

2016/EPWG/SDMOF/014

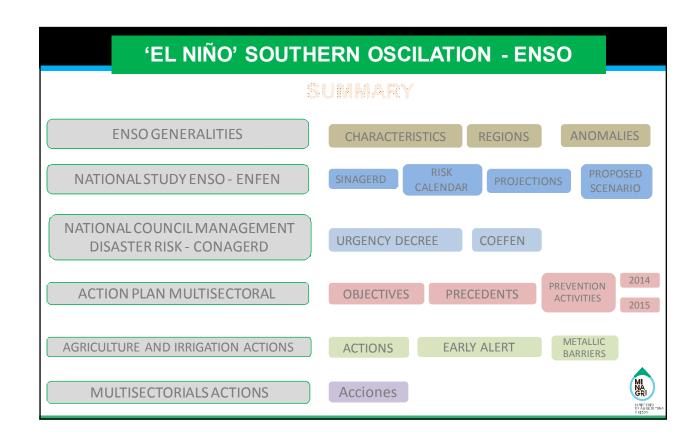
The El Niño Phenomenon: Efforts to Increase Resilience for Food Security

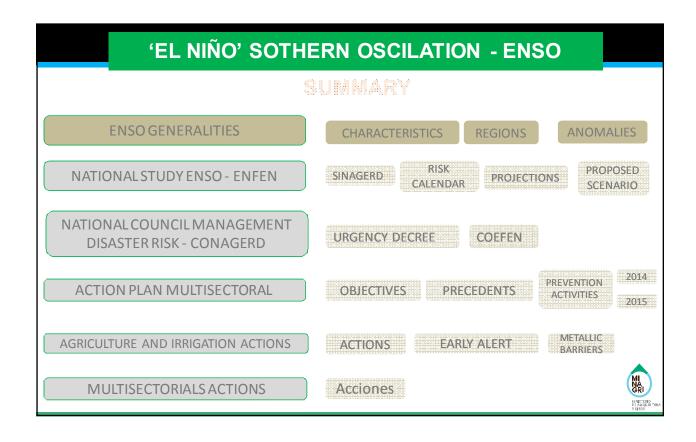
Submitted by: Peru

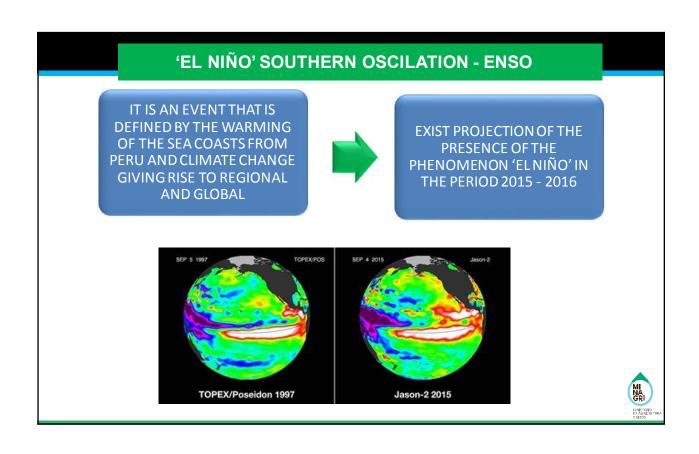


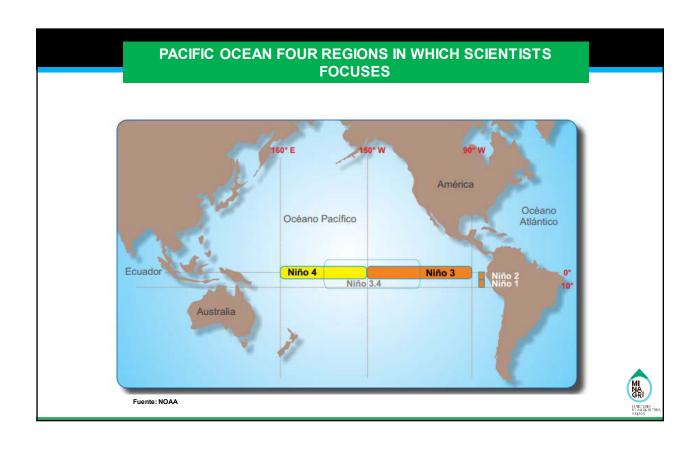
10th Senior Disaster Management Officials Forum Iquitos, Peru 8–9 October 2016

