

"Second Thematic UN Special Session on Water and Disasters"

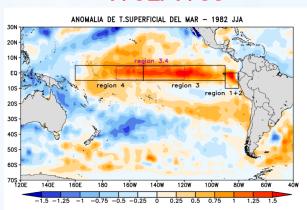
RISK SCENARIO OF EXCESS (FLOODING) AND DEFICITS (DROUGHT) BY EL NIÑO 2015-2016

Ing: ENA JAIMES ESPINOZA

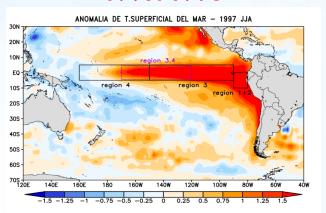


EXTRAORDINARY EVENTS OF EL NIÑO

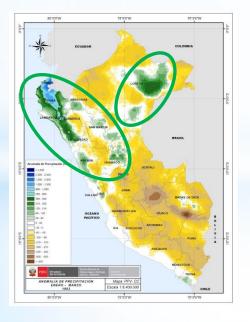


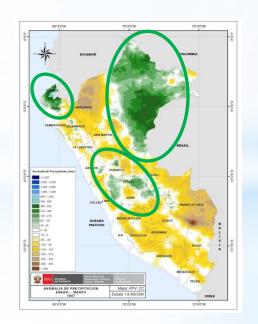


1997/1998



NOAA





SENAMHI

RISK SCENARIO BY HEAVY RAIN IN THE EVENT OF EL NIÑO WITH SIMILAR CHARACTERISTICS OF THE EVENTS OF 1983 AND 1998

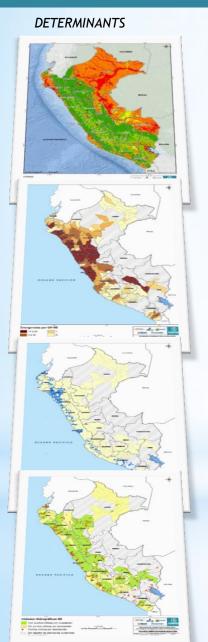


SUSCEPTIBILITY MAP FLOODING. INGEMMET

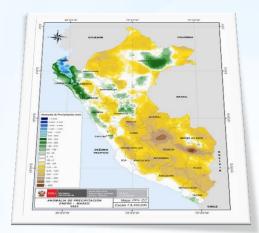
EMERGENCY BECAUSE OF RAINFALL JANUARY TO MARCH 1998. INDECI

GEOLOGICAL HAZARDS IN EVENTS OF "EL NIÑO" INGEMMET

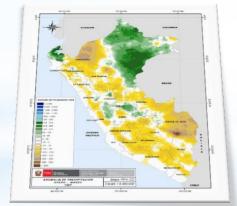
> CRITICAL SPOTS WHEN FLOODING OCCURS ANA



