



"Impact of Climate change and variability in fishing and aquaculture in SICA's participating countries. Strategic measures".

FishAdapt

Global Conference on
Climate Change
Adaptation for
Fisheries and
Aquaculture

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Bangkok, Thailand



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BACKGROUND

EVENTS ABOUT CHANGE AND CLIMATE VARIABILITY MARCH 9th -12th, 2009

First event: Informal coordination meeting on Climate Change: impact, adaptation and mitigation in the fisheries and aquaculture. March 9th - 12th, 2009. Place : FAO Headquarters in Rome.

Goal: Provide an opportunity for the organizations and international agencies that lead initiatives that seek or studying the threats of climate change to the fisheries and aquaculture; to meet, discuss their work plans and programs and to agree on ways to improve coordination and cooperation, including other sectors, in order to maximize the effectiveness of their collective efforts and scarce resources.

SECOND EVENT: FORECAST FOR 2050; FUTURE SCENARIOS FOR THE FISHERIES AND AQUACULTURE SECTOR. MARCH 12TH, 2009. PLACE: FAO HEADQUARTERS IN ROME.

THE EVENTS ARE CONTINUOUS.

GOAL: THE MAIN OBJECTIVE OF THE WORKSHOP WAS TO DEVELOP AND INFORM THE PARTICIPANTS THE ADAPTATION PLANS THAT HAVE BEEN WORKED ABOUT THE CLIMATE CHANGE.

FAO directed at these meetings that put the issue of climate change on fisheries and aquaculture in the political levels

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- **ORGANIZATION FOR THE FISHING AND AQUACULTURE SECTOR OF THE CENTRAL AMERICAN ISTHMUS.**
- **AIM:** to define and launch policies, strategies, projects and programs that at regional level are required by the fishing and aquaculture sector within the frame of the Integration of Fisheries and Aquaculture Policy.
- **PARTICIPANT COUNTRIES:**

BELIZE	COSTA RICA
EL SALVADOR	GUATEMALA
HONDURAS	NICARAGUA
PANAMA	DOMINICAN REPUBLIC

GLOBAL CLIMATE RISK INDEX (Germanwatch)						
Country	2005	2006	2007	2008	2009	2010
Belize		45		92	9	
Costa Rica	101	33	128	30	28	111
El Salvador	104	34	123	112	91	1
Guatemala	108	1	102	52	34	53
Honduras		7	44	33	20	65
Nicaragua	53	21	120	3	24	57
Panamá	36	65	41	119	30	111
Dominican Republic	2	87	106	12	53	83
Source: Germanwatch						

Central America: Quantification of damages and losses from the Tropical Storm 12-E (USD)			
Country	Damages	Losses	Total
Costa Rica	57,938,532.95	25,988,762.84	83,927,295.79
El Salvador	569,442,664.90	333,019,392.43	902,462,057.13
Guatemala	81,899,491.09	251,226,463.10	333,125,954.19
Honduras	117,586,112.06	86,470,188.45	204,056,300.50
Nicaragua	315,701,326.33	129,761,742.19	445,463,068.52
TOTAL	1,142,568,127.33	826,466,549.01	1,969,034,676.34
Source: CEPAL	1,142.6 millones	826.5 millones	1,969.03 millones

- The countries of the Central American Integration System (SICA) have significant biodiversity in their oceans, fisheries and aquaculture resources, all of which are very vulnerable to the effects of climate change and variability. Losses in extreme events are counted in millions of dollars.
- Tropical Storm E12 = 6.5 million dollars of losses, in the aquaculture sector alone



INTEGRATION OF THE CLIMATE CHANGE AND VARIABILITY TOPIC IN THE AGENDA OF THE FISHERIES AND AQUACULTURE POLITICAL LEVELS

- 1) Participation of OSPESCA in the PaCFA
- 2) Field study with fishermen and fish farmers of the effects of climate change and climate variability in their daily work.
- 3) Integration of the topic on the agendas of the responsible institutions for fisheries and aquaculture in the region of SICA (Central America and Dominican Republic)

Integration of the climate change and variability topic in the agenda of the fisheries and aquaculture political levels

- Coordinated work with other instances of the Central American Integration System (SICA) to develop joint actions.
- Raise of the topic to levels of the Ministers responsible for fisheries and aquaculture and the Presidents of the Central American Republics and the integration was formalized in the document titled: "FISHERIES AND AQUACULTURE INTEGRATION POLICY 2015-2025".



Fisheries and Aquaculture Integration Policy 2015-2025.

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STRATEGIC AREAS

- Institutional and organizational strengthening
 - ✓ Among others " it stimulates mechanisms of coordination with regional and international entities that for its nature of competition can or must attend fishing and the aquaculture, such is the case of the climate change and variability."
- Regional Governance
- Management of fisheries and aquaculture
- **Climate change in the fisheries and aquaculture**
- Sustainable fisheries and aquaculture.
- Aquatic and Fishing safety
- Intra and extra regional trade .
- Fisheries and aquaculture with tourism.
- International relations.

ACTION PLAN FOR CLIMATICALLY-SMART FISHERIES AND AQUACULTURE.

- The Regular Meeting of Ministers of the Central American Agricultural Council (CAC), held on 20 August 2015 in San Salvador, was agreed: *“Actions of medium and long term with a sense of adaptation to climate change should be translated into a Regional Plan of Action to consider the climatically-smart agriculture (including agriculture, fisheries, aquaculture, livestock, forestry).”*

INTEGRATION OF THE CLIMATE CHANGE AND VARIABILITY TOPIC IN THE ACTIVITIES OF FISHERS AND FISH FARMERS

- Formation of a Regional Working Group of climate variability and change.
- Talks with producers of fisheries and aquaculture in the countries of SICA about these topics.
- Creation of a response baseline against climate.
- Strengthening of the mass media

CLIMAPESCA

- Within that framework “Fisheries and Aquaculture Integration Policy 2015-2025, Regional Plan for Climate-smart Fisheries and Aquaculture” is formulated; collaboration with other agencies related to climate analysis and forecast application in the fisheries and the aquaculture sectors is carried out and a weekly newsletter "CLIMAPESCA" is published.

