



CAMPAÑA GRUESA 2016-2017

1er CONGRESO DE PERSPECTIVAS AGRÍCOLAS DE LA BOLSA DE CEREALES
3ra CONFERENCIA INTERNACIONAL SOBRE PROYECCIONES
AGROINDUSTRIALES DE LA FUNDACIÓN INAI



Bolsa de Cereales





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PERSPECTIVA AGROCLIMÁTICA 2016/2017

Ing. Agr. Eduardo M. Sierra
Especialista en Agroclimatología

Bolsa de Cereales
FAUBA/CONICET



Bolsa de Cereales



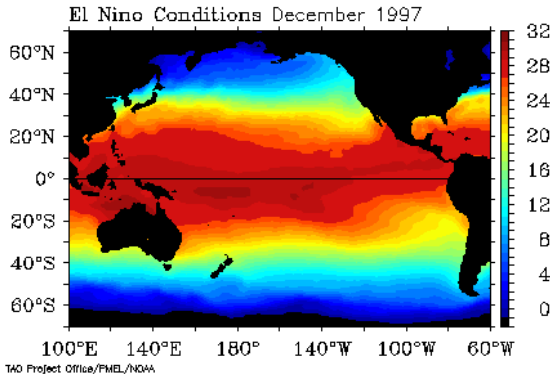
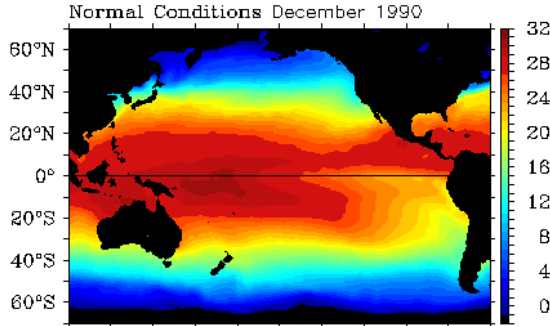
EL ESCENARIO DE CAMBIO CLIMÁTICO

- Fuerte incremento de la variabilidad climática en todas las variables atmosféricas.
- Precipitaciones de tipo tormenta severa con mucha irregularidad espacial, y riesgo de granizo, vientos y aguaceros torrenciales.
- Situaciones de bloqueo.
- Los “El Niño” se volvieron muy erráticos.
- Las “La Niña” se volvieron muy secas.
- Régimen térmico riguroso.

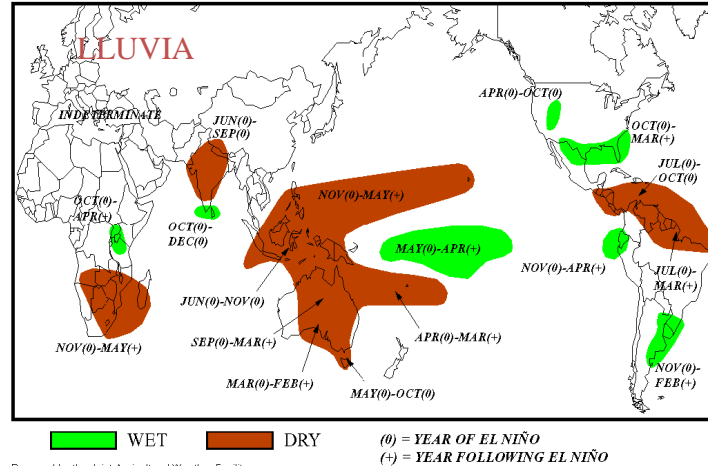
EL ENSO EN EL ESCENARIO DE CAMBIO CLIMÁTICO GLOBAL

EFFECTOS DE “EL NIÑO”

