

Promedio Mensual
Febrero 2002 - 2012

HydroTerra

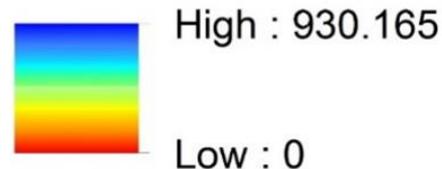
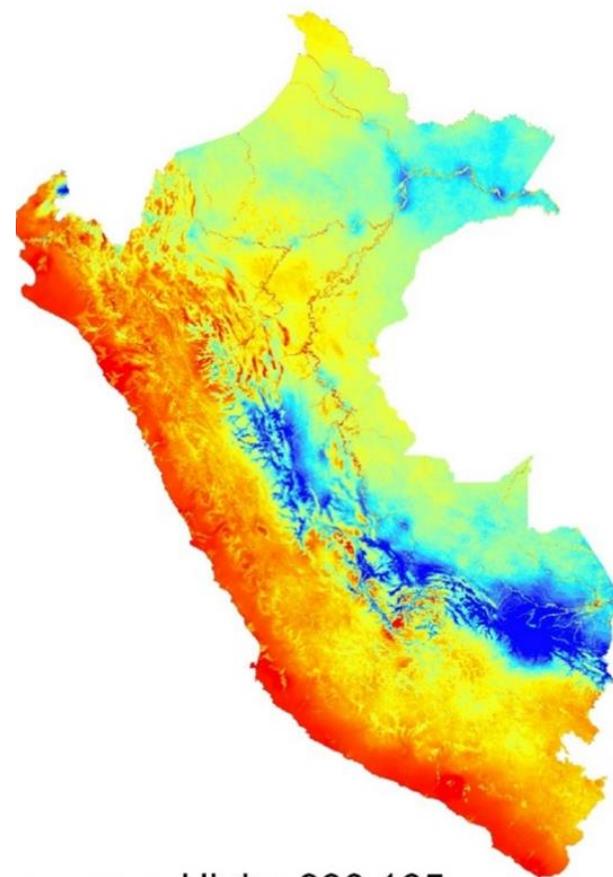
Consultoría en Aguas y Medio Ambiente

