-BORNE AND OTHER ZOONOTIC DISEASES	Malaria, dengue, hantavirus, Rift Valley fever
WATER-BORNE DISEASES	Cholera, cryptosporidiosis, campylobacter, leptospirosis, Vibriosis, Naegleria
WATER AND FOOD SUPPLY	Malnutrition, diarrhea, harmful algal blooms, hygiene-related diseases
MENTAL HEALTH	Anxiety, despair, depression, post-traumatic stress
ENVIRONMENTAL REFUGEES CIVIL CONFLICT	Morbidity, mortality and migration

Adapted from J. Patz

Health Impact of Extreme Weather
European Heat Wave, 2003

TIME LINE (FRANCE)



Vandentorren et al. Mortality in 13 French cities during the August 2003 heat wave. *Am J Public Health 2004; 94(9):1518-20.*

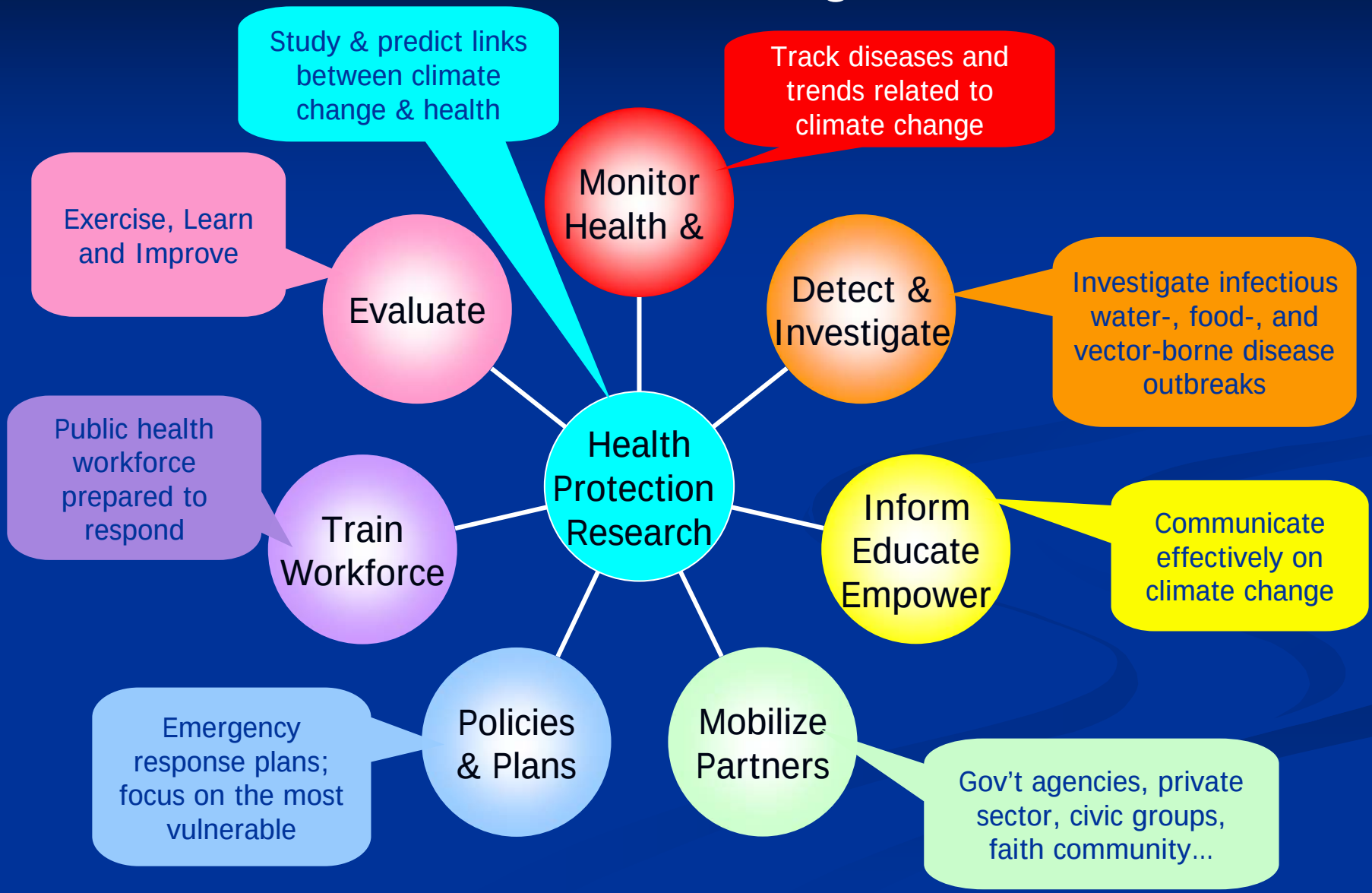
CONFIRMED MORTALITY

UK	2,091
Italy	3,134
France	14,802
Portugal	1,854
Spain	4,151
Switzerland	975
Netherlands	1,400-2,200
Germany	1,410
TOTAL	29,817-30,617