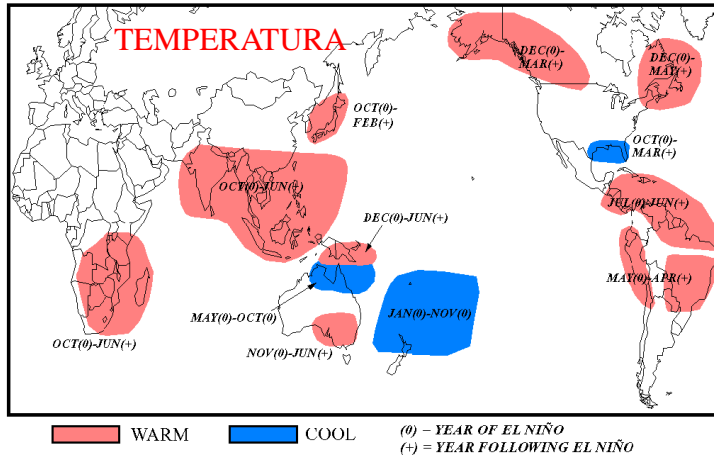
NORMAL



NIÑO



Prepared by the Joint Agricultural Weather Facility
Source: Ropelewski and Halpert, 1987. Monthly Weather Review, (115) p. 1606-1626.



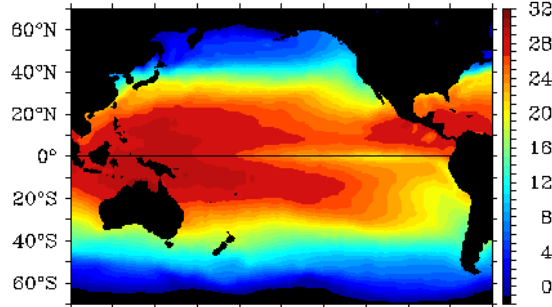
Prepared by the Joint Agricultural Weather Facility
Source: Halpert and Ropelewski, 1992. Journal of Climate, (5) p. 577-593.

EFFECTOS DE “LA NIÑA”

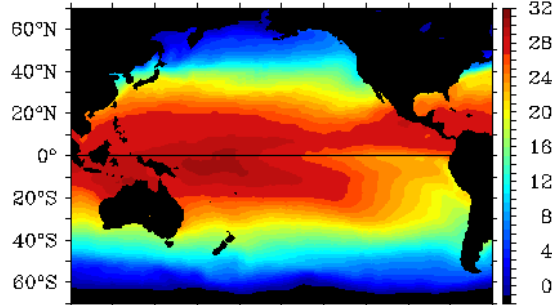
NIÑA

Reynolds Monthly SST (°C)