Fenómeno EL Niño 2018 - 2019

Juan García Quijano

Gerente General – Hidrología

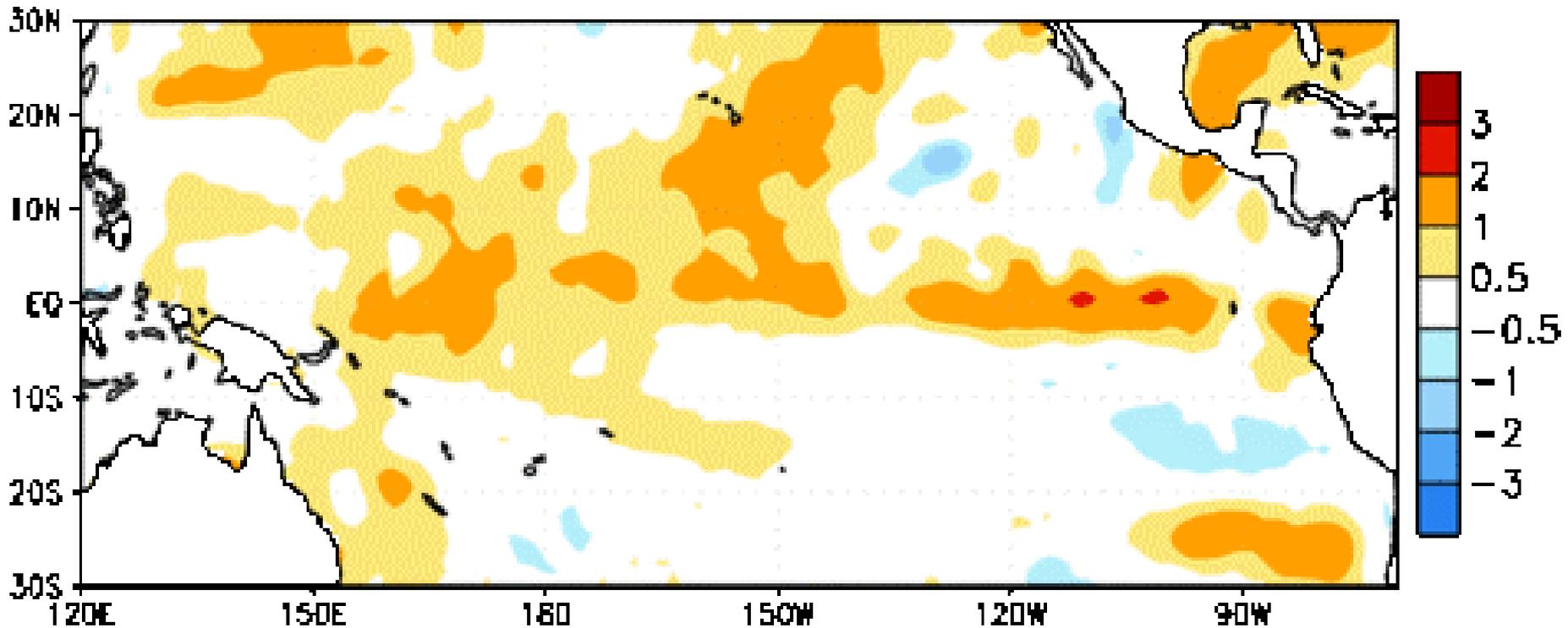
juan.garcia@hydroterra.com.pe

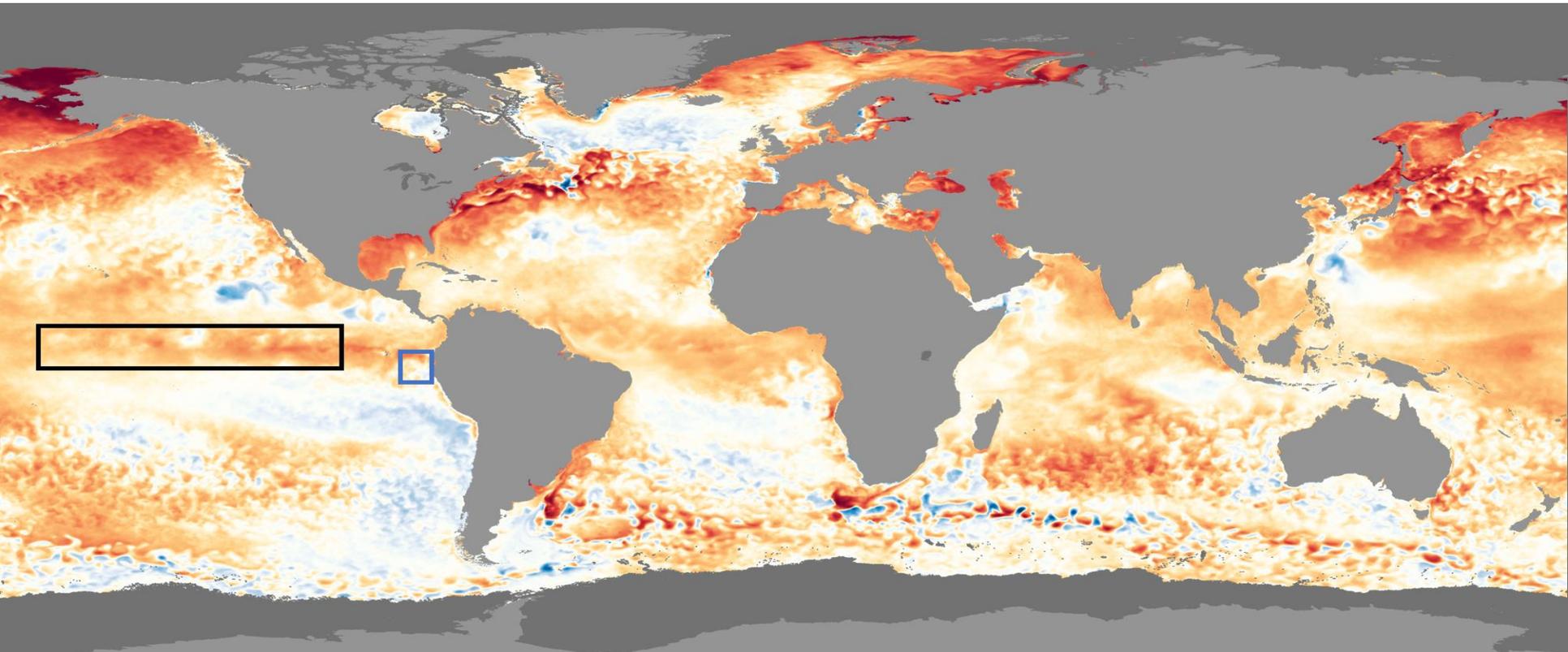


CENTRO DE PREDICCIIONES CLIMÁTICAS/NCEP/NWS
y el Instituto Internacional de Investigación para el Clima y la Sociedad

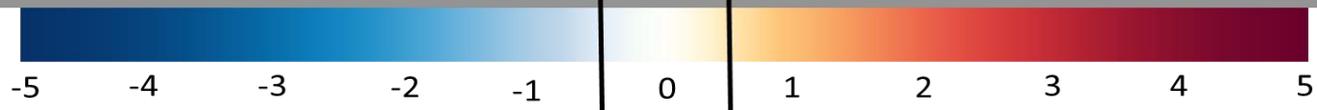
Week centered on 07 NOV 2018

SST Anomalies (°C)





