# NOAA UPDATE To The MAFAC Meeting

### **RDML Tim Gallaudet, PhD, USN Ret.**

Assistant Secretary of Commerce for Oceans and Atmosphere and Acting Under Secretary of Commerce for Oceans and Atmosphere

November 28, 2017



### \* Personal Introduction

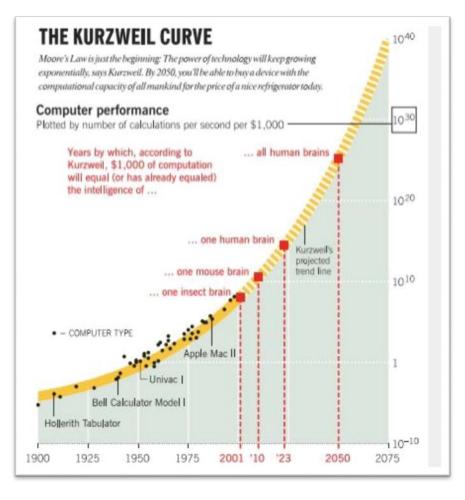
- \* Strategic Imperatives
  - \* NOAA Priorities 2017-2022
- \* Implications For NOAA Fisheries

### How I Got Here



## **Strategic Imperatives**

# **Exponential Technology Advancement**

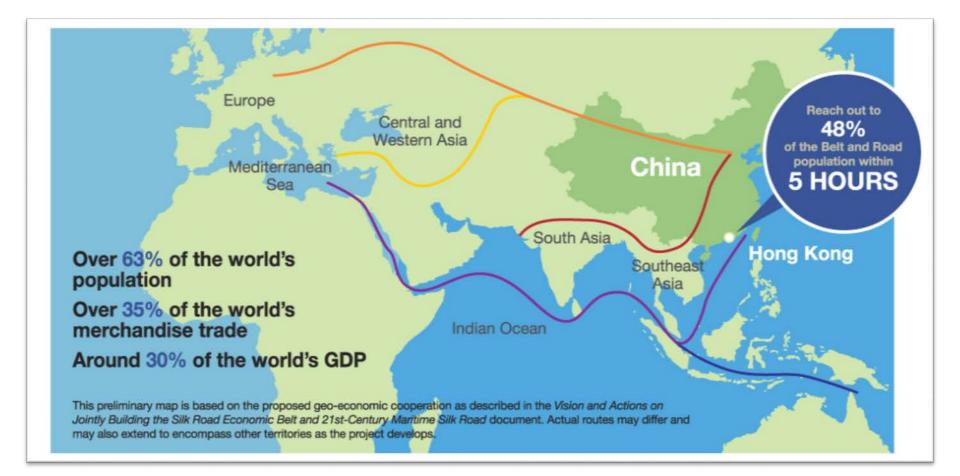


FROM THE BESTSELLING AUTHOR OF SAPIENS Yuval Noah Harari Homo Deus A Brief History of Tomorrow