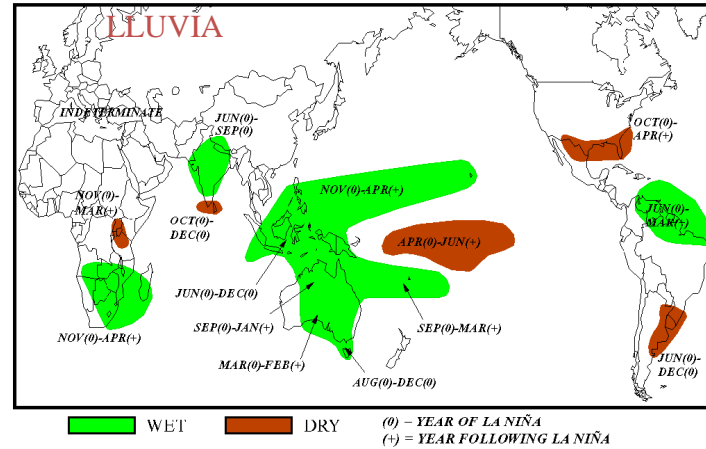
La Nina Conditions December 1988



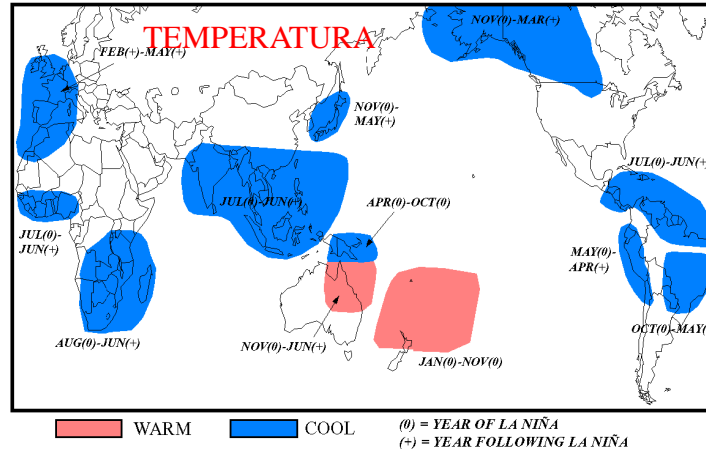
Normal Conditions December 1990



NORMAL

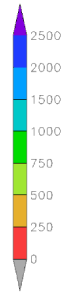
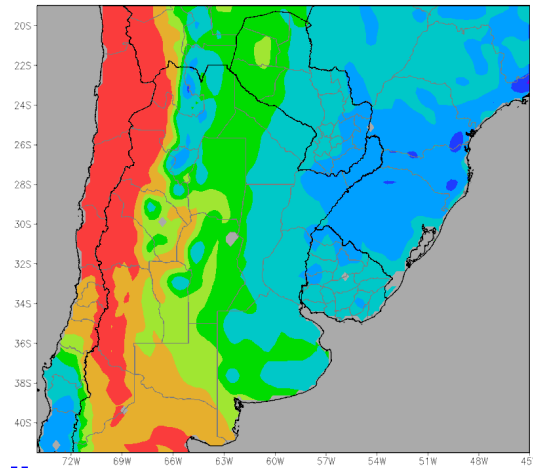


Prepared by the Joint Agricultural Weather Facility
Source: Ropelewski and Halpert, 1989. Journal of Climate, (2) p. 268-284.



Prepared by the Joint Agricultural Weather Facility
Source: Halpert and Ropelewski, 1992. Journal of Climate, (5) p. 577-593.

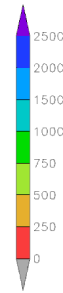
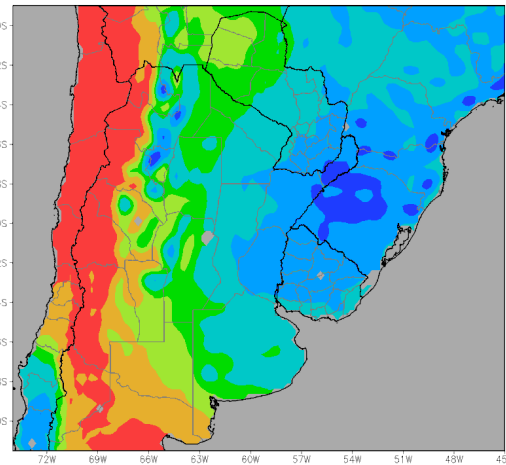
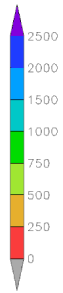
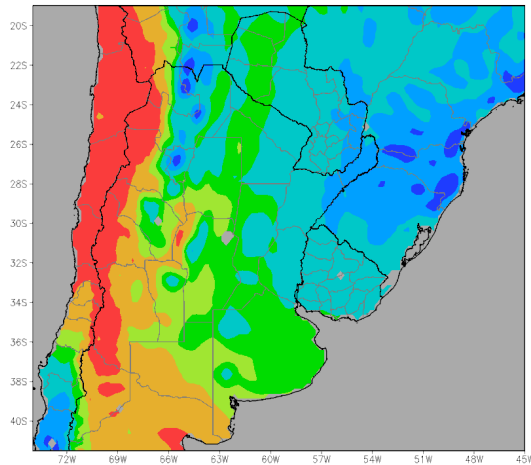
PRECIPITACION POR CAMPAÑA (mm)