Anomalías de la temperatura del mar (oC) de Octubre del 2018



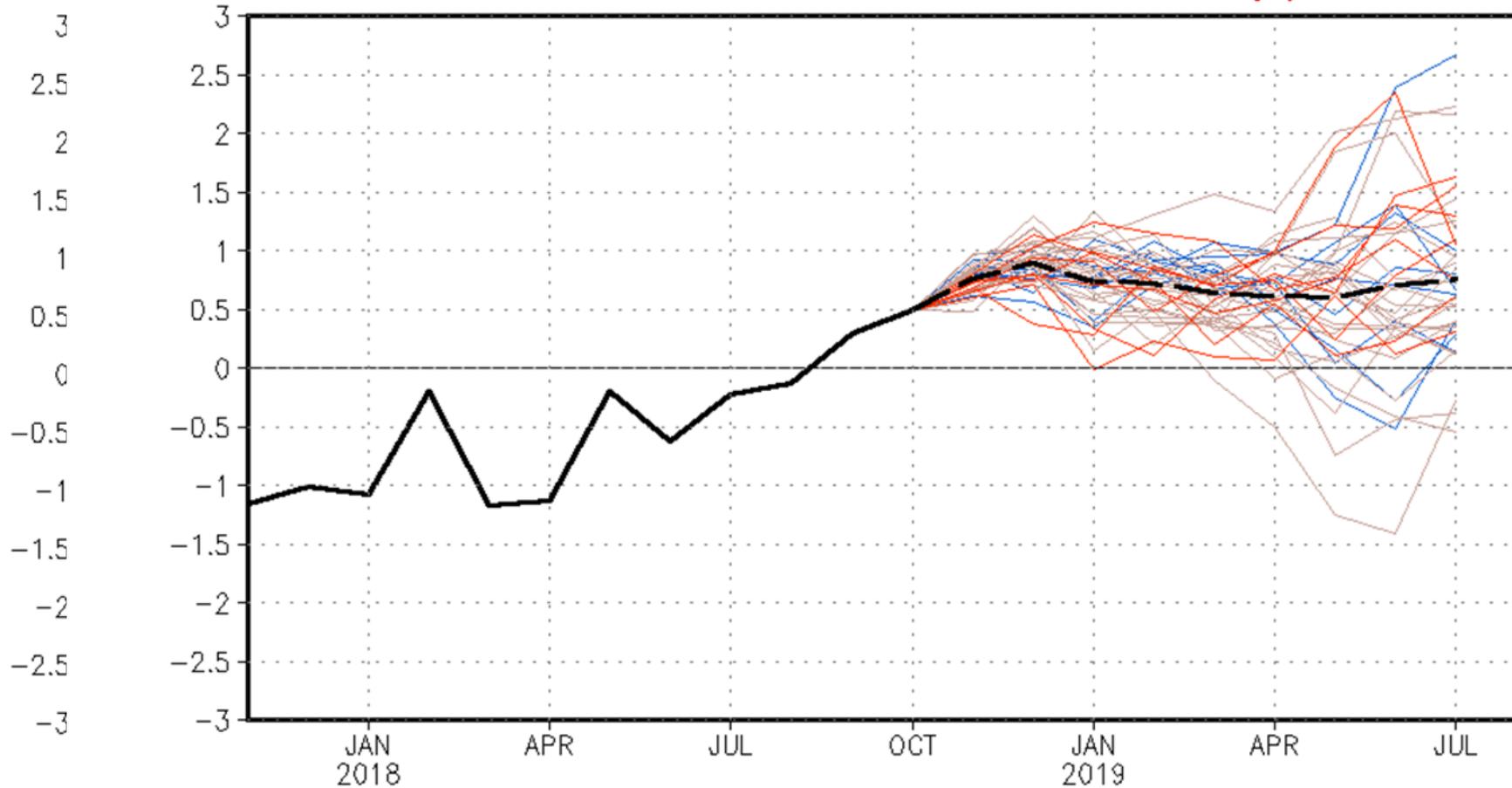


N

NWS/NCEP/CPC

Last update: Mon Nov 5 2018
Initial conditions: 26Oct2018-4Nov2018

CFSv2 forecast Nino1+2 SST anomalies (K)

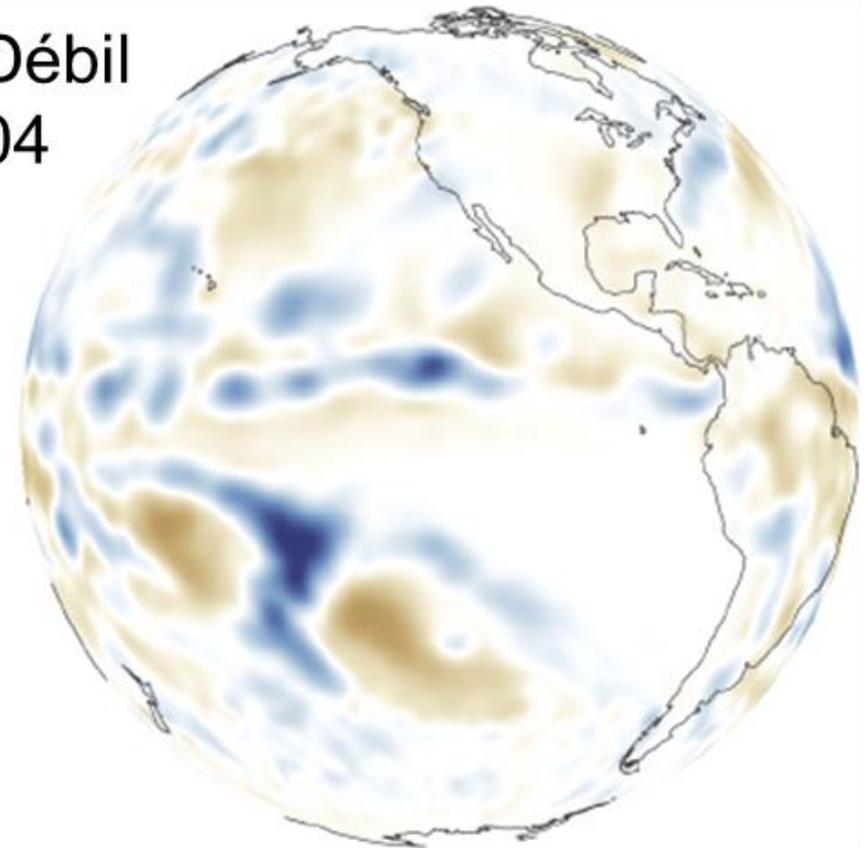
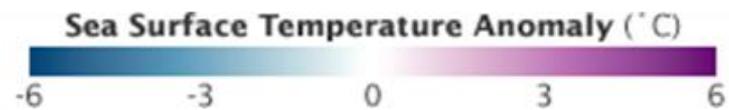
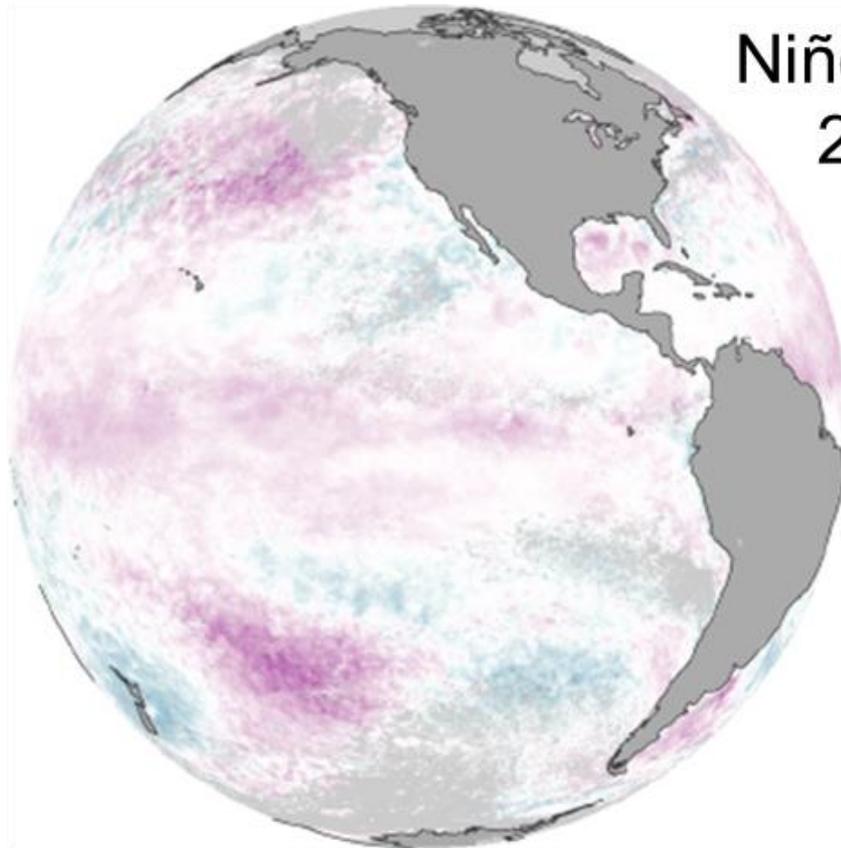