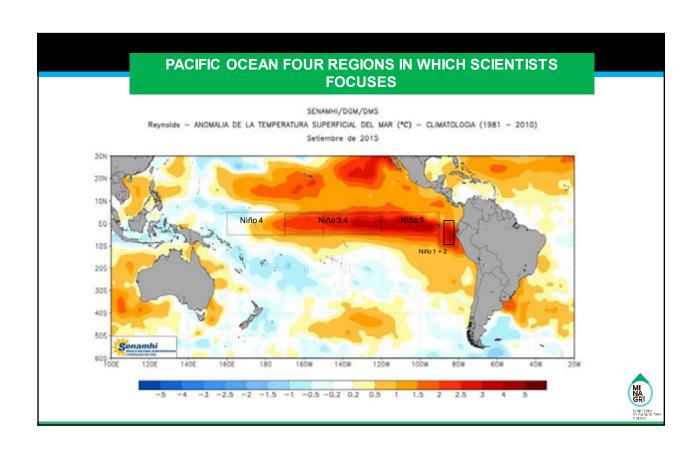
ASIA – PACIFIC ECONOMIC COOPERATION PERU - 2016 Iquitos, october 2016 10th SENIOR DISASTER MANAGEMENT OFFICIALS FORUM EI Niño Southern Oscilation 2015 -2016

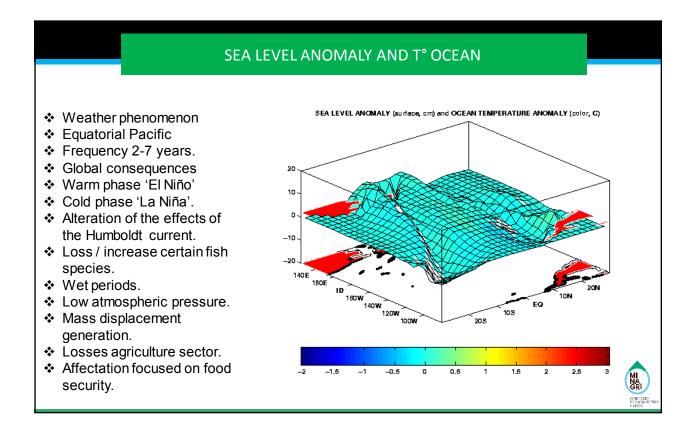


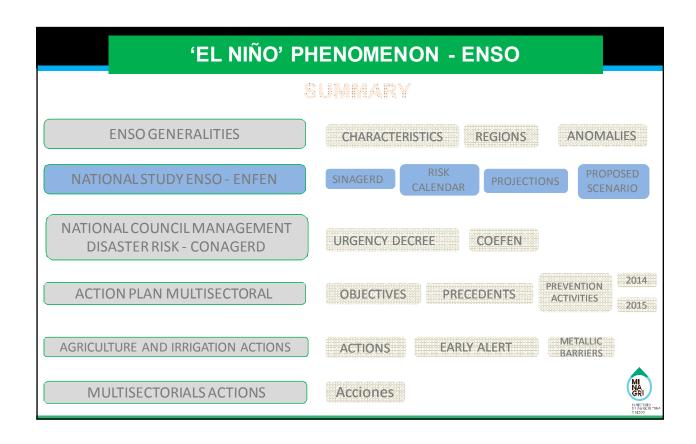


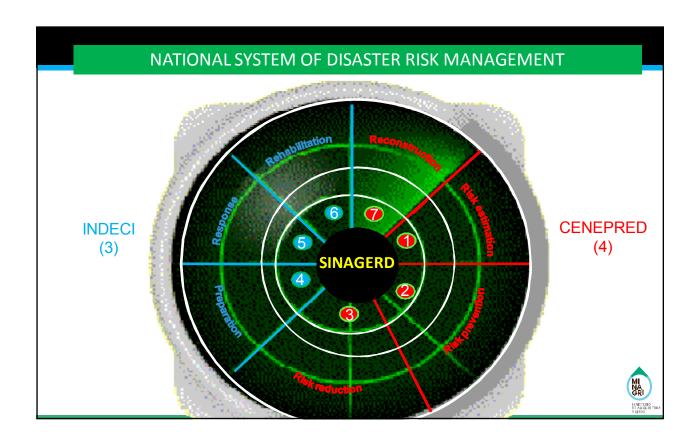






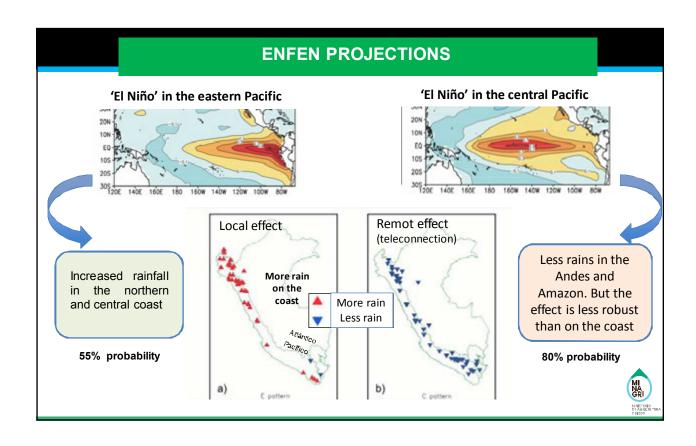












PERU IS CONSIDERED ONE OF THE MOST VULNERABLE COUNTRIES TO THE ENSO...