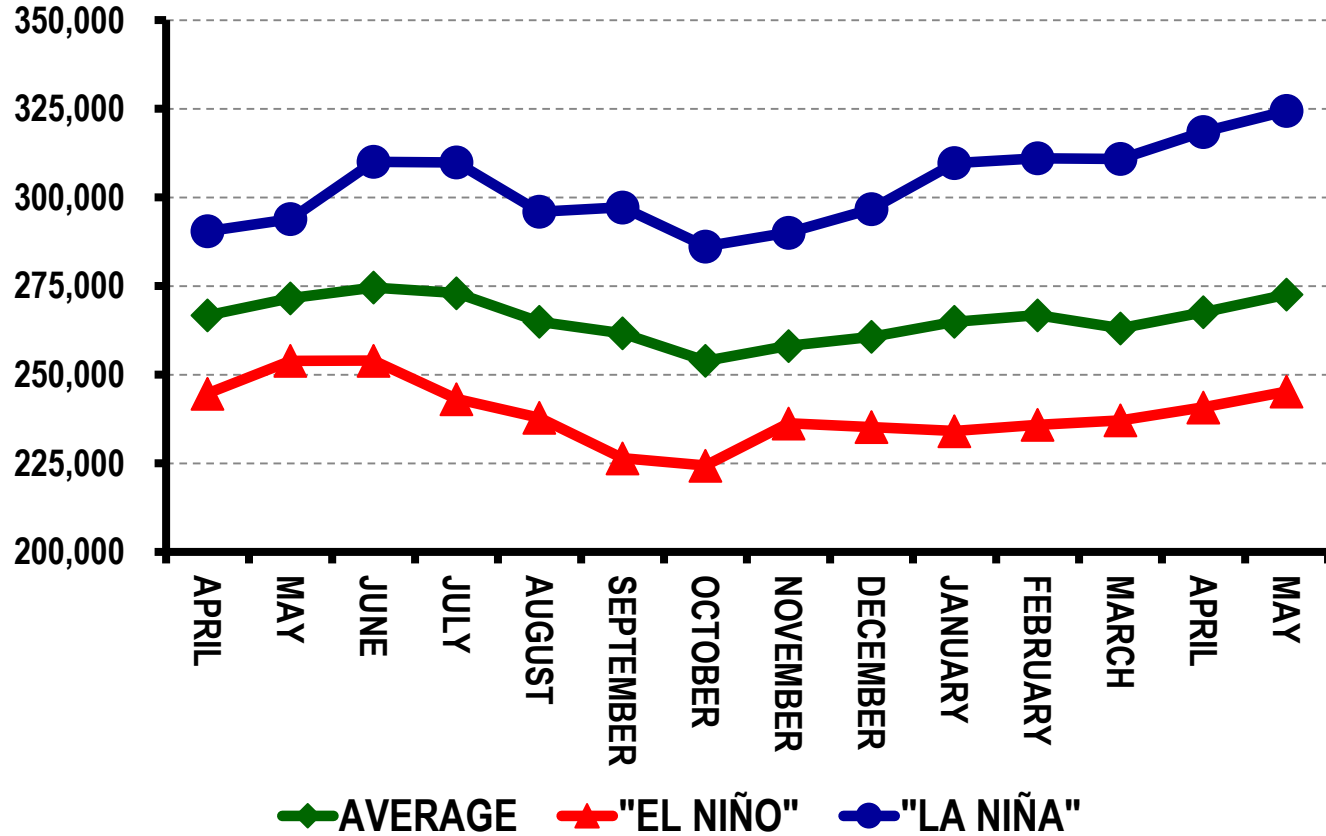
“NEUTRAL”

“LA NIÑA”

“EL NIÑO”

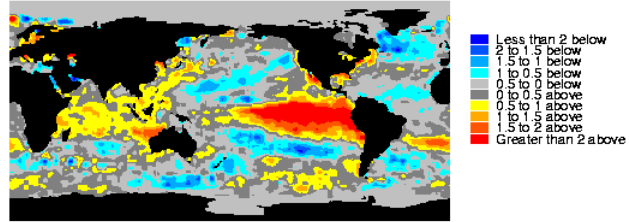


PRECIO SOJA CHICAGO 1982/83 - 2011/2012 (U\$S Corrientes)



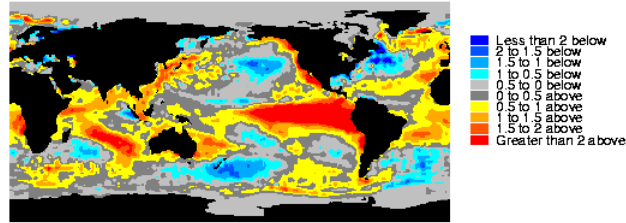
QUÉ HIZO "EL NIÑO 2015/2016"