- Latest 8 forecast members
- Earliest 8 forecast members
- Other forecast members
- Forecast ensemble mean
- NCDC daily analysis

El Niño				La Niña		
Débil	Moderado	Fuerte	Muy Fuerte	Débil	Moderado	Fuerte
1952 – 53	1951 – 52	1957 – 58	1982 – 83	1954 – 55	1955 – 56	1973 – 74
1953 – 54	1963 – 64	1965 – 66	1997 – 98	1964 – 65	1970 – 71	1975 – 76
1958 – 59	1968 – 69	1972 – 73	2015 – 16	1971 – 72	1995 – 96	1988 – 89
1969 – 70	1986 – 87	1987 – 88		1974 – 75	2011 - 12	1998 – 99
1976 – 77	1994 – 95	1991 - 92		1983 – 84		1999 – 00
1977 – 78	2002 – 03			1984 – 85		2007 – 08
1979 – 80	2009 - 10			2000 – 01		2010 - 11
2004 – 05				2005 – 06		
2006 – 07				2008 – 09		
2014 - 15				2016 – 17		
				2017 - 18		

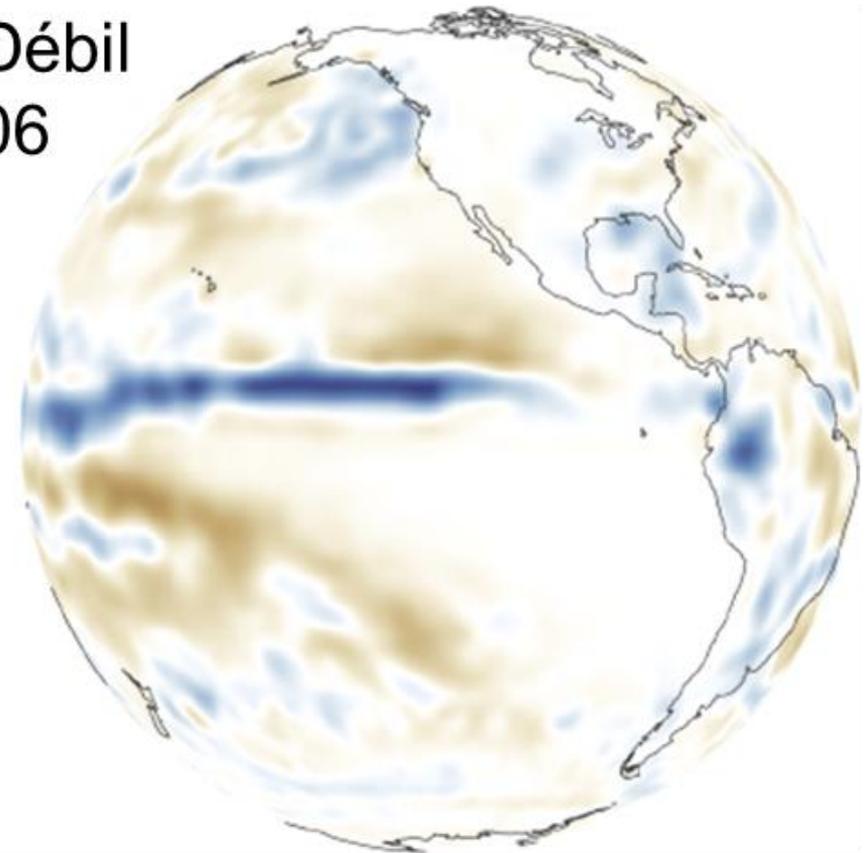
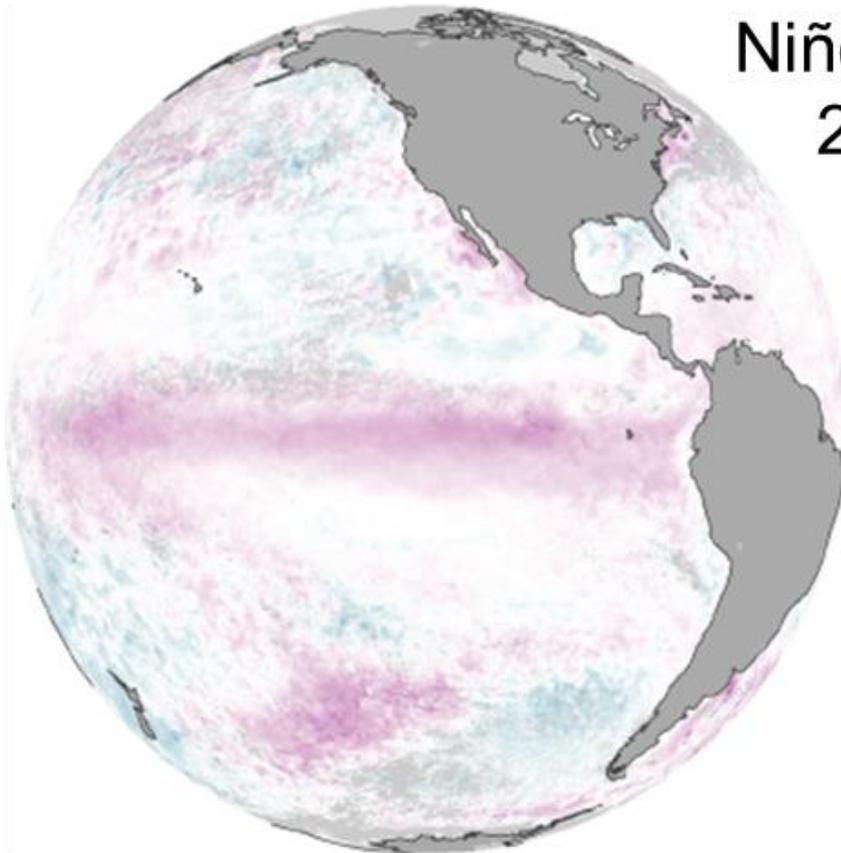
HydroSat — ¿Los efectos son siempre los mismos?

Niño Débil
2004



HydroSat — ¿Los efectos son siempre los mismos?

