

NOAA Research Matters

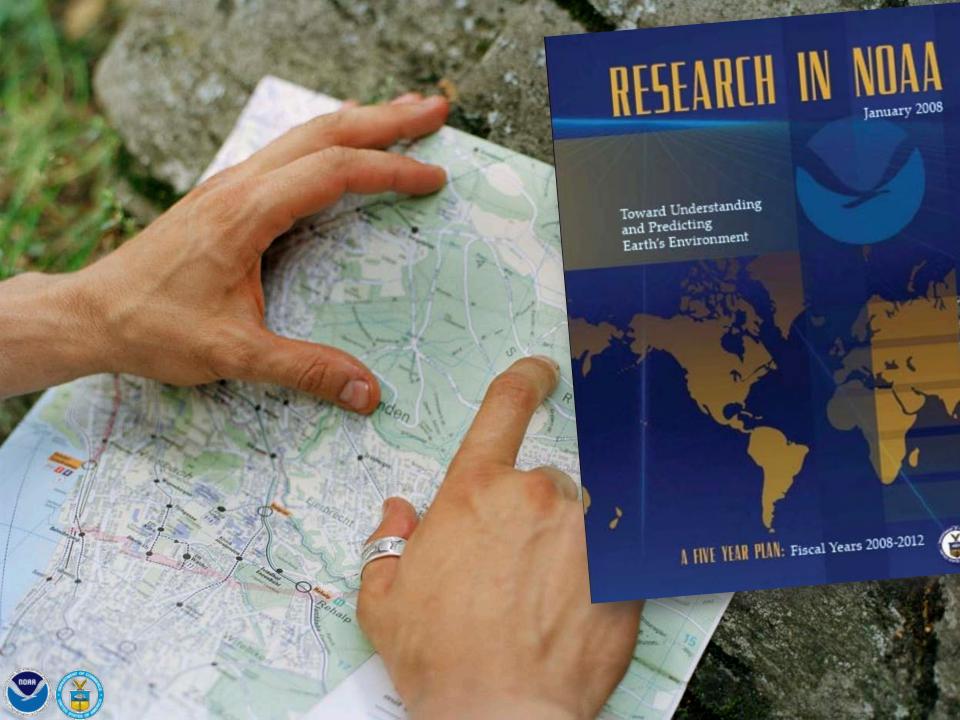
Richard Spinrad, Ph.D., CMarSci NOAA Assistant Administrator Office of Oceanic and Atmospheric Research

The proof is in the [eating of] the pudding.



Milk, sugar, and eggs.





OAR

core values

Preeminent research

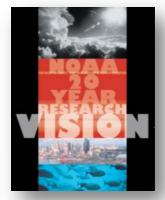
Value to society

Culture of transparency

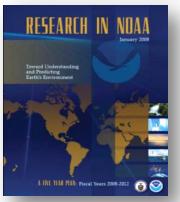


Laboratory Reviews









ffice of Oceanic and Atmospheric Research

Core values as goals

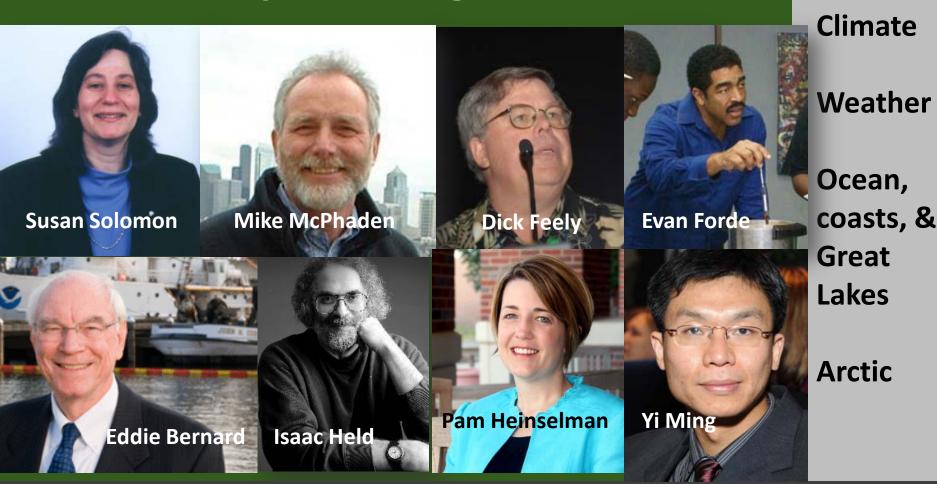




The proof is in the pudding.