Variation of Sea-surface Temperature from Average December 1982



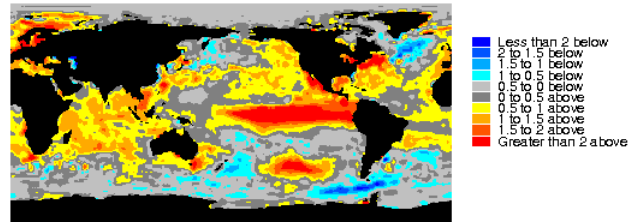
www.LongPaddock.qld.gov.au

Variation of Sea-surface Temperature from Average December 1997



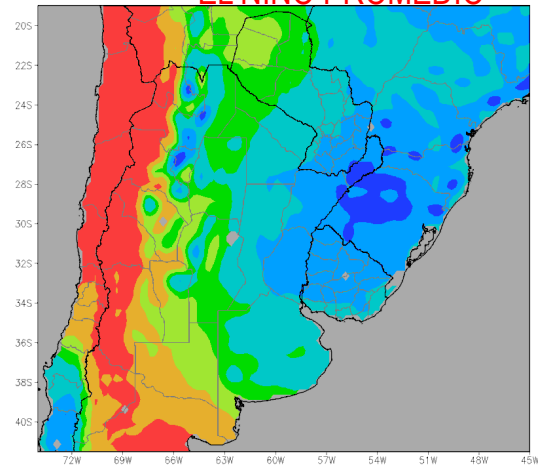
www.LongPaddock.qld.gov.au

Variation of Sea-surface Temperature from Average December 2015

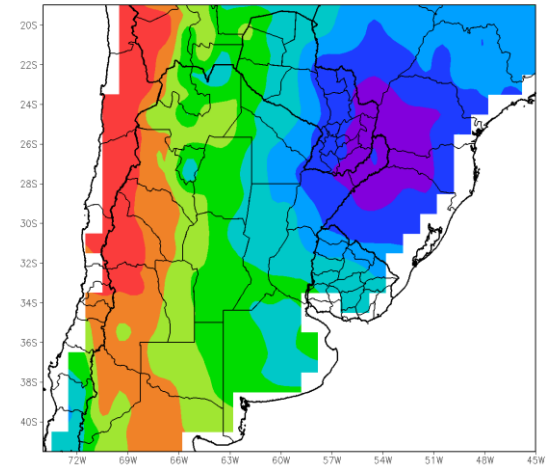


www.LongPaddock.qld.gov.au

"EL NIÑO PROMEDIO"

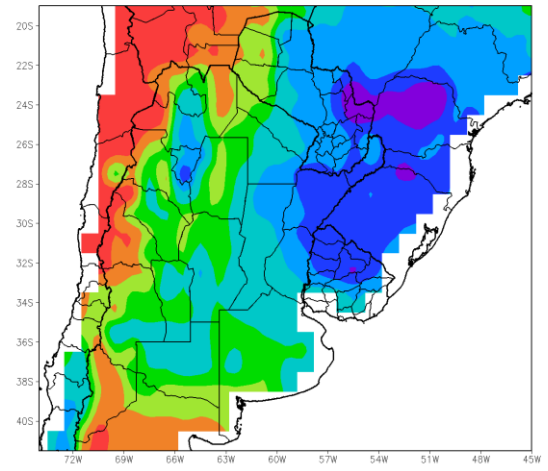
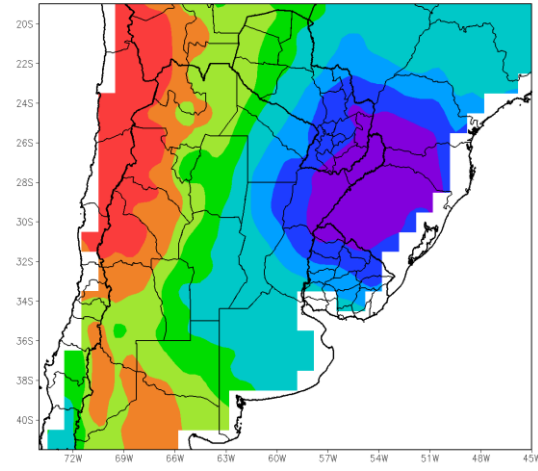