### A Maritime Moore's Law

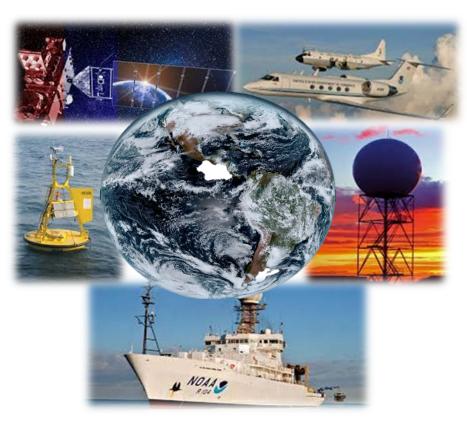


### **Return to Great Power Competition**



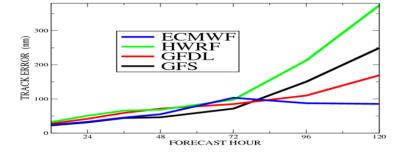
### NOAA Priorities 2017-2022

### #1. Lead the World in Earth System Observation & Prediction

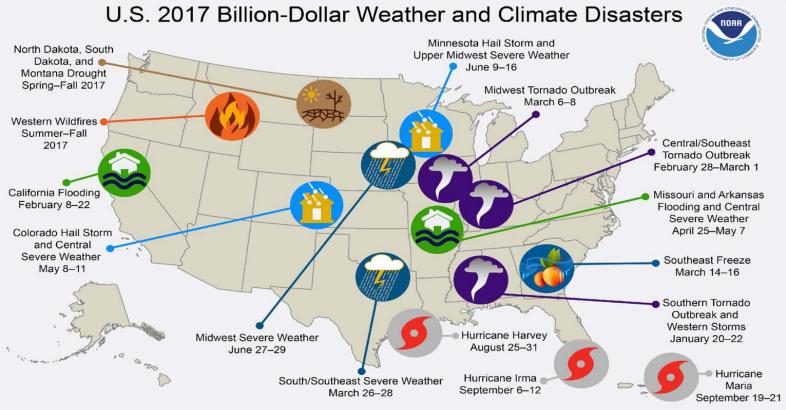




HURRICANE Sandy (Track error) Number of cases : (28, 26, 24, 22, 18, 14, 10)



### #2. Minimize Extreme Wx & Water Event Impacts



This map denotes the approximate location for each of the 15 billion-dollar weather and climate disasters that have impacted the United States January through September of 2017, a record pace.

### #3. Increase the Sustainable Economic Contributions of Our Fisheries and Oceans



### **Implications for NOAA Fisheries**

# We Are Succeeding

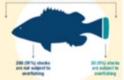


NGAR finders is pleased to present the 2016 disperts to Compress on the Statework of LS. Fainters is an escaped under the science-hand transcent of the Regression (States) finders Conservations of Management 64 (SMA). A faireault of the continue of MISAA Fainters, the scipt regiment fluctures management councils (morth), and other partners, hen previously contributed stacks serve related to enables of an Advance in the confidence of orthode lists meaning ment of the science in the confidence of the instates of the loss in the confidence orthode lists means that of the loss in the confidence of methode lists means the of the loss in the science in methode lists means that the loss in 2016, which is mailed in one sciencidated in conteneding data the loss being and operating of the instanders. Biffer of the science is major to exciteding are confidence on the science of whorks is they to require partners of the science of whorks is they to expering an attacked file in the science.

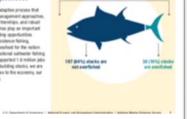
### Benefits of Sustainable Fisheries Management

Meaging fabrics instands is an objette prices for miss at sourd occurs. Levelow measurem approaches, affoche enforcement, meaning/a partentijes, and risuet palicit palicitatione. Distandate fabrieres prise importes tes in the radius's accurant ps provides goportunities. In connecuti, accurantes, pri occularizationes fabries, marie aquatuture, and subtandia schede far the relation. Comberg U.S. Schemen La and aquatries 1. Scheme Belle provided 2019 Stillers in scheme and agoing scheme are schemeging the scheme La and aquatries 1. Scheme Belle in 2015, prividing enforting and mobility scheme, are ariset priving the scheme of scheme Belle schemes, so communities, and drame schemes, so Status Listings: Overfishing & Overfished

### OVERFISHING: 316 stocks with known status:



OVERFISHED: 235 stocks with known status:





### About the Report

U.S. Fisheries Facts

· U.S. commential Salvarman landed \$18

Recedence argive box waty \$2

million fash. Efgentiane of which were

million tips and caught none Bue 371

Cubh Hafter, Alaska ant New
Belford, Massachusetts remain the log

communical Salving pures.

referenced.

lifter parts of collect start at \$1.3

Each par yEAAA Federatio complian locy fubricity interticular from the previous year into an amount complete forecommenting diffusion generations: We matter and the sport previols hadings totals for both dimensions previotion and and commonical diffusion by generation and allows to their kinetic stress interaction and a stational evolution completion and allows to the kinetic stress interaction and and and and and another the stress stress and an anti-active stress in a stress of the production with other biological, weakle, and economic factors of ecosystems and second handlin.