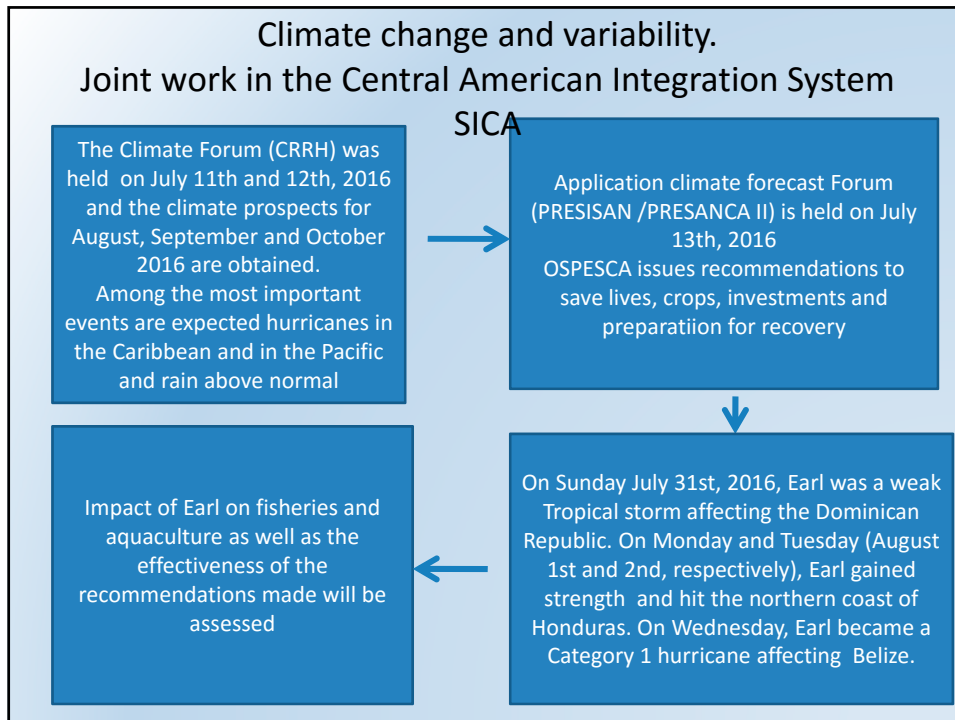


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Nota Informativa Año 3 N° 29
07/08/2016

SECCIONES	CONTENIDO	
I	EDICIÓN ESPECIAL	
	Seguimiento a la tormenta tropical Earl	1
II	Situación de Temperatura Superficial del Mar (SST), Clorofila, actualizada	5
III	Impactos sobre la Pesca y la Acuicultura	
	Informe de las actividades pesqueras durante la tormenta tropical Earl.....	7

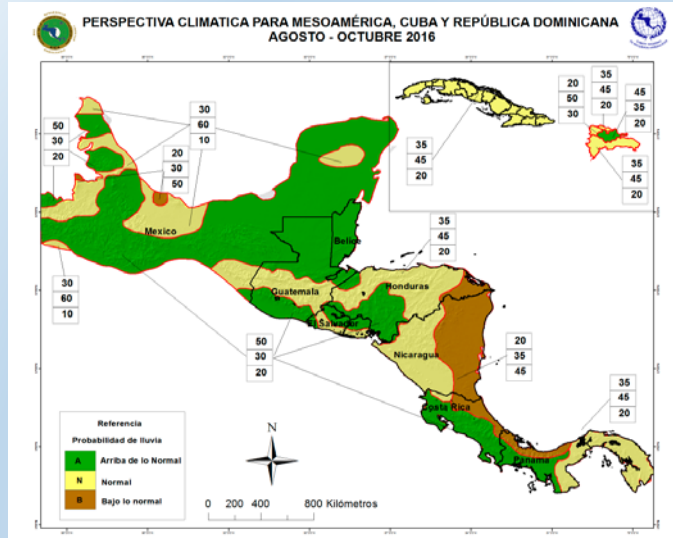
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SECTIONS	CONTENT	PAGE
I	SPECIAL EDITION Summary monitor Tropical Storm Earl	1
II	Updated Sea surface temperature (SST), Chlorophyll. Wind,	5
III	IMPACTS ON FISHERIES AND AQUACULTURE By data-collection locality	7



PARTNERS IN THE CLIMAPESCA

- Regional Committee on Hydraulic Resources (CRRH).



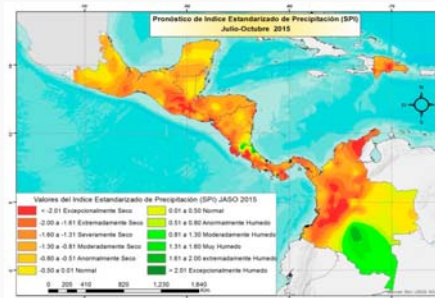
Central America Climate Outlook Forum

— AFCF —

Applications Forum Climate Forecasts Food Security and Nutrition



RAIN



DROUGHT



AFCF | Contributions to Sector FISHING



- Transmission of real-time results
- Simultaneous regional and sectorial participation in virtual forum
- Institutional analysis in the region of SICA
- Sectoral emission bulletins made periodically
- Virtual communication tool



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Programa Regional de Cambio Climático de USAID

13 de Julio de 2016

