

Panel: Integration of biodiversity in the fisheries

México, 3 december 2016



OBJECTIVE

- To share the advances of a biodiversity integration experience applied to fisheries and aquaculture

³ CENTRAL AMERICAN COUNTRIES

The essential objective of the Central American Integration System (SICA) is to achieve the integration of Central America to establish it as a Region of peace, freedom, democracy and development.

Mexico

Belize

Guatemala

Honduras

El Salvador

Nicaragua

Costa Rica

Panama

Dominican Republic

Tripod on the integration of Fisheries and Aquaculture

**Regional
Organization**

Common Policy

Governance



5



Central American Countries:

- a) Similar development level in industrial fisheries, artisanal fisheries and aquaculture
- c) Region has species with high commercial value
- d) Common species, migratory species.



Similar challenges

- Over-exploited resources
- Use of gear and fishing methods affecting marine biodiversity.
- Threats to the reduction, deterioration and fragmentation of aquatic habitat;
- The entry of exotic and invasive species.
- Pollution
- Climate change





OSPESCA



The Organization for the Fishing and Aquaculture Sector of Central American Isthmus.

OSPESCA IS INTEGRATED BY:

- **Ministers Council (Political level).**
- **Vice-ministers Committee.
(Executive level)**
- **Fisheries Directors Commission
(Scientific and technical level)**

Objective: To promote the development of sustainable fisheries and aquaculture in the region as part of the process of the Central American integration.

Integration civil society

- **Artisanal Fishermen**
- **Fish farmeres**
- **Industrial fishermen**
- **Universities**



Ecosystem approach

- Inter-institutional and inter-sectorial coordination mechanisms.



Fisheries and Aquaculture integration Policy



To establish a common regional system to increase the integrated participation of the Central American countries and in this way contributing to the appropriate and sustainable use of the fisheries and aquaculture products.

Policy values the high aquatic biodiversity of Central America and the world



New Regional Governance Model.