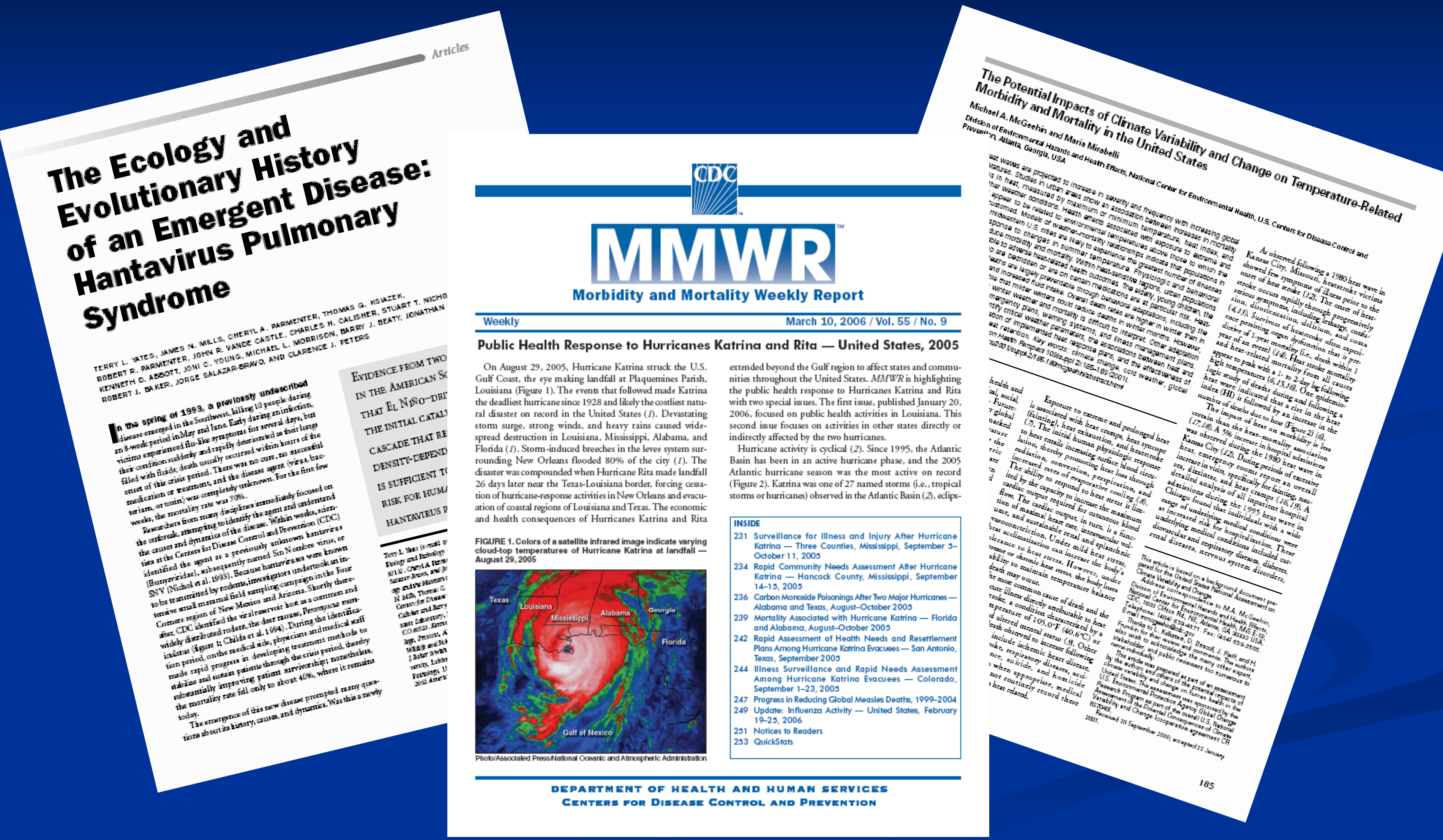
Haines et al. Climate change and human health: Impacts, vulnerability and public health. *Public Health* 2006;120:585-96.

CDC/ATSDR: Protecting Health

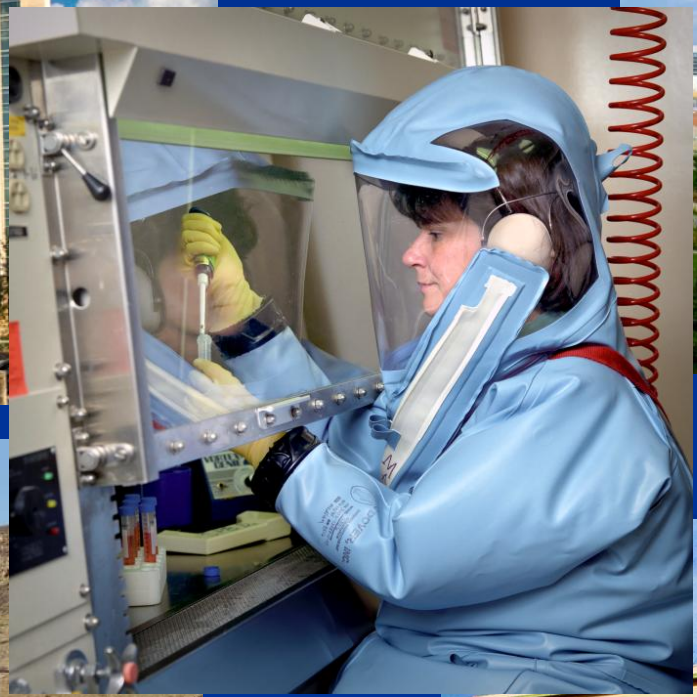
Climate Change



CDC's Health Protection Research



CDC's Health Protection Research



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