North coast





South mountains



'ENSO' THREATS ON THE DIFFERENT BASINS IN THE COUNTRY ARE DIVERSE ...

Location of hazards associated with 'ENSO'



1,000 critical points

Located in areas at risk to flooding and erosion in rivers and streams.

500 vulnerable areas creeks

In 14 regions/departments.

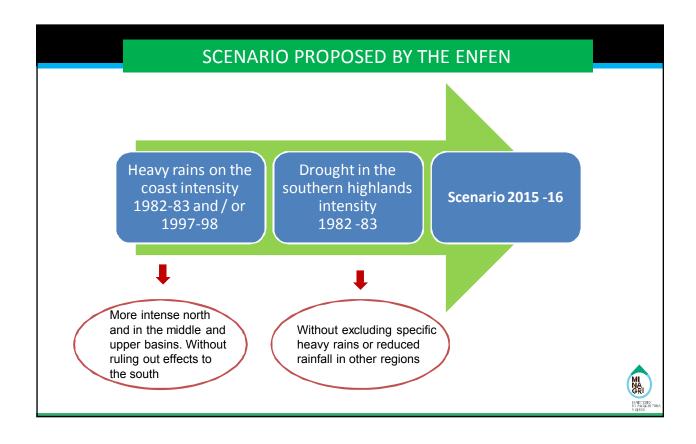
53,220 households

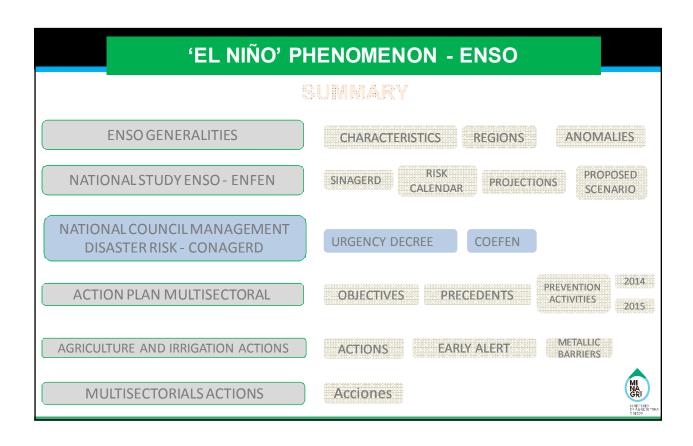
Exposed to heavy rains and flooding.

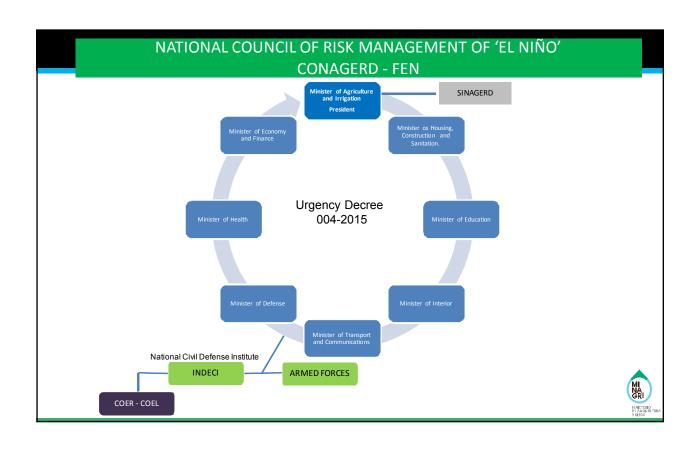
518,870 population

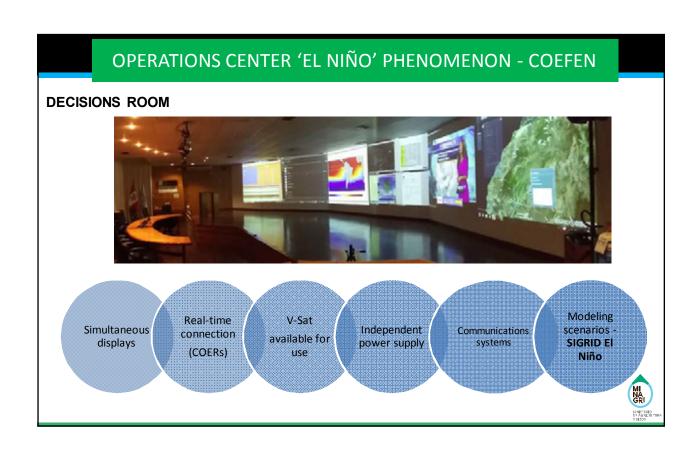
Potentially exposed to economic losses.