### Sustainable Fisheries, Jobs, and the Economy

Fahrins, whether for consenses or researches, play an energona role in the ULL strongs. In 2176, ULS consenses in this thirtees handle for hibbs protected or subset valued arXX.1016...August much search \$1 Auditon tractures recented on the histographic and handle XYT mullion this. Pub processes, inclosures, researching and process the and handle XYT mullion that the processes, inclosures, researching and experimental and arxies, and many other trainments benefit from bandley commental and arxies resultance thing.

### Healthy Stocks Mean Healthy Economies

Continuing to maintum high construction light keedings and values is good news for following, follow communities, and for the Americans whoe want nertainable, healthy US studied. We are suring that mapmodile management is helping as "tern the contor" towed more statutable and probable communicat theories.



Highlights from the Annual Report Fisheries Economics of the United States, 2015

NOAA FISHERIES Office of Science & Technology



### Fisheries and the Economy

U.S. fallerins provide pole, food and nonsotronal opportunities, and are a viral part of our cultural heritage. They are doe an accountic orgina that supports U.S. falling communities nationwolds

One of NDAA Mahrine's core mission is presenting unstandle debrase, including the summers with prior the constrainting the dependent of the research in the priority of the trajectory of the second technical constraints and the debrase is measured in the debrase incoments of the local Tailing of TBAN TRAS is summarized the despendent of the second technical constraints of the incommute in the debrase is measured in the debrase incoments in the debrase is measured in the despendent of the second technical constraint of the second technical context. The despendent of the second technical context is maintained and the second technical context is maintained in the second technical context. The despendent of the second technical context is maintained in the second technical context is maintained in the second technical context is maintained in the second technical context in the despendent of the second technical context is maintained in the second technical context is maintained in the second technical context is maintained in the second technical context in the despendent of the second technical context is maintained in the second technical context is maintained in the second technical context in the despendent of the second technical context is maintained in the second technical context in the despendent of the second technical context is maintained in the second technical context in the despendent of the second technical context is maintained in the second technical context in the despendent of technical context is maintained in the second technical context is maintained in technical context is maintained

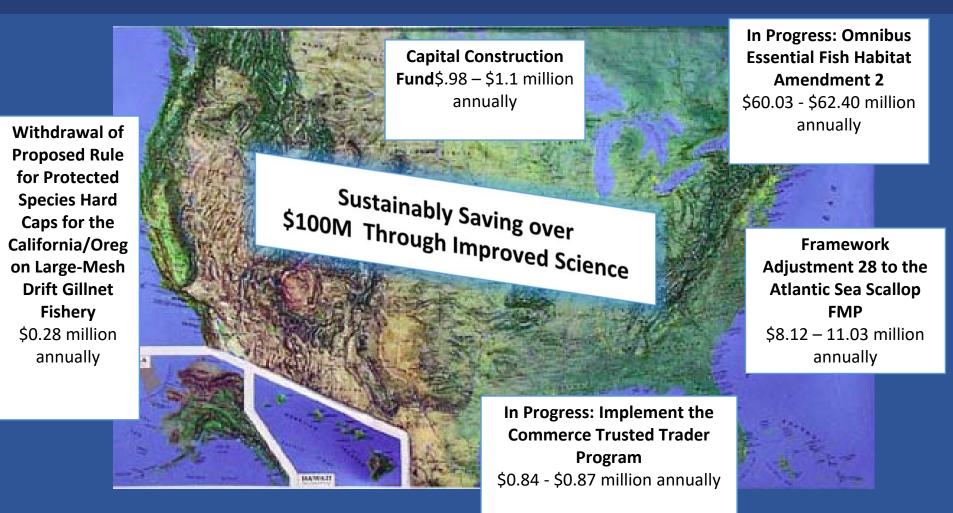
### A Look at the Nation

The FEUS 2013 report damo-solution the integral role followies play in our networky and the uncert of our fullewy management programs. In 2015, U.S. fallowies reported to a million jobs (a 1% increase from 2012) and contributed 8200 billion in takes (a 12% increase from 2012).

