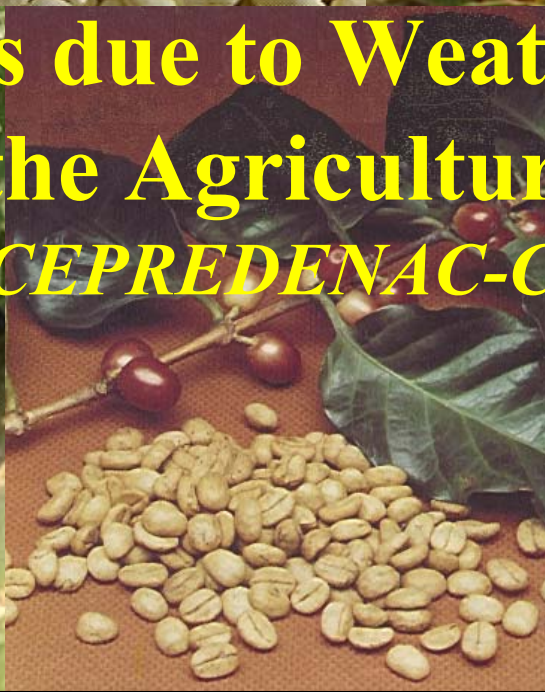


SEMINAR WORKSHOP

“EXPERIENCES IN THE MANAGEMENT OF DISASTER RISK PREVENTION AND MITIGATION, FROM NATIONAL TO REGIONAL LEVELS



**GUATEMALA CITY, GUATEMALA.
NOVEMBER 14-15, 2001.**



Project: Improvement of Technical Capacity to Mitigate Consequences of Future Events due to Weather Variations (El Niño). In the Agricultural Sector (IDB-CRRH-CEPREDENAC-CORECA)

The background of the slide is a collage of four agricultural images. The top-left image shows several baskets filled with green beans and white beans. The top-right image shows a field of tall sunflowers with large, dark heads. The bottom-left image shows a close-up of green coffee leaves and branches with small red coffee cherries. The bottom-right image shows a vast field of green rice plants.

**General Objective:
Carry out Country Studies (6) to make a
proposal for an early warning system
(EWS) to help the region in the reduction
of recurrent risks, in the medium and
long term, due to disasters associated to
weather variations. (Mainly El Niño
phenomenom in the agricultural sector).**

The background of the slide is a collage of various agricultural products. In the top left, there are baskets of yellow beans and green beans. In the top right, there are stalks of corn with their husks partially removed. In the bottom left, there are green coffee leaves. In the bottom center, there are coffee beans on a wooden surface. In the bottom right, there is a field of green rice. The text is overlaid on this collage.

Specific Objectives:

1. Improve the technical capacity of national and local institutions responsible for disaster preparedness and mitigation, to reduce economic and social damages and losses suffered by the agricultural sector specially due to phenomena related to weather variations (El Niño).



Specific Objectives:

2. Integrate national institutions (SNMH, NEC and the Agricultural Sector) in a regional network to share: technical information, lessons and experinces learned on impacts caused by El Niño, including good practices to prevent, mitigate and /or adapt to the efects caused by this phenomom.



Specific Objectives:

3. Invest in preparedness measures to reduce risks, effects and impacts in the agricultural sector affected periodically by El Niño. throughout the region



A collage of agricultural products. The top left shows bowls of yellow and white beans and green beans. The top right shows tall stalks of corn. The bottom left shows green coffee leaves. The bottom center shows coffee beans and cherries. The bottom right shows a field of green corn.

Participating Countries:

✓ Guatemala.

✓ Honduras.

✓ El Salvador.

✓ Nicaragua.

✓ Costa Rica.

✓ Panama.

A collage of agricultural products. The top left shows bowls of yellow and white beans. The top right shows tall stalks of grain. The bottom left shows coffee leaves and beans. The bottom right shows a field of green rice.