TRIGGERS

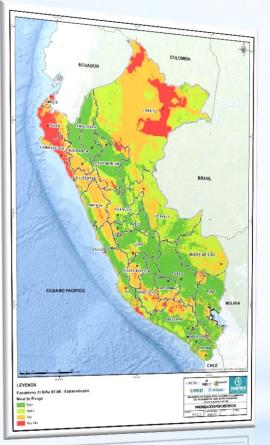


AREAS WITH RAINFALL EXCESS E-M 1983



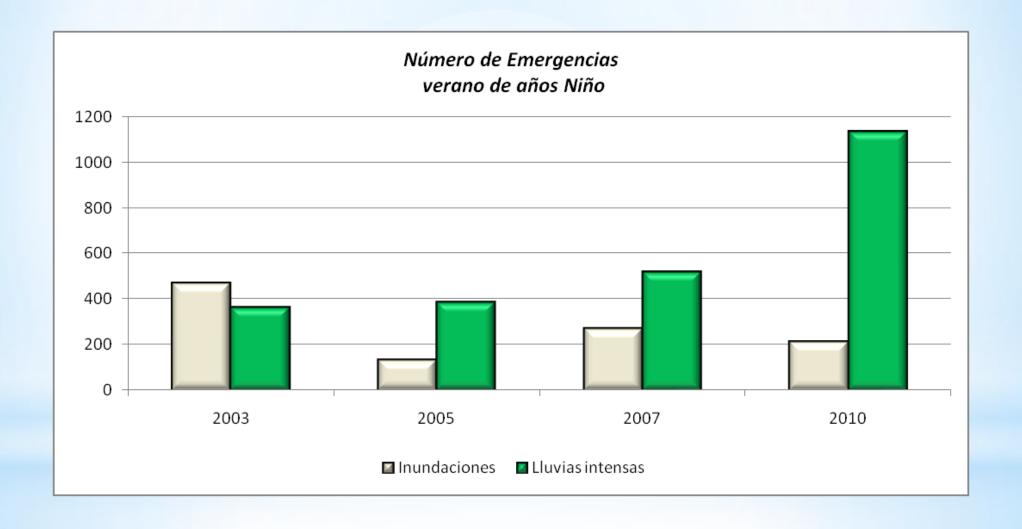
AREAS WITH RAINFALL EXCESS E-M 1998

SENAMHI









Fuente: INDECI

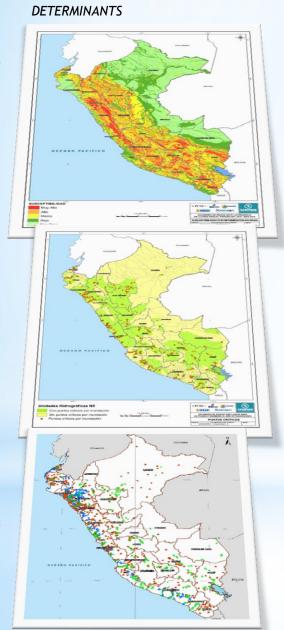
RISK SCENARIO BY HEAVY RAIN, ACCORDING TO THE BEHAVIOR OF THE LAST 15 YEARS

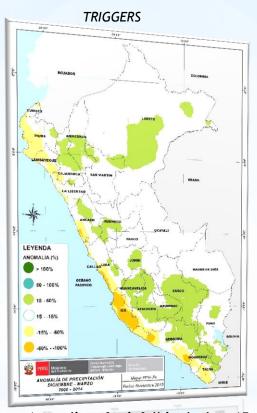


SUSCEPTIBILITY MAP REMOVAL OF MASS INGEMMET

CRITICAL SPOTS WHEN FLOODING OCCURS ANA

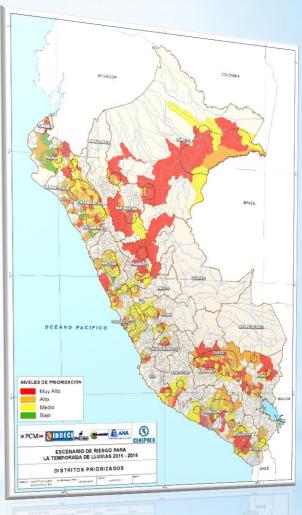
HISTORICAL RECORD OF DAMAGES INGEMMET, ANA





Anomalies of rainfall in the last 15 years

SENAMHI



Risk map on heavy rain

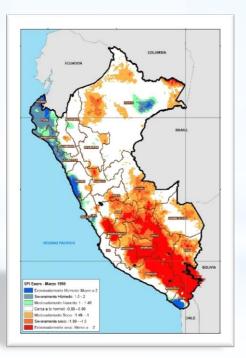
Now now note that the time the time the time the time time time time time time.