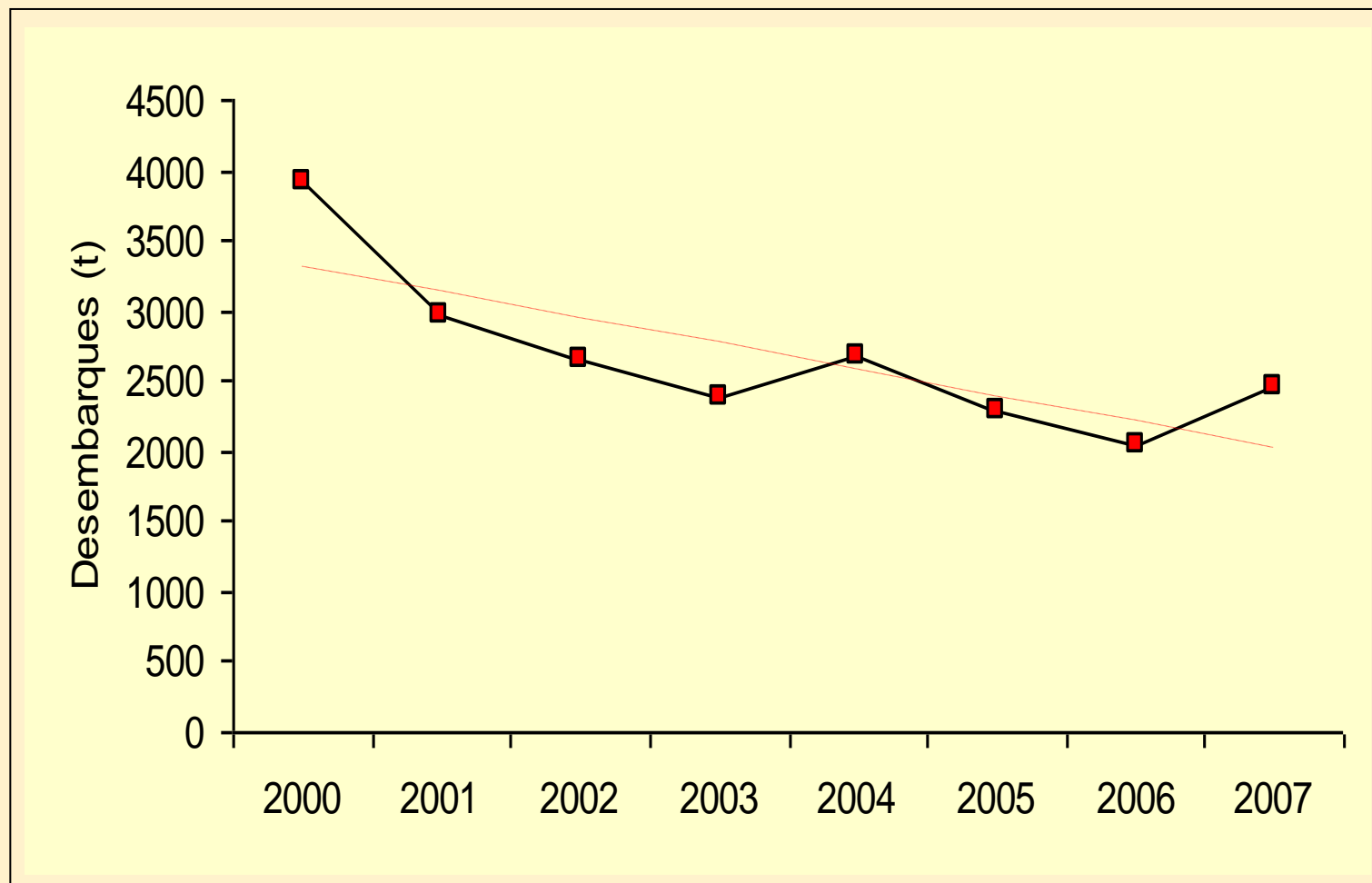


**Voluntary
Agreements**

**Binding
Agreements**

**"... The decisions of the Council of Ministers
shall be mandatory in all member States ... "**

Caribbean Lobster: Decend fishing volumes



Desembarques: Autoridades de pesca

Reglamento OSP-02-09
para el Ordenamiento
Regional de la Pesquería
de la Langosta del Caribe
(*Panulirus argus*)