Whom do you recognize?



Observations · Modeling · Forecasts · Projections · Assessments



Ocean acidification

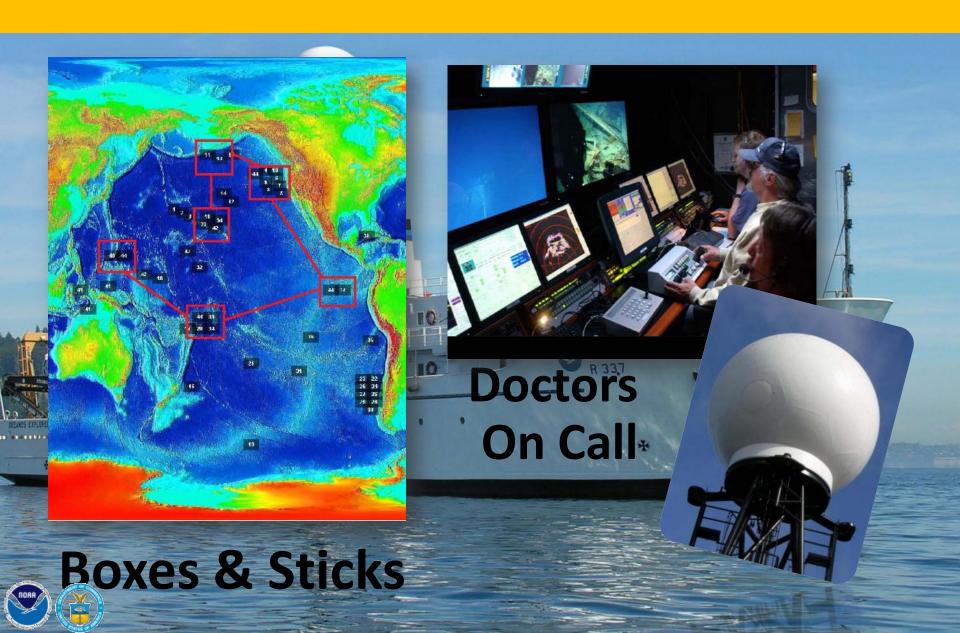


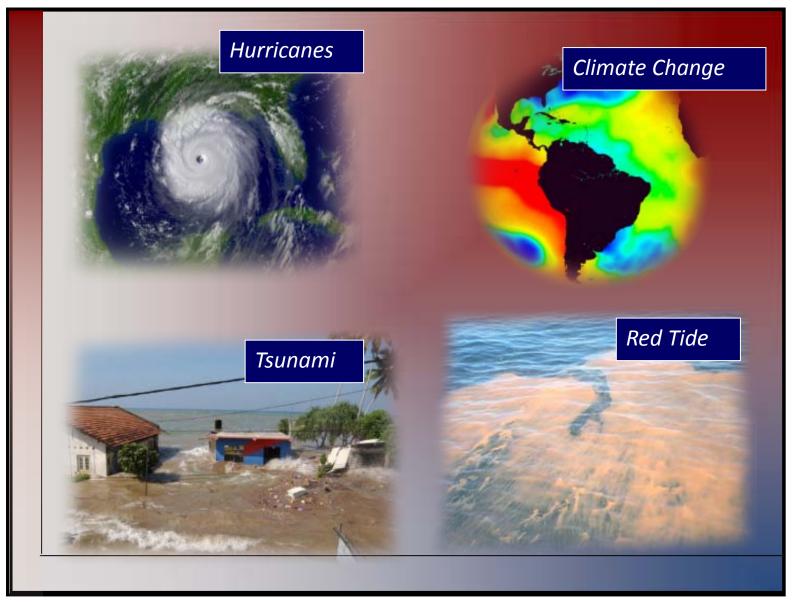
March 2010





Ocean exploration





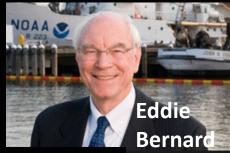
Low

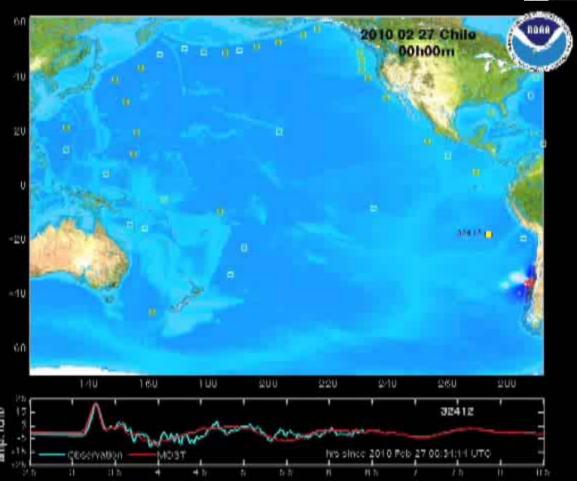
Uncertainty

High



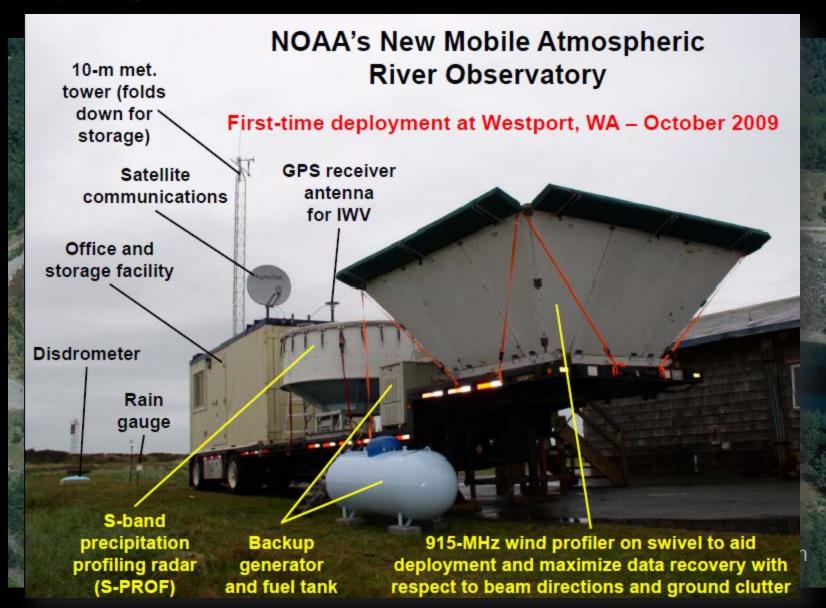
Buying down risk







Buying down risk



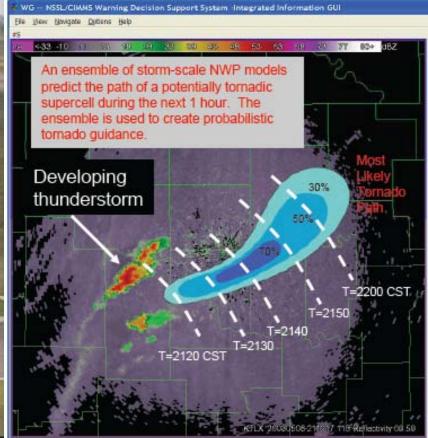


Buying Down Risk





Radar and Initial Forecast at 2100 CST





Models & Forecasts



Buying Down Risk



Hurricane **Forecast Improvement** Project

HFIP Goals

Reduce track error by 50% at all lead times

Reduce *intensity* error by 50% at all lead times

Increase the probability of detection and reduce the false alarm ratio of rapid intensification events

Extend lead time to 7 days





You also need cornstarch.