PRECIPITACION OBSERVADA CAMPANA 1982/1983



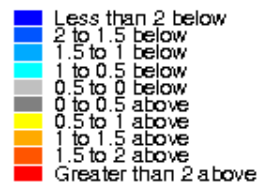
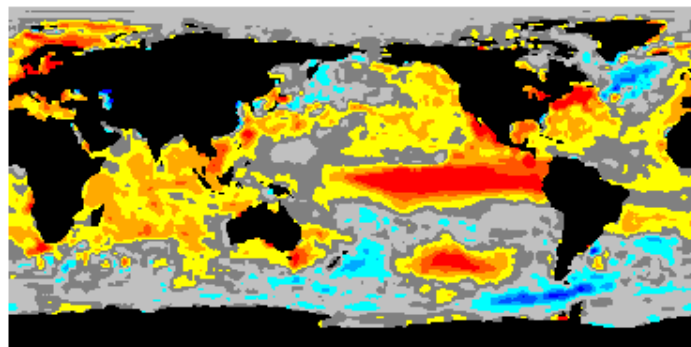
PRECIPITACION OBSERVADA CAMPANA 1997/1998

PRECIPITACION OBSERVADA CAMPANA 2015/2016



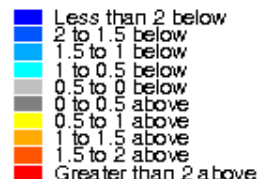
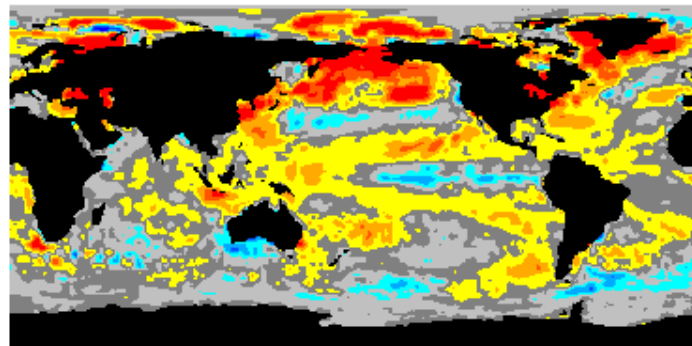
*CÓMO EVOLUCIONA EL SISTEMA
CLIMÁTICO?!*

Variation of Sea-surface Temperature from Average December 2015



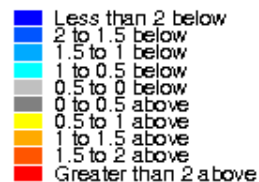
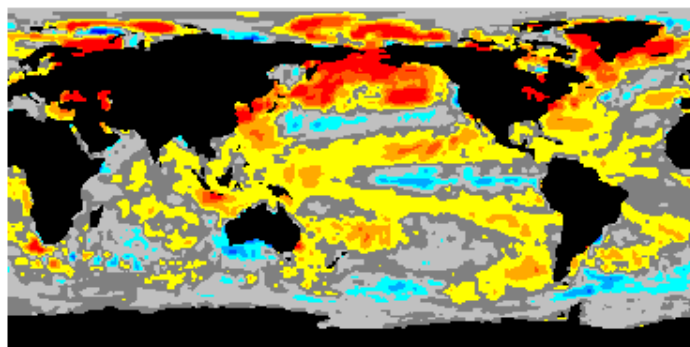
www.LongPaddock.qld.gov.au

Variation of Sea-surface Temperature from Average August 2016



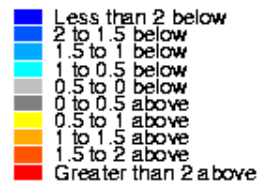
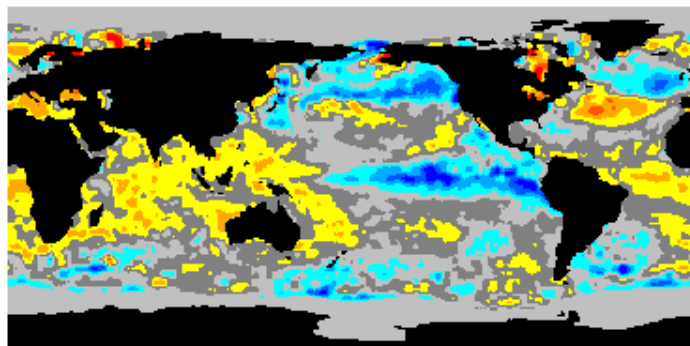
www.LongPaddock.qld.gov.au