Niño Débil
2006



Sea Surface Temperature Anomaly (°C)

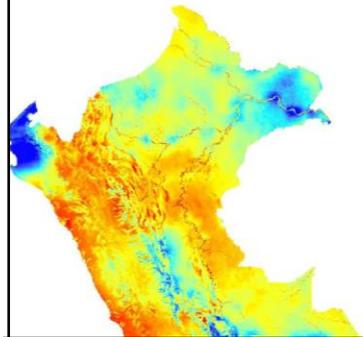


Rainfall Anomaly (mm)

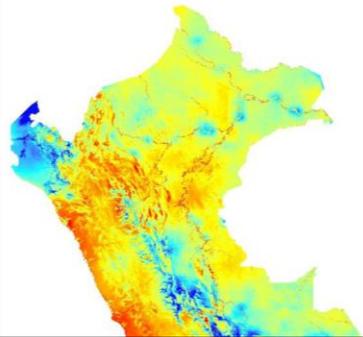


HydroSat – Fenómeno del Niño 1998 y 2016

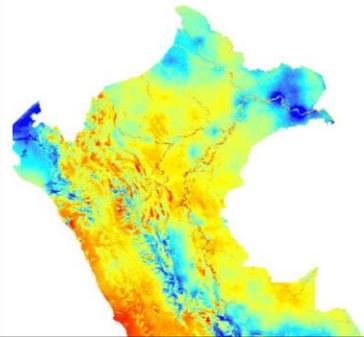
January 1998



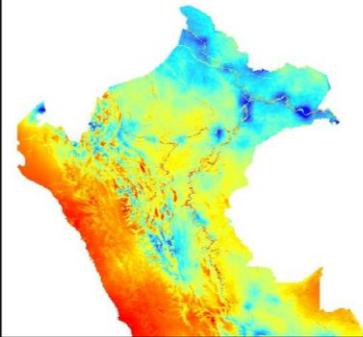
February 1998



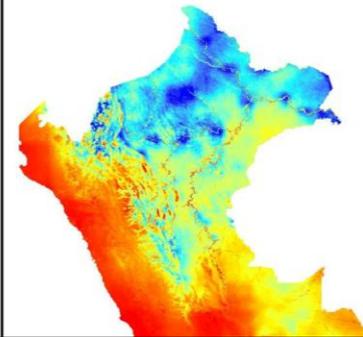
March 1998



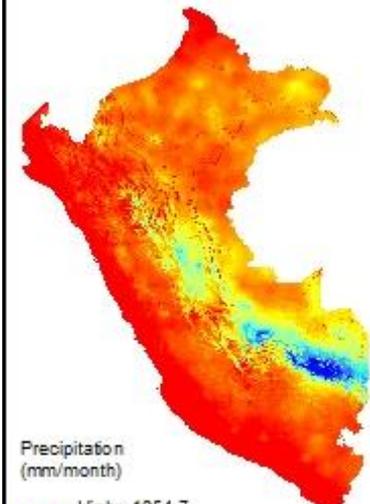
April 1998



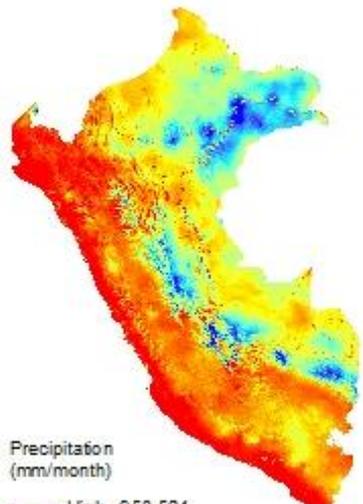