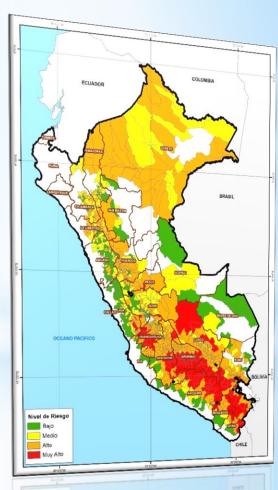
EQUIPO MULTIDISCIPLINARIO: ENTIDADES ESPECIALIZADAS Y TÉCNICAS

DETERMINANTS INDICADORES SOCIOECONÓMICOS HISTORICAL RECORD OF **DAMAGES** INGEMMET, ANA, AGRICULTURA (SENASA, DIA, AGRORURAL) WEATHER INFORMATION SENAMHI

TRIGGERS



COMPOSIT SENAMHI



Risk map by drought during El Niño



IDENTIFICATION OF PRIORITY AREAS FOR THE INTERVENTION OF THE NATIONAL SECTORS

NIVEL DE RIESGO	N° CUENCAS	ELEMENTOS EXPUESTOS					
		POBLACION EXPUESTA	VIVIENDAS EXPUESTAS	ESTABLECIMIENTOS DE SALUD	CENTROS EDUCATIVOS	AEROPUERTOS, AERÓDROMO Y HELIPUERTO	PUERTOS
Muy Alto	14	1,424,392	459,207	2,382	511	22	27
Alto	59	13,935,759	5,994,815	39,115	3,718	12	38
Medio	39	3,293,680	965,563	4,300	1,287	3	1
Bajo	243	6,030,708	1,835,100	5,650	3,130	13	14
Total general	355	24,684,539	9,254,685	51,447	8,646	50	80

IDENTIFICACIÓN DE ÁMBITOS PRIORIZADOS PARA LA INTERVENCION DE LOS SECTORES NACIONALES

Nivel de Riesgo	Cantidad de Distritos Expuestos	Población Expuesta				
Muy Alto	187	777740				
Alto	550	4511774				
Medio	294	2258741				
Вајо	252	2244539				
Total	1283	9792794				





RESULT: DEVELOPMENT OF TECHNICAL INSTRUMENTS

PLAN TO REDUCE RISK:

Central Government (Ministries)
Regional Governments
Local Governments

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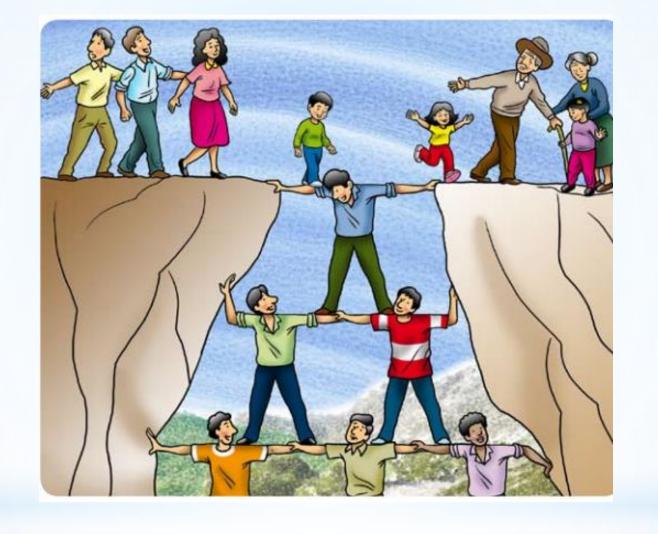
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EMERGENCY DECLARATION ON 14 REGIONS OUT OF 23.

BUDGETS TO REGIONAL AND LOCAL GOVERNMENTS FOR ACTIONS SUCH AS

- CHANNELLING THE RIVERS LIMPIEZA DE DRENES Y ALCANTARILLADO
- Limpieza de Cause
- DRAINS AND SEWER CLEANING



PROMOTE a culture of prevention at all levels will enable us to have a SAFER future