Variation of Sea-surface Temperature from Average August 2016

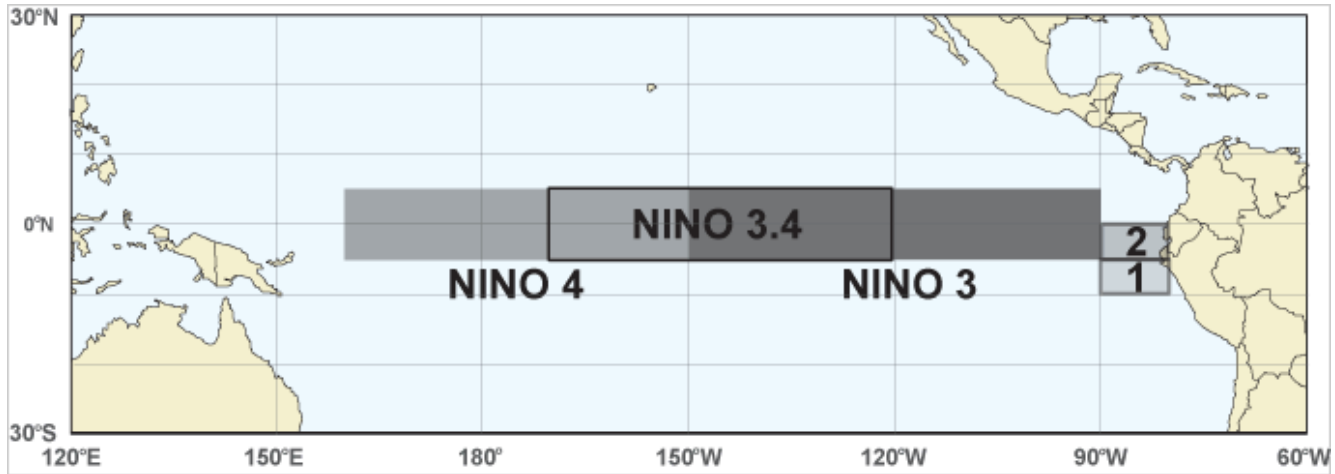


www.LongPaddock.qld.gov.au

Variation of Sea-surface Temperature from Average August 1988