OPERATIONS CENTER 'EL NIÑO' PHENOMENON - COEFEN



INFORMATION SYSTEM FOR DISASTER RISK MANAGEMENT SIGRID -ENSO

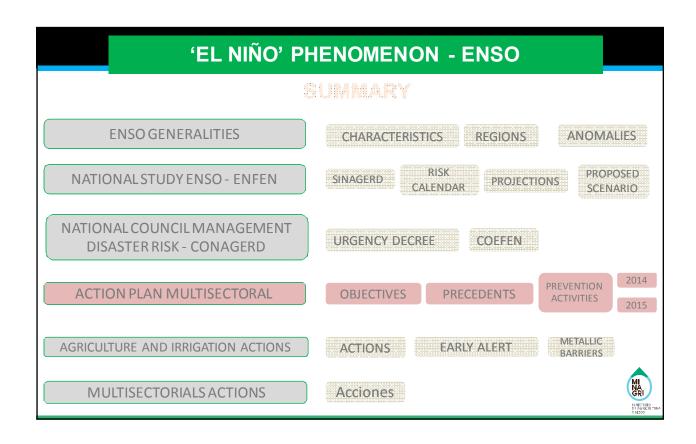
It provides interactive maps, technical papers and specialized tools to the FEN.

It has official information that technical authorities and other state agencies provide to the system

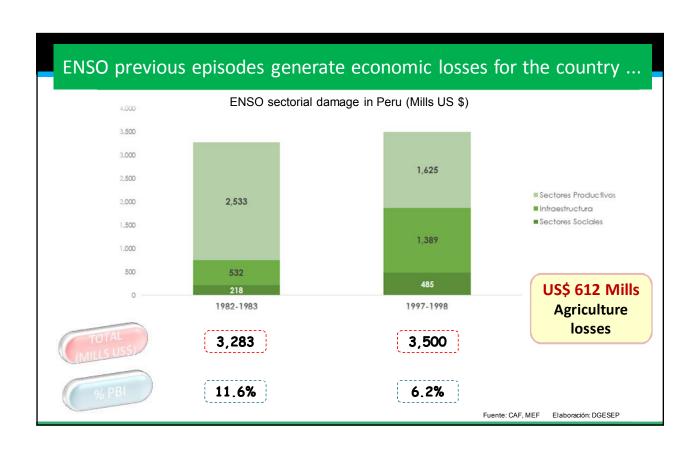


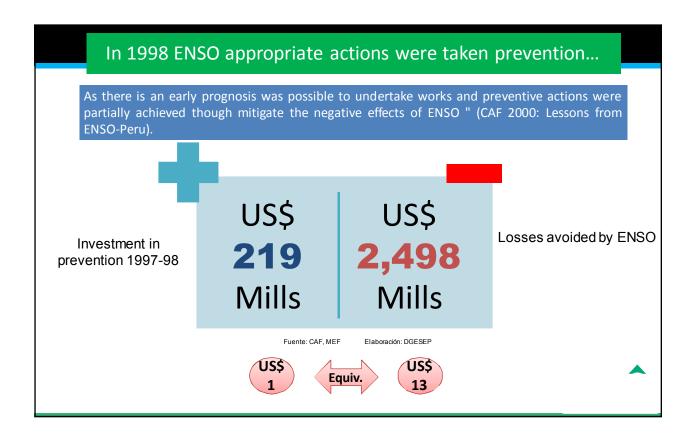
OPERATIONS CENTER 'EL NIÑO' PHENOMENON - COEFEN Simulation charter floods OPERATIONS CENTER 'EL NIÑO' PHENOMENON - COEFEN Simulation charter floods OPERATIONS CENTER 'EL NIÑO' PHENOMENON - COEFEN Simulation charter floods OPERATIONS CENTER 'EL NIÑO' PHENOMENON - COEFEN SIMULATION CHARTER 'EL NIÑO' PHENOMENON - COEFEN OPERATIONS CENTER 'EL NIÑO' PHENOMENON - COEFEN SIMULATION CHARTER 'EL NIÑO' PHENOMENON - COEFEN OPERATION CHARTER 'EL NIÑO' PHENOMENON - COEFEN SIMULATION CHARTER 'EL NIÑO' PHENOMENON - COEFEN OPERATION CHARTER 'EL NIÑO' PHENOMENON - COEFEN SIMULATION CHARTER 'EL NIÑO' PHENOMENON - COEFEN OPERATION CHARTER 'EL NIÑO' PHENOMENON - COEFEN