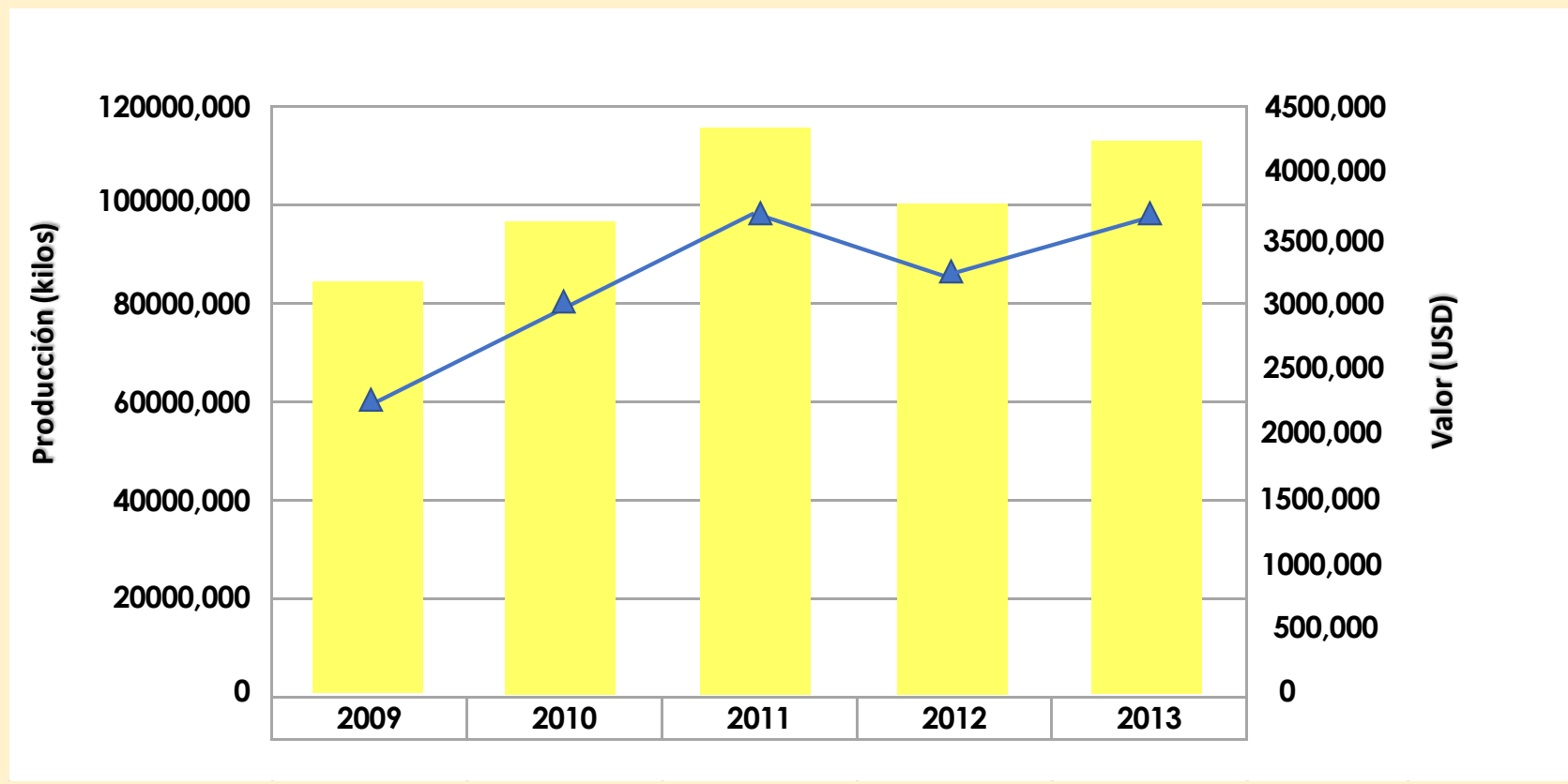


Simultaneous Close season (seven countries):

March 01 to June 30,
every year.