May 1998



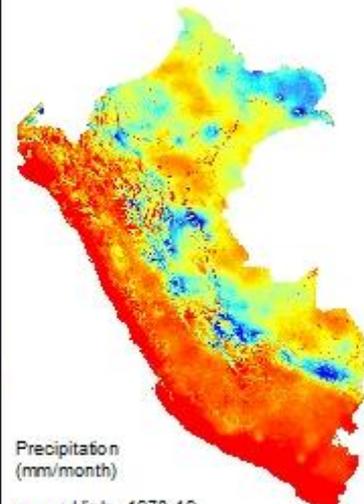
January 2016



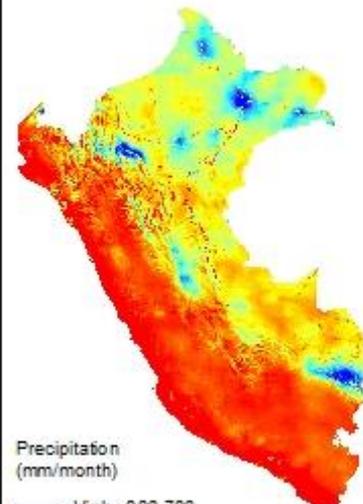
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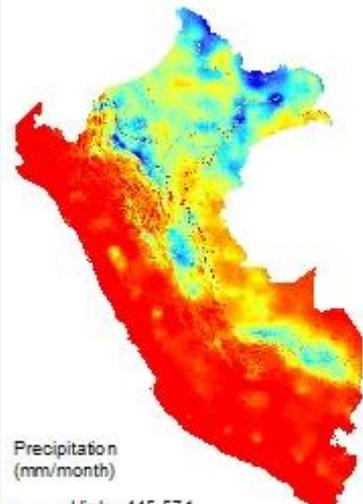
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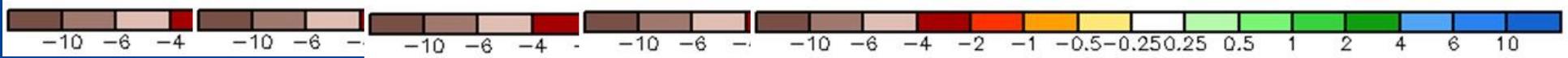
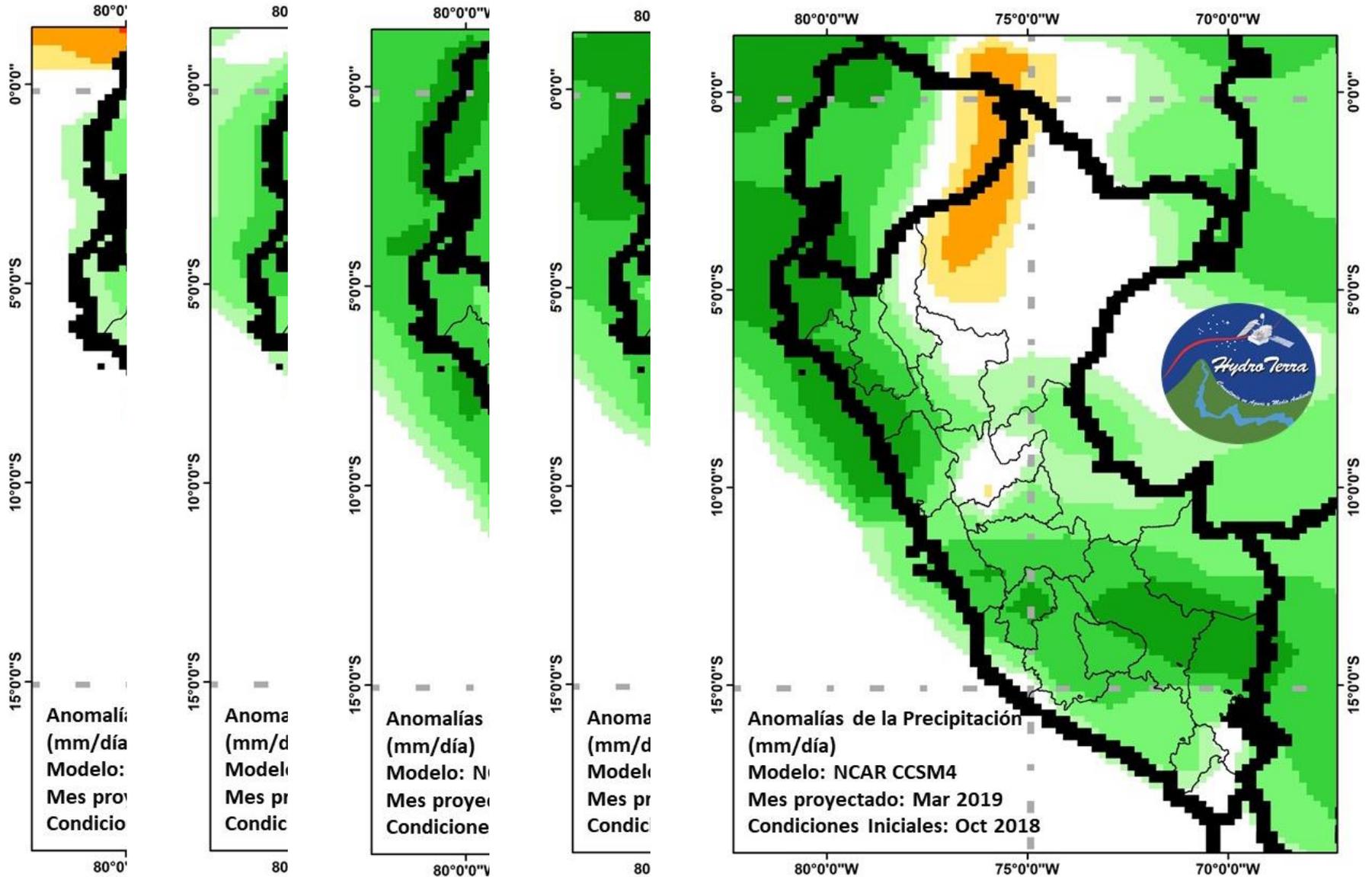
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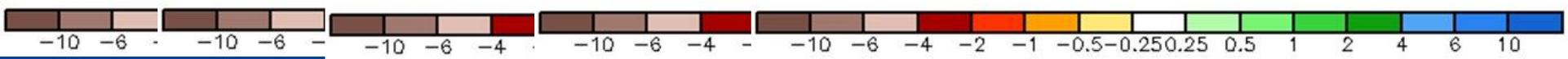
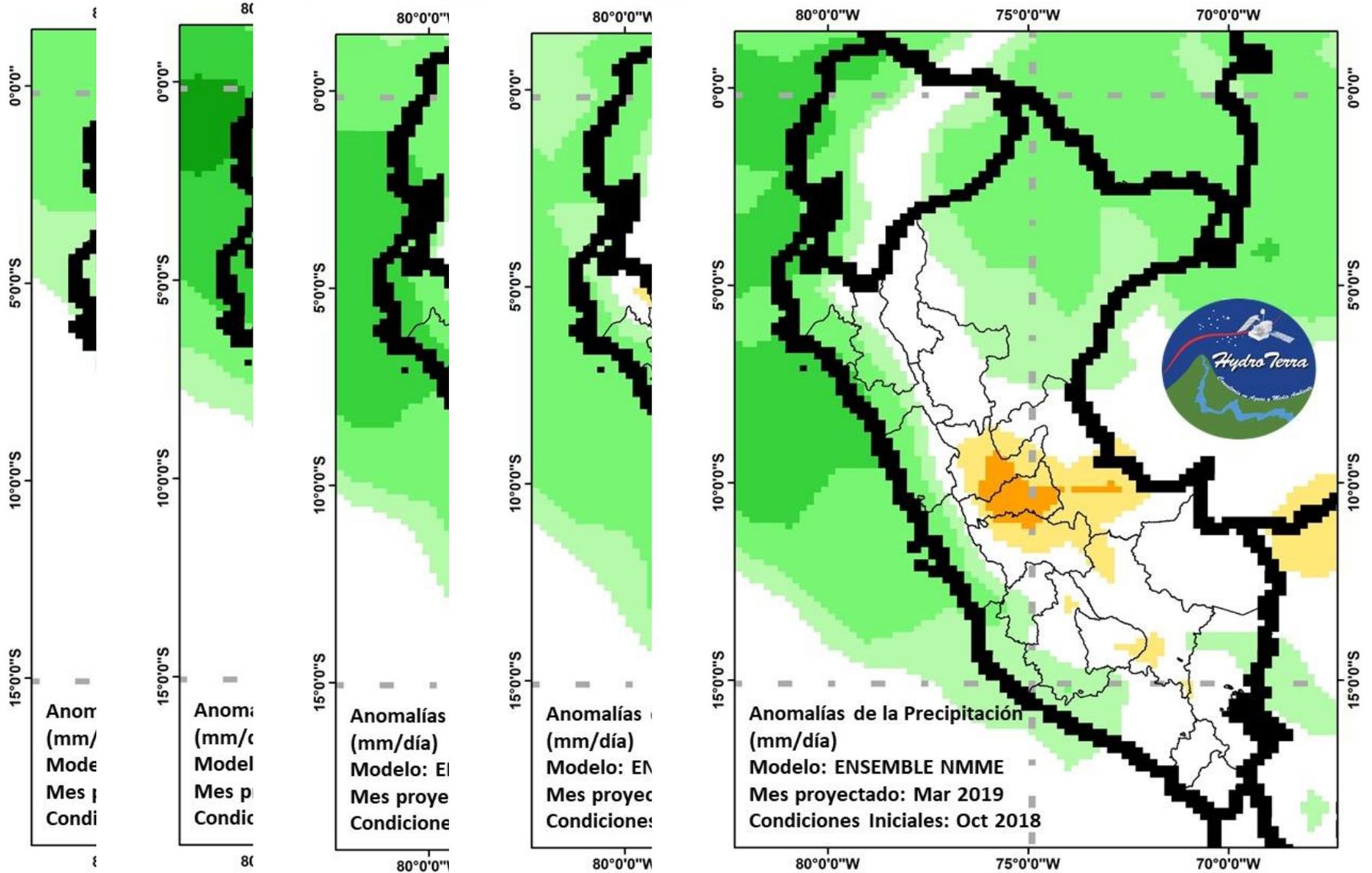
May 2016