Engaging stakeholders



Hill briefings & testimony





International relations





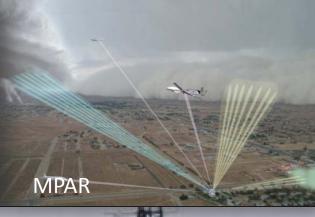
Science **Partnerships**

















Intra-agency · Interagency · Academic · Corporate · International

NOAA Line Office Retreats

Hazardous Weather

Testbed

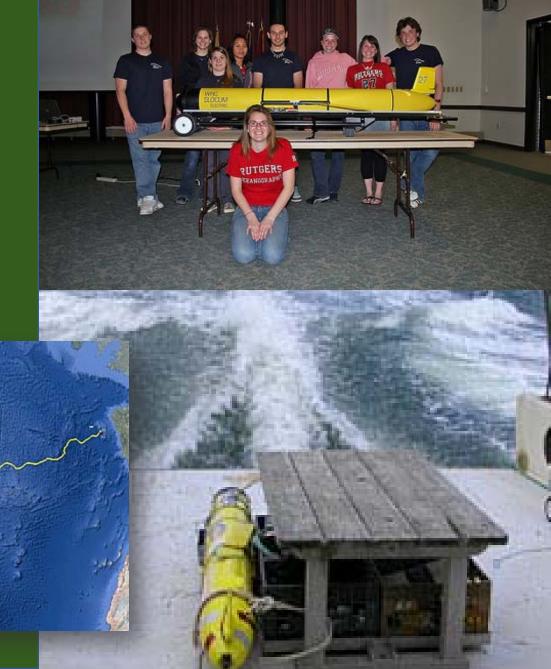
















Partnerships

Next generation preeminence • A more attentive public











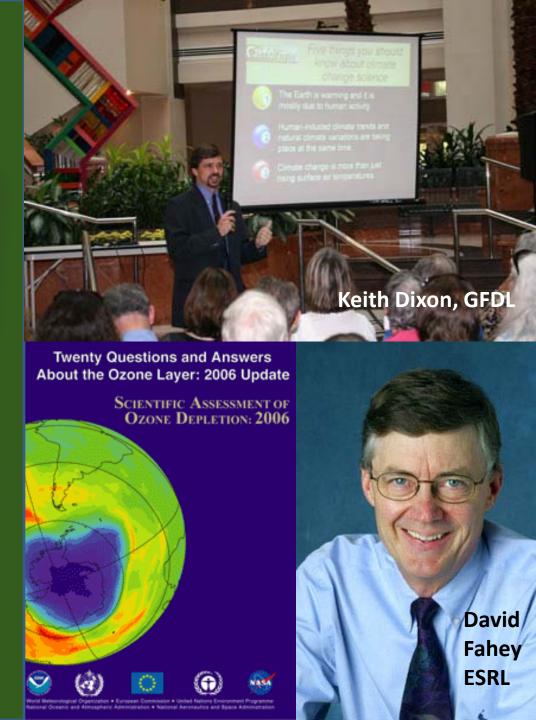






NOAA Cooperative Institutes · Museums · Academia

Valuing scientists as communicators







Who invented tiramisu?



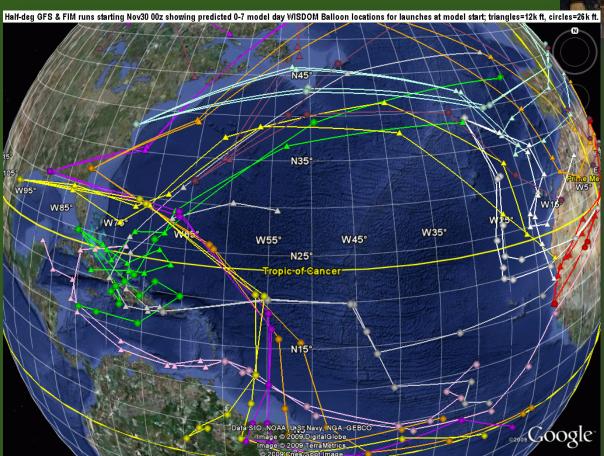
Wave Glider MApCO2 Airblock Wave Glider Aff Solar Panel MApCO2-Wave Glider Mast and EQ Well CTD and pH Sensors MApCO₂ Wave Glider Aff Waterproof Enclosure **FWD Solar Half-Panel** MApCO₂ Calibration Gas Bottles Wave Glider Surface Float **Wave Glider Electronics** MApCO2 EQ Ima of I MApCO₂ MApCO2 and pH Electronics Fwd Waterproof Enclosure

Novel platform Bio-geo-chemical payload



WISDOM







Bon appetit!