Fishing volumes are recovering



Fuente: NOAA

**Presidents of SICA countries
Instruct all regional agenda
consider the
sustainable development goals**



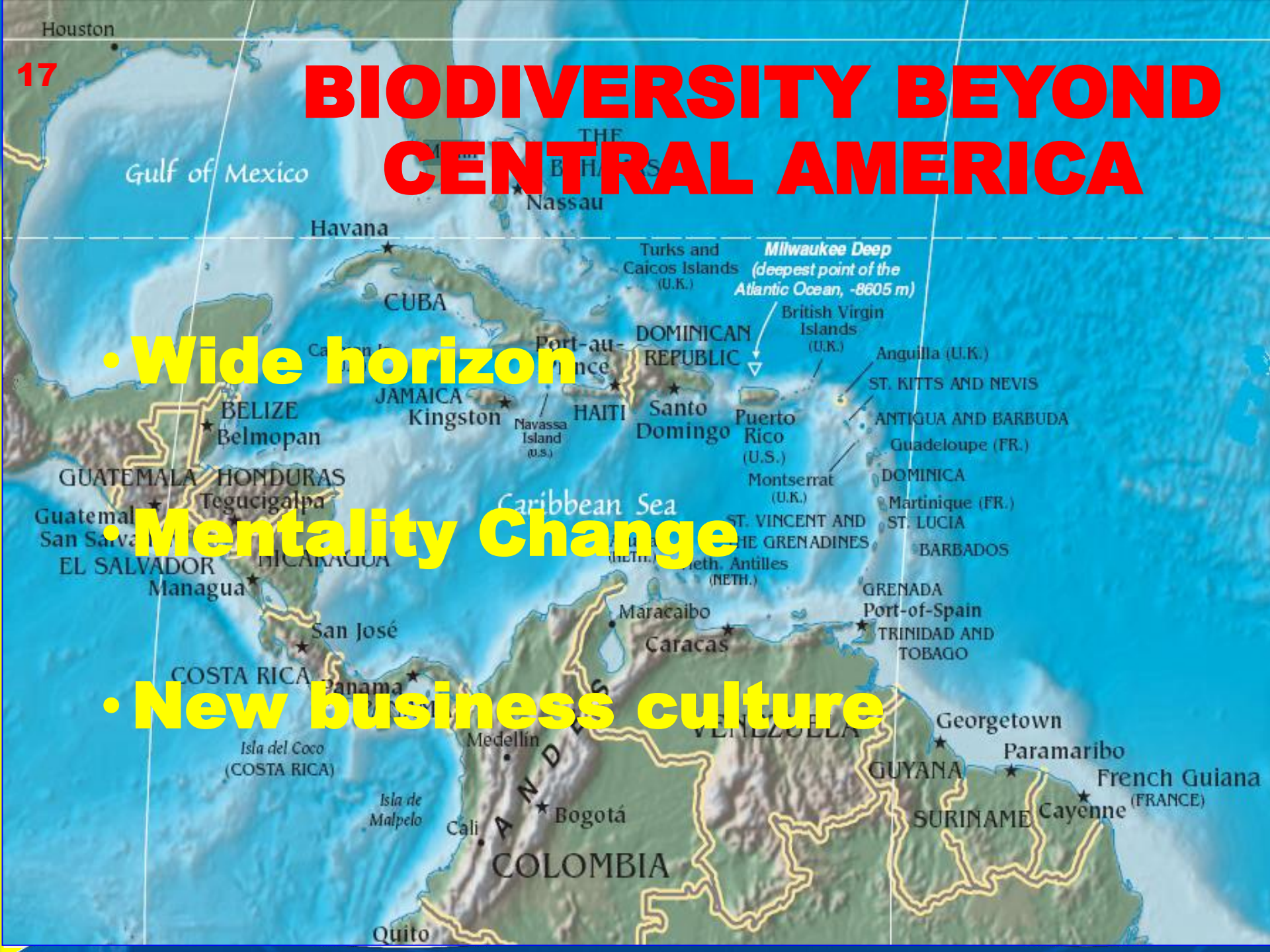
AGENDA 2030

BIODIVERSITY BEYOND CENTRAL AMERICA

- Wide horizon

- Mentality Change

- New business culture



NEW CHALLENGES

- Balance the binomial development (business) and conservation (biodiversity)
- The integration of biodiversity forces to review and resize the structure of fishing businesses
- New rol of key actors



INTERNATIONAL SPACES

- Creating intersectoral spaces at regional and international level
- More and better participation in international forums.
- Indissoluble links between marine and continental ecosystems



Regional fisheries management organizations

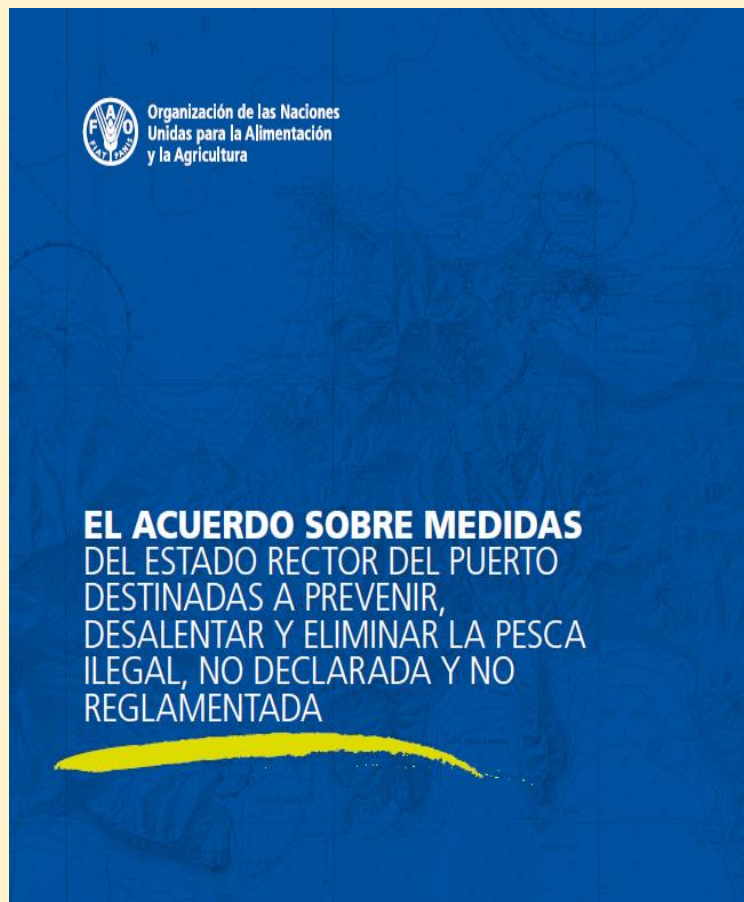


New IUU Regulations

- Steering Committee of OSPESCA promote a new regional Regulation on Illegal, unreported and unregulated (IUU) fishing .