Participating Institutions by Country:

Guatemala:

✓ **CONRED, INSIVUMEH, MAGA.**

Honduras:

✓ **COPECO, SMN, SERNA-DGRH, SAG-DICTA.**

El Salvador:

✓ **MAG-DGEA, MARN-SHMN.**



Participating Institutions by Country:

Nicaragua:

✓ **CNC, INETER-DGM-DGH, MAG-FOR.**

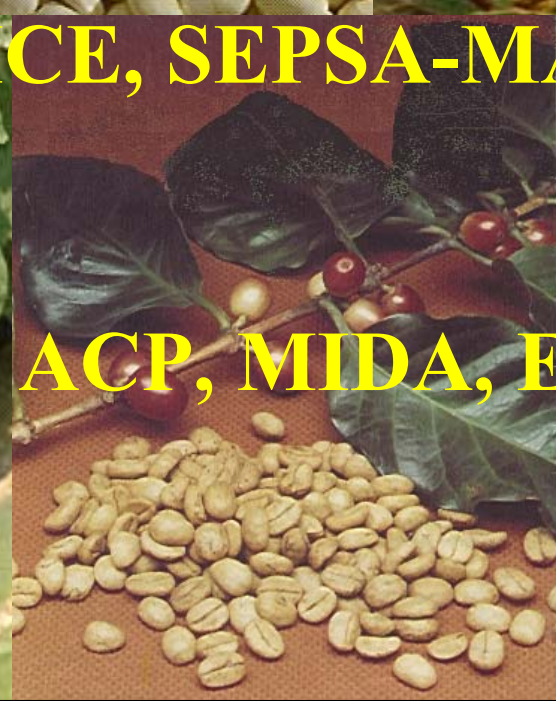
Costa Rica:

✓ **CNE, IMN, ICE, SEPSA-MAG.**



Panama:

✓ **SINAPROC, ACP, MIDA, ETESA.**





EXPECTED OUTCOMES





✓ Written report of the case study of each country.

✓ A EWS proposal.



✓ Scenarios to identify potential impact areas as a result of El Niño in the agricultural sector.



✓ Database with information on El Niño.





REPORTS ON COUNTRY STUDIES

✓ **BIBLIOGRAPHY REVIEW**

✓ **BACKGROUND**

✓ **METHODOLOGY**

✓ **RESULTS**

✓ **RECOMMENDATIONS**

✓ **EWS PROPOSAL**

✓ **ANNEX**

The background of the slide is a collage of agricultural images. The top left shows a wooden bowl filled with yellow beans and green beans. The top right shows a field of rice with tall, golden-brown panicles. The bottom left shows a close-up of green coffee leaves. The bottom center shows a pile of light brown coffee beans on a dark surface, with a branch of coffee cherries nearby. The bottom right shows a field of green rice plants.