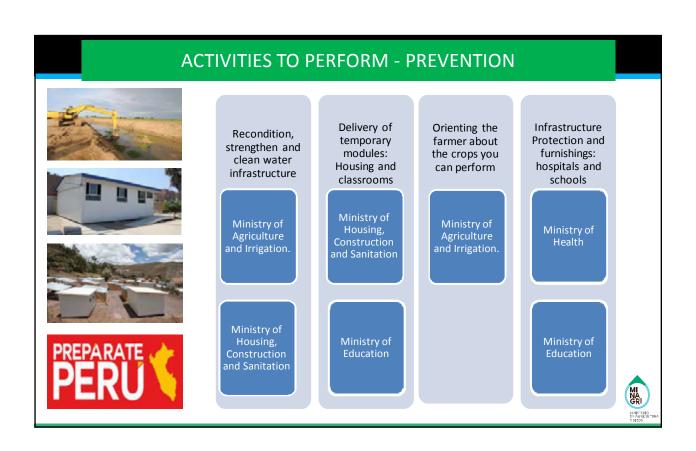












ACTIVITIES TO PERFORM - PREVENTION









Preventive actions to prevent crop pests and people (disease).

> Ministry of Agriculture and Irrigation.

> Ministry of Health

Providing food for animals that suffer consequences from frost

Ministry of Housing, Construction and Sanitation Providing food for animals that suffer consequences from frost

> Ministry of Agriculture and Irrigation.

Strengthen and maintain national roads, bridges and works of art, and the installation of Bailey bridges.

Ministry of Transports and Communications



ACTIVITIES TO PERFORM - PREVENTION









Volunteer programs

Ministry of Development and Social Inclusion

Ministry of Women and Vulnerable Populations Support for the distribution of humanitarian aid

Ministry of Interior

Ministry of Women and Vulnerable Populations Brigades organize search and rescue

Ministry of Interior

Ministry of Defense Organizing awareness campaigns and guidance to the population

Ministry of Health

Ministry of Education



Preventive actions ENSO 2015 - 2016

Year 2014 Law 30191

- Total investment: USD 950 millions aprox.
- Government: USD 450 millions aprox.
- Regional governments: USD 490 millions aprox.

Regular Budget 2015

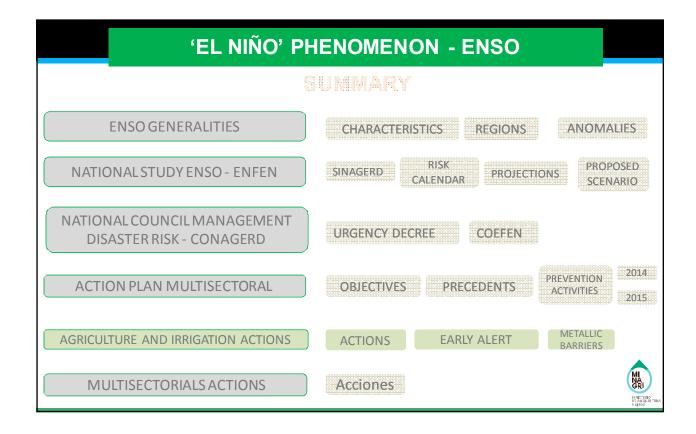
 They are USD 275 millions aprox. National Government.

Additional demand

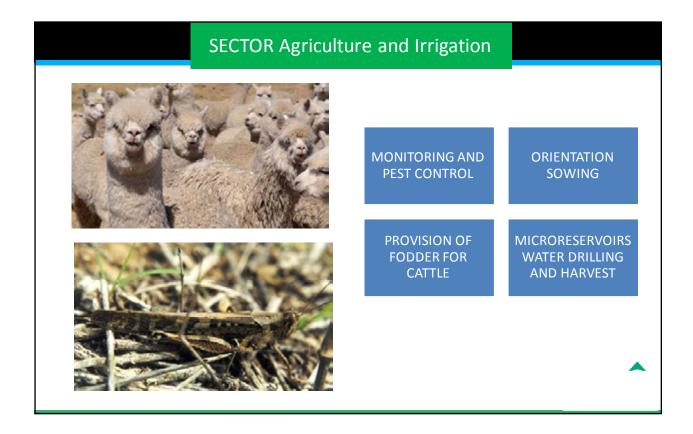
 It has USD 525 millions aprox. multisectorial additional demand.