Agreement Port State Measures



(OSPESCA – PEW)

PROJECT “PESCAPUERTOS”



**Identification of Capacity Requirements
for the Application of the Agreement
Port State Measures**

Climate change



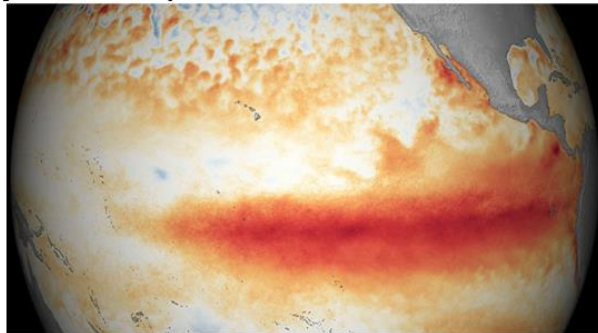
CLIMAPESCA Nota Informativa Año 3 N° 13 10/04/2016

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I. ENTREVISTA

USA¹

Seguimiento de El Niño y sus efectos sobre la vida en el océano. 30/03/2016



Satellite sea surface temperature during January, 2016. Colors show where average monthly sea surface temperature was above (red) or below (blue) its 1981-2010 average. Waters across the tropical Pacific Ocean were warmer than average during this month, suggesting that El Niño still had a grip on the basin. Photo: climate.gov/ElNiño. Data: Geo-Polar SST.

Imagen satelital de la temperatura superficial del mar, durante enero/2016. Los colores de la imagen presentan el promedio mensual de la temperatura superficial de mar...que estuvo arriba (rojo) o abajo (azul) del promedio del periodo 1981-2010. El agua a través del Océano Pacífico Tropical durante este mes (enero/2016) estuvo más cálida que el promedio del periodo indicado, lo que sugiere que El Niño aún mantenía su influencia.

NOAA Fisheries, mantiene programas de investigación relacionado al cambio climático y divulga los resultados no solo mediante reportes científicos, sino también a través de entrevistas como la que a continuación se describe

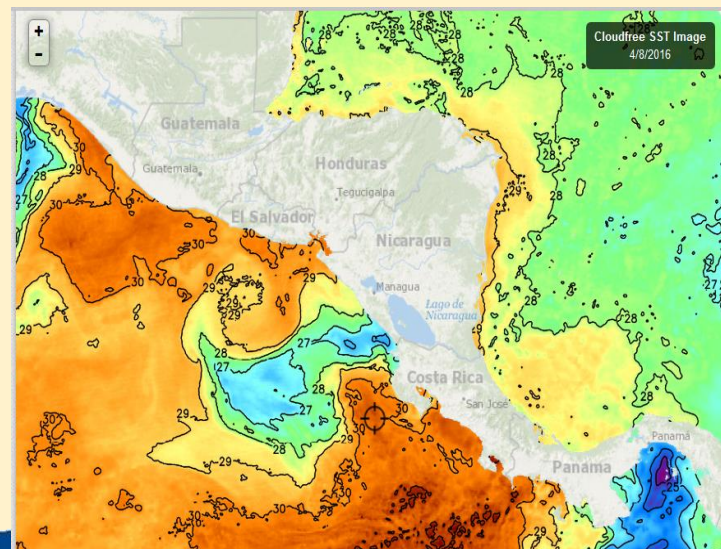
En este reportaje Cisco Werner director de la NOAA Southwest Fisheries Science Center en La Jolla, California, y John Stein es el Director del Northwest Fisheries Science Center in Seattle, **responderán al entrevistador Rich Press**, NOAA Fisheries (Marzo 30/2016).

Para los científicos de NOAA Fisheries, es muy importante que los pescadores estén enterados de lo que está ocurriendo en el mar y en las pesquerías donde ellos operan para que puedan prepararse. Consideran que los fenómenos del clima como El Niño no solo deben monitorearse a través de medios remotos sino que se debe ir al mar para examinar que está pasando con los organismos que ahí habitan. Por ejemplo describen como la langostilla que se encuentra en Centroamérica y México por influencia de El Niño ha llegado hasta Monterrey en California

El texto completo de la entrevista se incluye como anexo 1,

II. SITUACIÓN ACTUALIZADA AL 10/04 DE 2016

De acuerdo a la Fig. 1 (08/04/2016), la temperatura de las aguas superficiales de Guatemala, El Salvador, Costa Rica se mantiene en 30°C. Nicaragua 28-29°C y Panamá 26°C. De los afloramientos, Panamá alcanza 25°C. Papagayo-Domo Térmico y Tehuantepec 27°C. En el Caribe predominan las lecturas de 28°C





Fisheries Officials receive in Rome by the General Director of FAO, the Margarita Lizarraga Medal for promoting responsible fishing

The fishing and aquaculture business will be if the countries have a healthy, robust and durable biodiversity



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Gracias