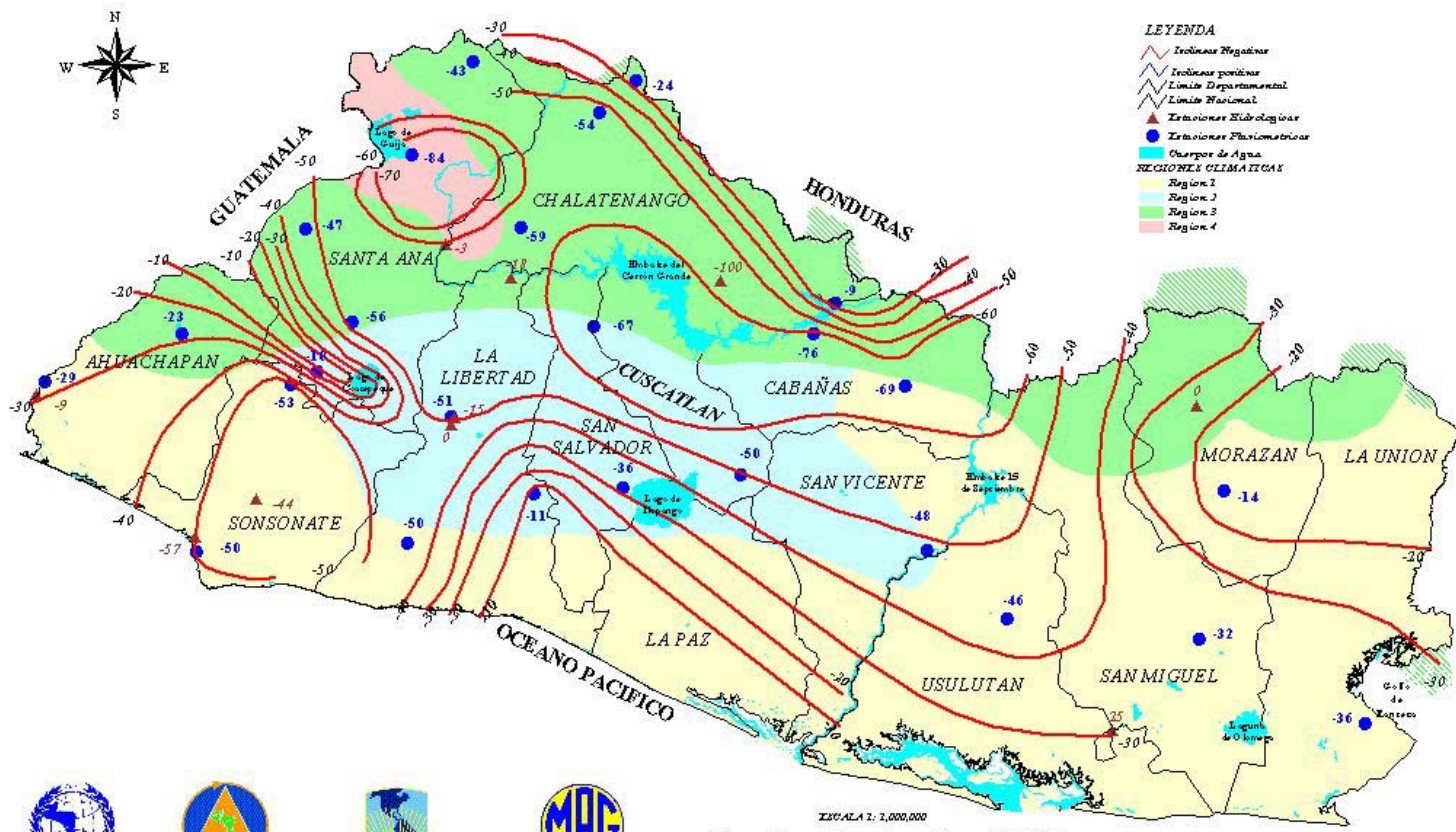
EARLY WARNING SYSTEM PROPOSAL FOR ENOS

An Early Warning System, is a set of adequately coordinated instances, mechanisms, procedures and actions to reduce the impacts produced by natural phenomena such as El Niño (ENOS)..

SCENARIOS

ANOMALIAS DE LA LLUVIA EN ABRIL 1998

PROYECTO: MEJORAMIENTO DE LA CAPACIDAD TECNICA PARA MITIGAR LOS EFECTOS DE FUTUROS EVENTOS DE LA VARIABILIDAD CLIMATICA (EL NIÑO)
 CE PREDENAC-CRRH- DGRNR-DGEA



CRRH



CEPREDENAC



BID



MAG

DIRECCION GENERAL DE EDUCACION AGRICOLA
 DIVISION DE INFORMACION CIOGRAFICA
 OCTUBRE 2002

Fuente: Proyecto mejoramiento de la capacidad técnica para mitigar los efectos de futuros eventos de la vulnerabilidad climática (El Niño).

DATABASE BANK

REGIONS	LOSSES (COLONES)	LOSSES (DOLLARS)*
Central	2.443.606.584	10.234.144,09
Central Pacific	1.141.429.190	4.780.454,79
Chorotega	2.073.193.700	8.682.803,47
Brunca	819.332.000	3.431.469,62
Huetar Atlantic	366.000.000	1.532.855,89
Huetar North	2.366.871.940	9.912.769,36
Fishing Sector	858.300.000	3.594.672,70
TOTAL	10.068.733.414	42.169.172,90

*El cálculo se realizó con un promedio del tipo de cambio del período en estudio (1US\$= 238,77).