Actividades y Proyectos Ley N° 30191 – Año Fiscal 2014 EJECUCIÓN PRESUPUESTO **PROYECTOS** S/. 88.8 millones S/. 74.7 millones **74**% **ACTIVIDADES** S/. 98.2 millones S/. 93.5 millones 95% TOTAL S/. 187.0 millones S/. 168.2 millones 90% 47,900 Kit 394.8 kms De Asistencia con Insumos Descolmatación de Cauces, Tumbes, Piura, Lambayeque, La Libertad, 133 para la Actividad Agrícola Logros Ancash, Lima e Ica. Proyectos Ejecutados 8,351 Kit Veterinario alcanzados: 575 Cobertizos Para Protección de la Infraestructura para la Actividad Pecuaria de Riego y de á reas de cultivo de las Para Resguardo de Ovinos y Camélidos amenazas existentes de huaycos, desbordes e inundaciones en é pocas 4,202 Kit Alimentario de Iluvia 1,878 hectáreas Suplementario Tratamiento de Cuencas Altas para la Actividad Pecuaria







SECTOR Agriculture and Irrigation Prevention activities SECOND BLOCK THIRD BLOCK FIRST BLOCK **GRAND TOTAL DEPARTAMENTS** Nro. Presup Nro. Presup. 587 activities Activ. (S/.) (S/.) 20,119,442 AMAZONAS 6 2,000,000 19 8,000,000 17 10,119,442 42 planned by USD 11 10,000,000 22 19,139,886 33 29,139,886 165 millions AREQUIPA 2 2,000,000 6,000,000 6 5,173,582 13,173,582 15 CAJAMARCA 2,000,000 8,000,000 11 9,697,794 22 19,697,794 3 3,866,024 3,866,024 2,000,000 24,043,057 ICA 9,000,000 13 13.043.057 25 JUNIN 5 3,511,300 5 3,511,300 **USD 40 million** 20,000,000 20,000,000 12,820,647 102 52,820,647 LA LIBERTAD 53 31 18 transferred to 27 35,000,000 14 20,000,000 19 26,346,300 59 81,346,300 LIMA 12,000,000 15,050,613 27,050,613 the GOREs 60,000,000 131,775,977 PIURA 105 20,000,000 50 51,775,977 164 12 and GOLOs 6 3,908,926 6 3,908,926 PUNO SAN MARTIN 3,000,000 8 13 7.000.000 9.446.451 19.446.451 16 37 26 37,000,000 20,000,000 36,600,000 46 93,600,000 140,000,000 523,499,999 220,500,000