HydroSat – ¿Qué dicen los modelos globales?

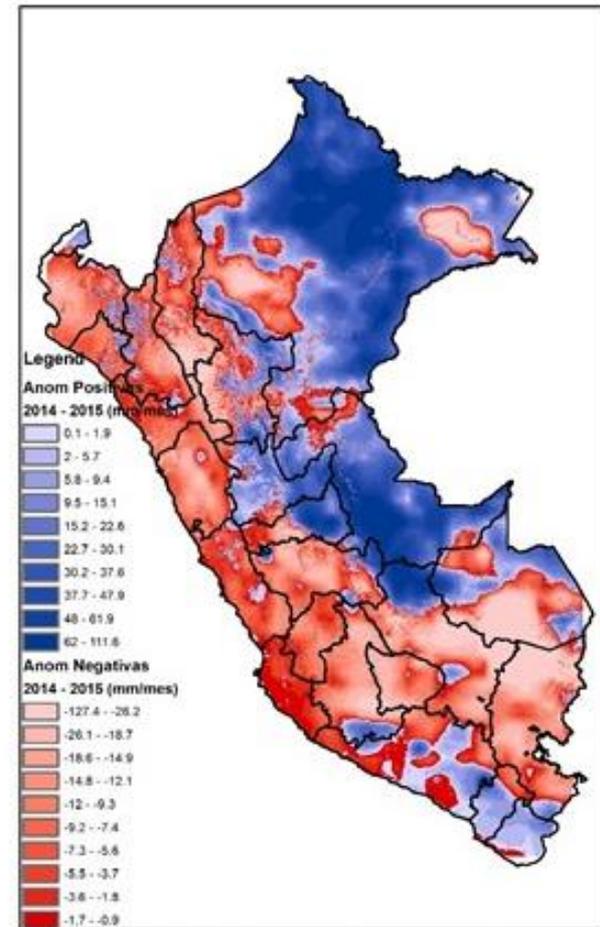
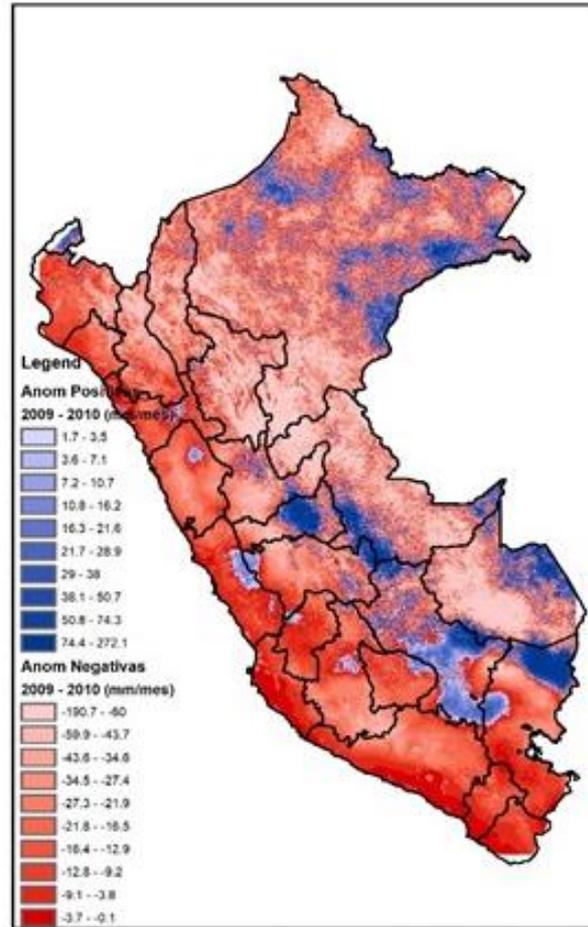
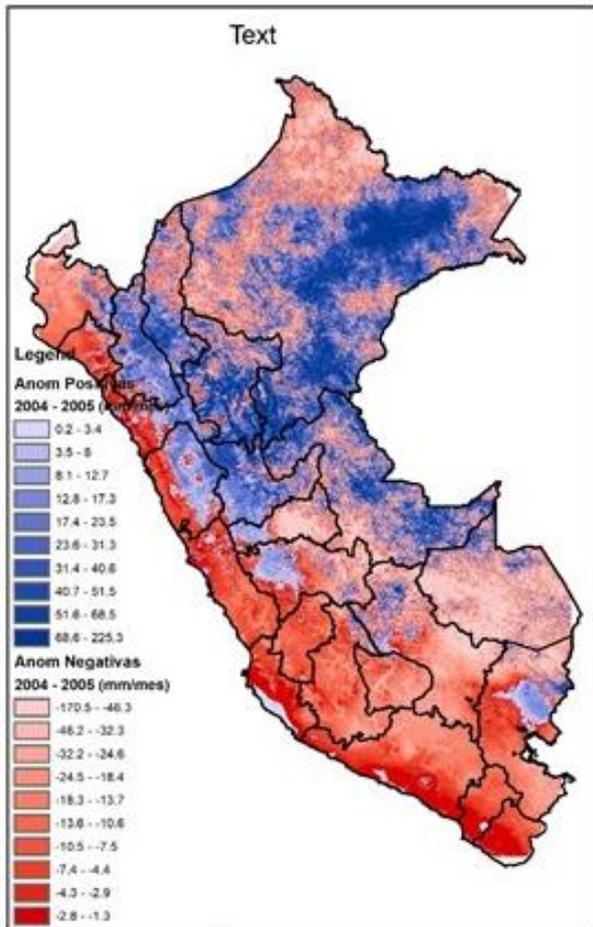


HydroSat – ¿Qué dicen los modelos globales?