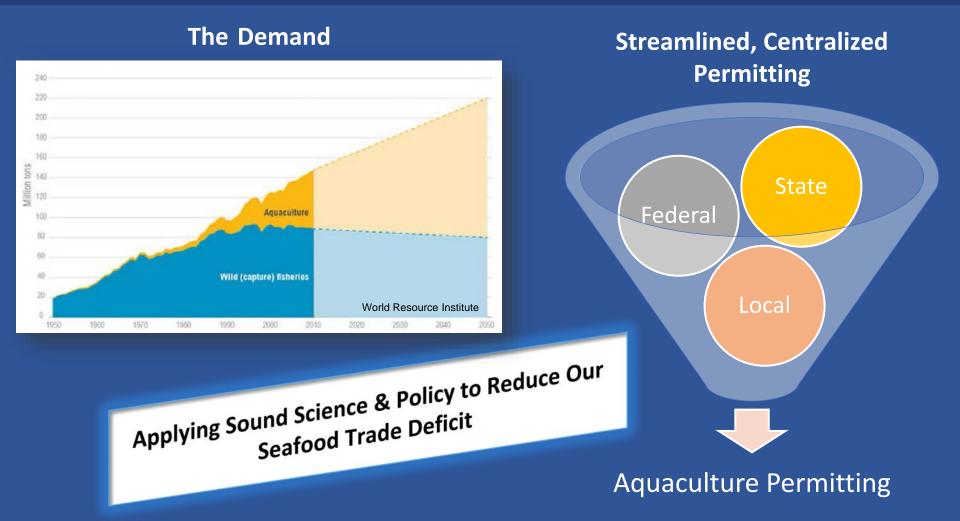


25 September & Contracts | National Doards and Atrospheric Administration | National Martin Parlament, Donisio

### **Deregulation & Increasing Flexibility**



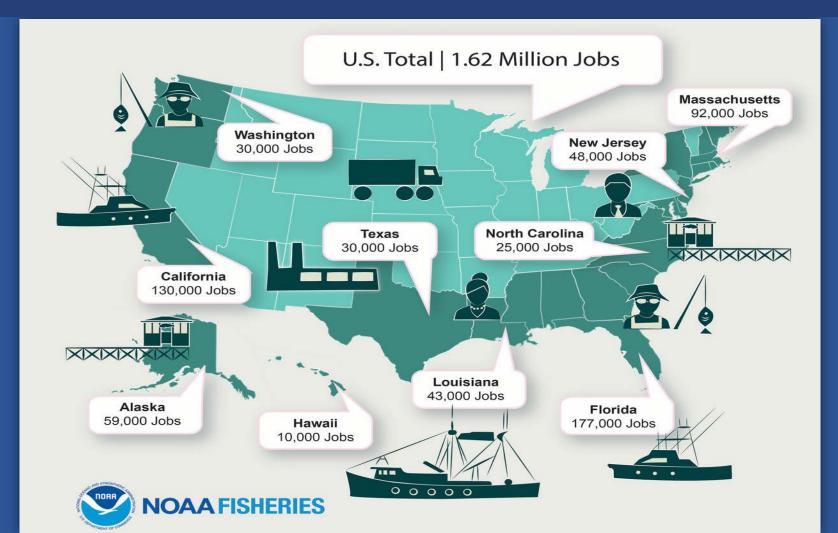
### **Towards A National Aquaculture Initiative**



# The Economic Contributions of U.S. Fisheries



### The Economic Contributions of U.S. Fisheries



# A National Marine Moonshot...



### Abundant Seas: Making the Most of America's Marine Resources

December 2016

The Marine Fisheries Advisory Committee (MAFAC) is pleased to welcome the new Administration. We have prepared the following report to share our thoughts and recommendations regarding priority initiatives for marine resources with the transition team and incoming leadership of the Department of Commerce and NOAA. We are looking forward to working with you.



# To Accelerate America's Blue Economy

# Thank you!