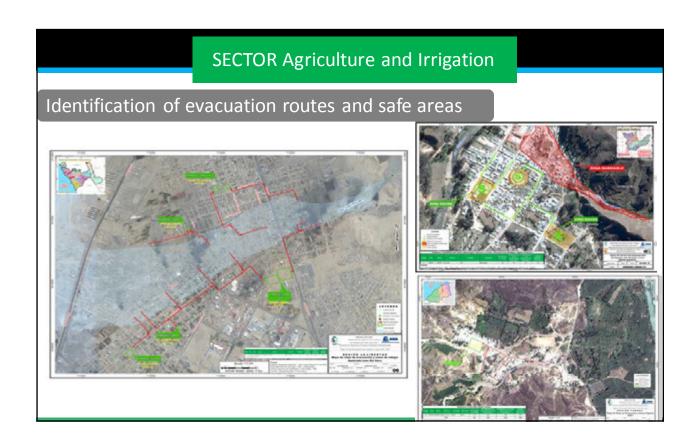


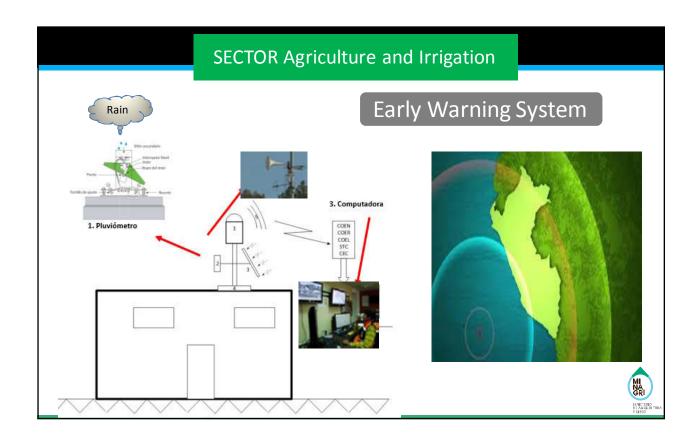


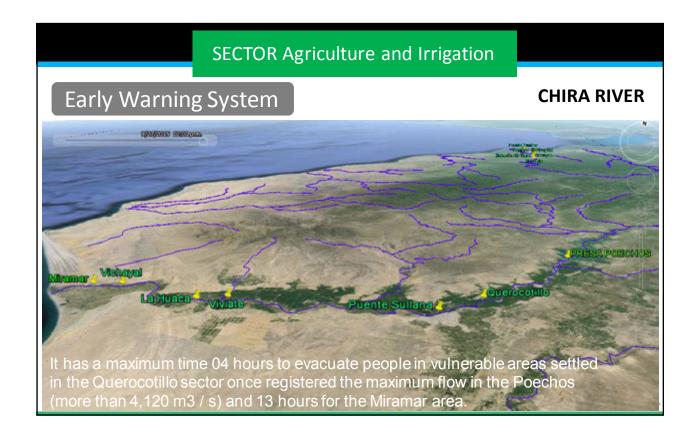


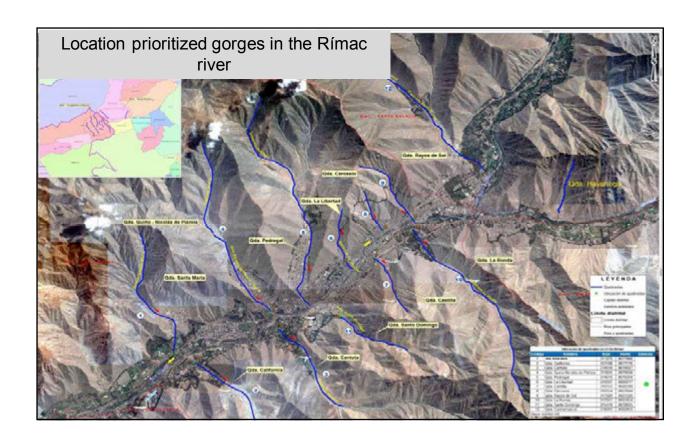


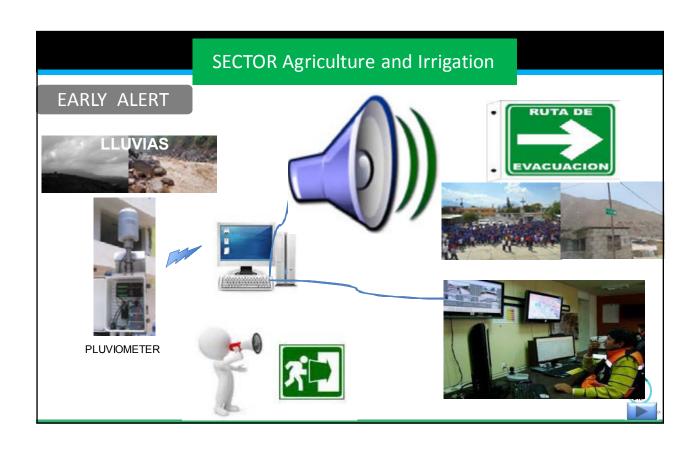








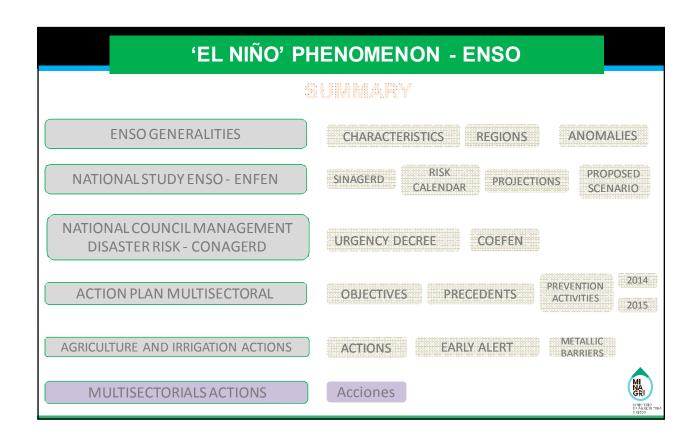


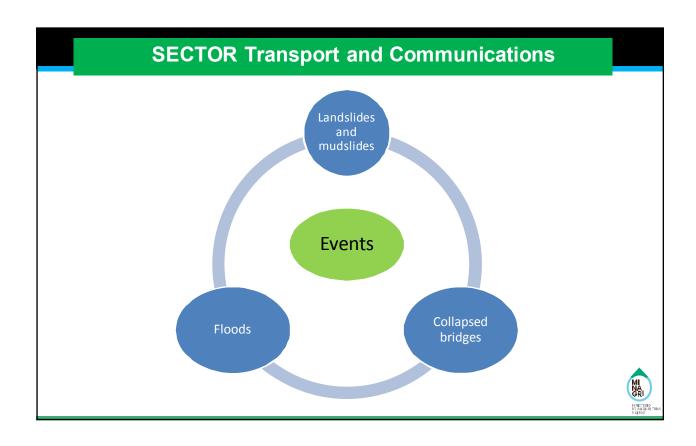


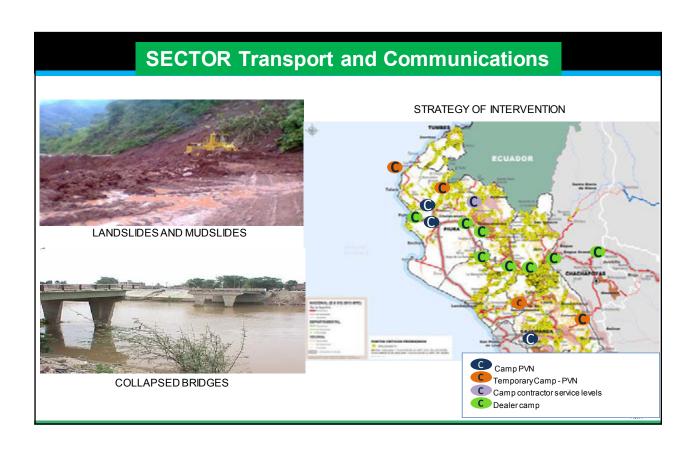


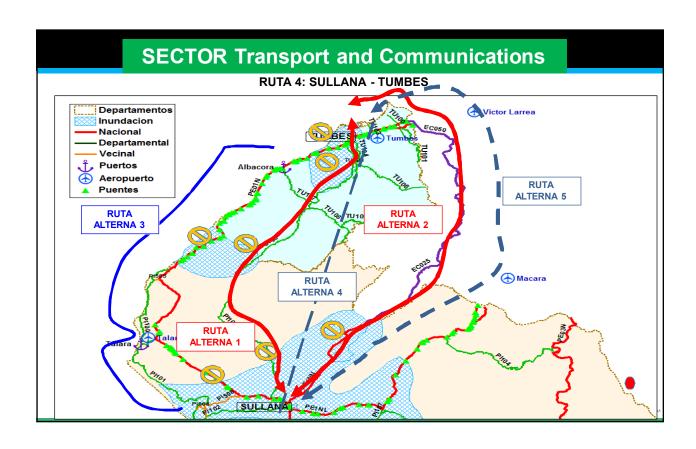














SECTOR Housing, Construction and Sanitation









SECTOR Housing, Construction and Sanitation

TAMBOS

The Tambos are the platform of services for sectors start their activities in the field. Tambos order to help reverse the current living conditions of rural villages as a result of the occurrence of natural phenomena.



TAMBOS POR DEPARTAMENTOS SEGÚN NIVEL DE RIESGO		