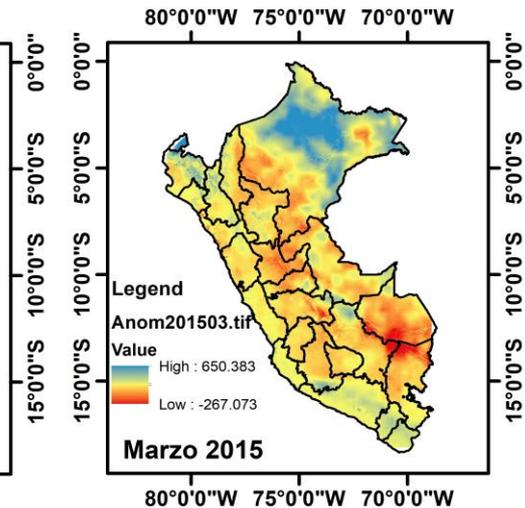
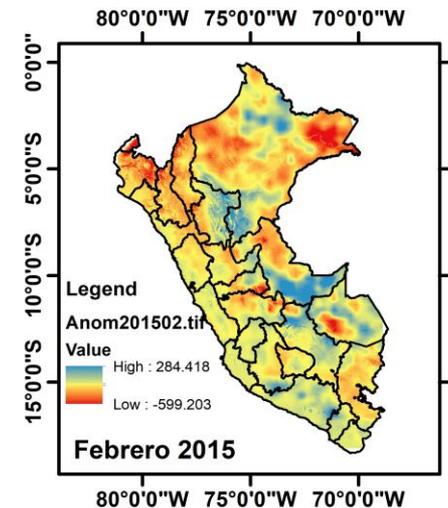
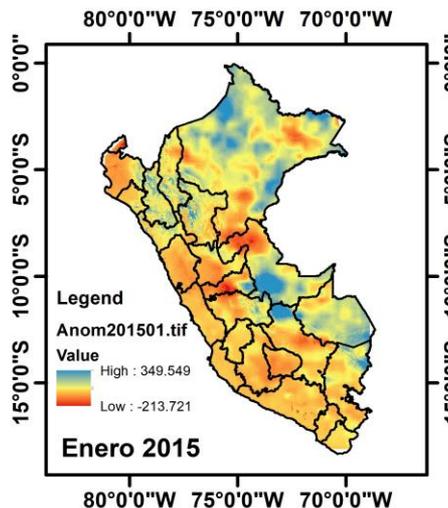
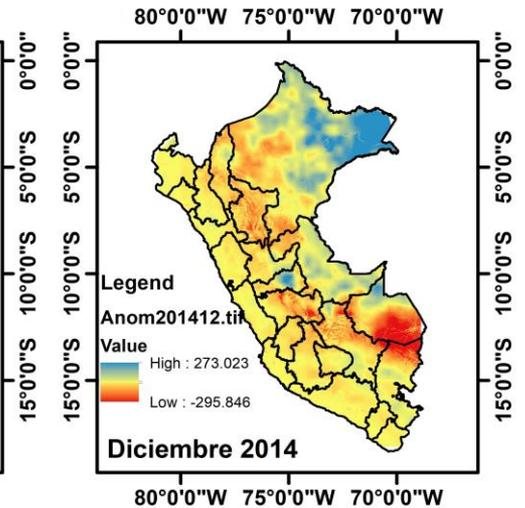
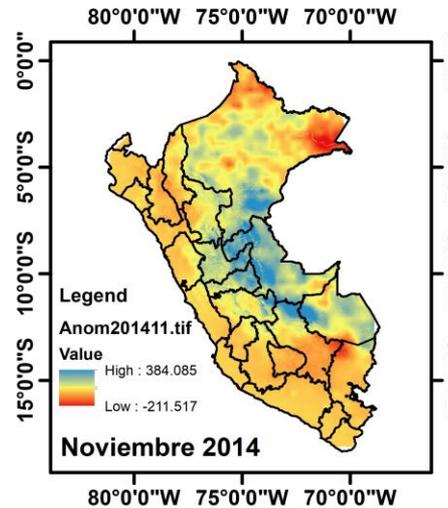
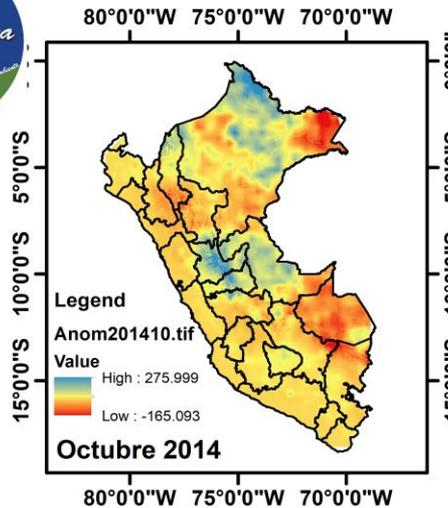


Precipitaciones durante Niños débiles

Anomalias Promedio de la Precipitación de Octubre a Marzo 2004 - 2005 ; 2009 - 2010 ; 2014 - 2015 Fenómenos del Niño Débil



Precipitaciones durante Niños débiles



Anomalías de la Precipitación
de Octubre del 2014 a Marzo del 2015
Durante un ENSO débil

Precipitación de Junio del 2014 a Mayo del 2015



THANK YOU

GRACIAS

ARIGATO

SHUKURIA

PAXAR

DANKSCHEE!

TASHAKKUR ATU

YAQHAYTAY

SUKSAMA

GRAZIE!

MEHRBANI

PALEWA

BIYA

SHUKRIY

TRIGGI

GOZARASHITA

ECHARISTO

KOMPASUNDA

MAKATE

ROJ ZIN