DEPARTAMENTO	TAMBOS INSTALADOS	TAMBOS EN DISTRITOS EN ESTADO DE EMERGENCIA D.S. N° 045-2015-PCM
AMAZONAS	5	3
ANCASH	10	10
APURÍMAC	18	
AREQUIPA	10	9
AYACUCHO	34	
CAJAMARCA	12	10
cusco	33	25
HUANCAVELICA	31	
HUÁNUCO	23	
JUNÍN	12	12
LA LIBERTAD	7	6
LORETO	9	
PASCO	7	
PIURA	6	3
PUNO	30	30
TACNA	1	
Total General	248	108









INFRASTRUCTURE PROTECTION

ORGANIZATION OF BRIGADES

MEDICAL CARE

OUTREACH CAMPAIGNS TO PREVENT DISEASE

VACCINATION AND

SPRAYING

CAMPAIGNS

INSTALLATION HOSPITAL CAMPAIGN



SECTOR Health

Epidemiological surveillance

Environmental Sanitation









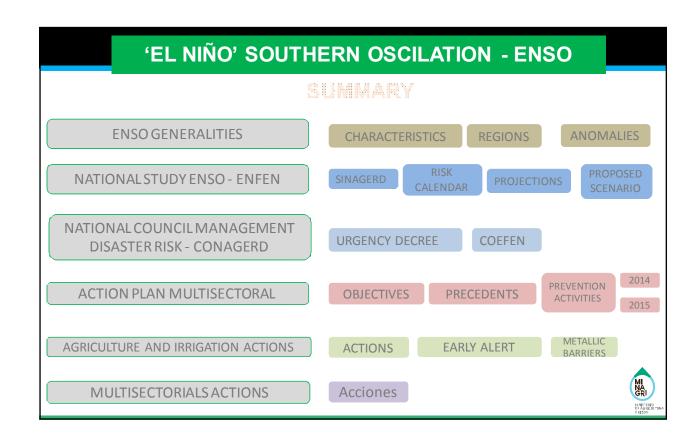












ASIA – PACIFIC ECONOMIC COOPERATION PERÚ - 2016

Iquitos, october 2016

10th SENIOR DISASTER MANAGEMENT OFFICIALS FORUM









El Niño

Southern Oscilation 2015 -2016