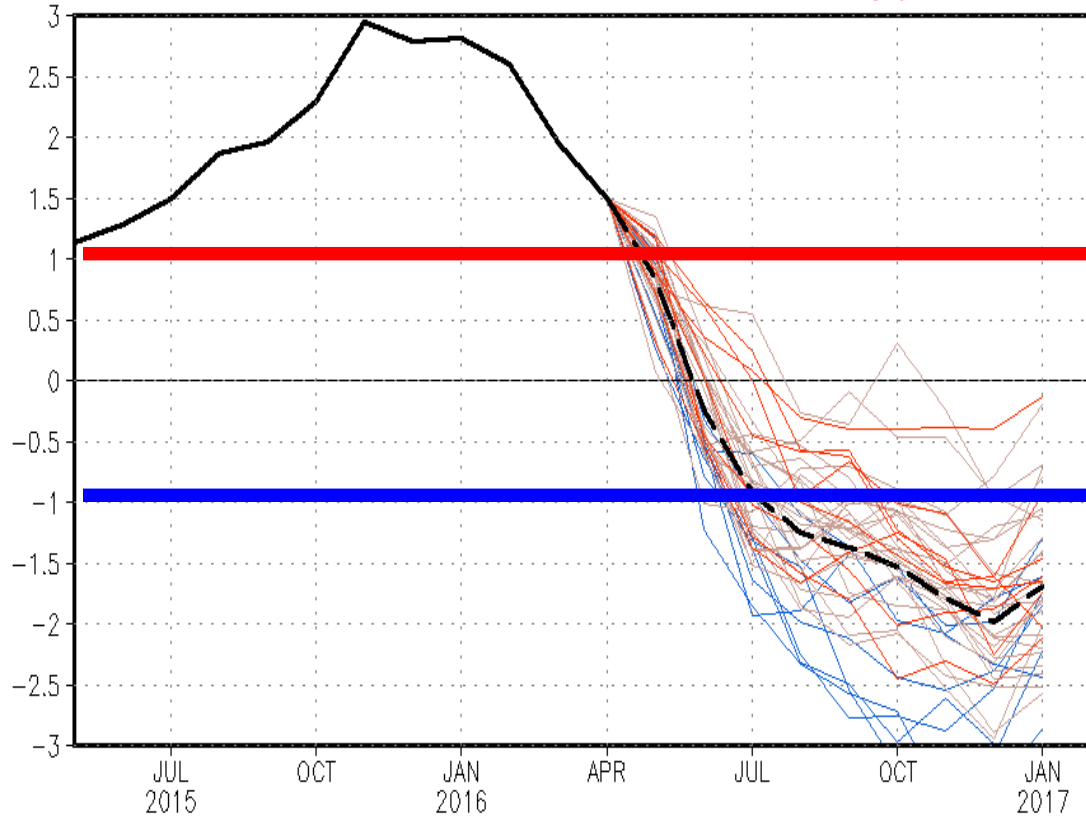


www.LongPaddock.qld.gov.au

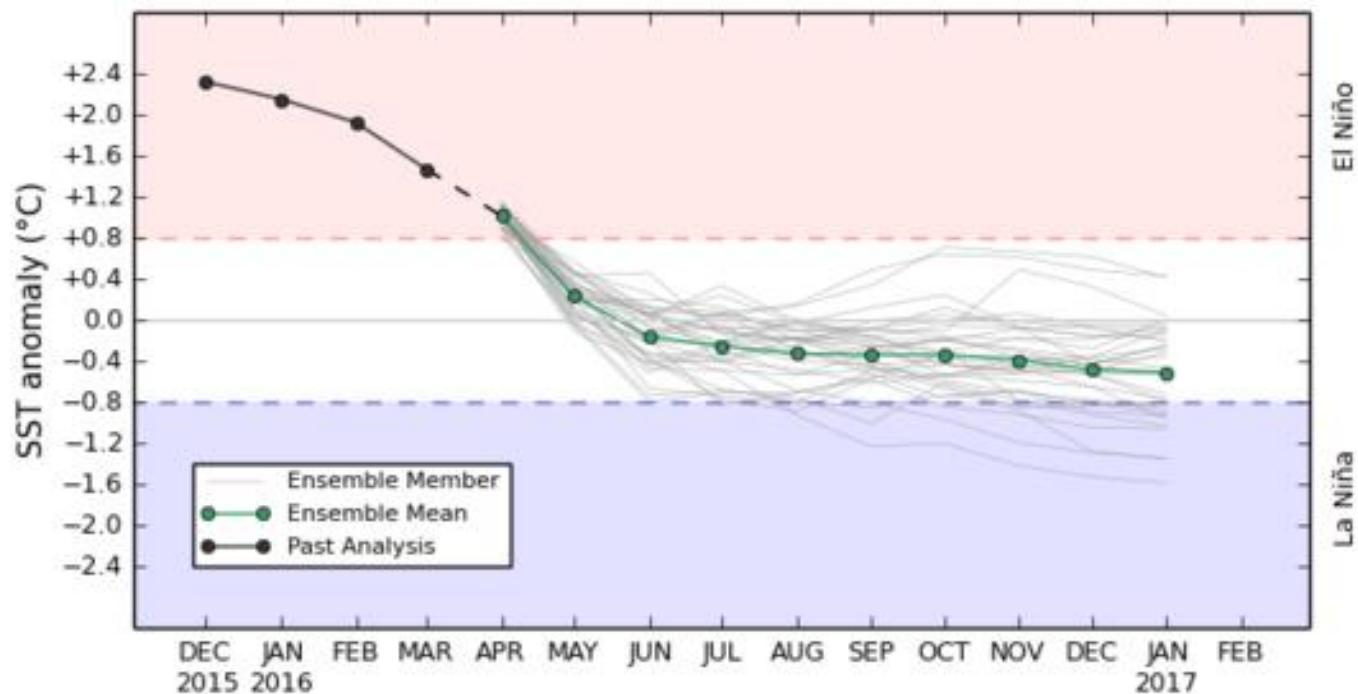




CFSv2 forecast Nino3.4 SST anomalies (K)

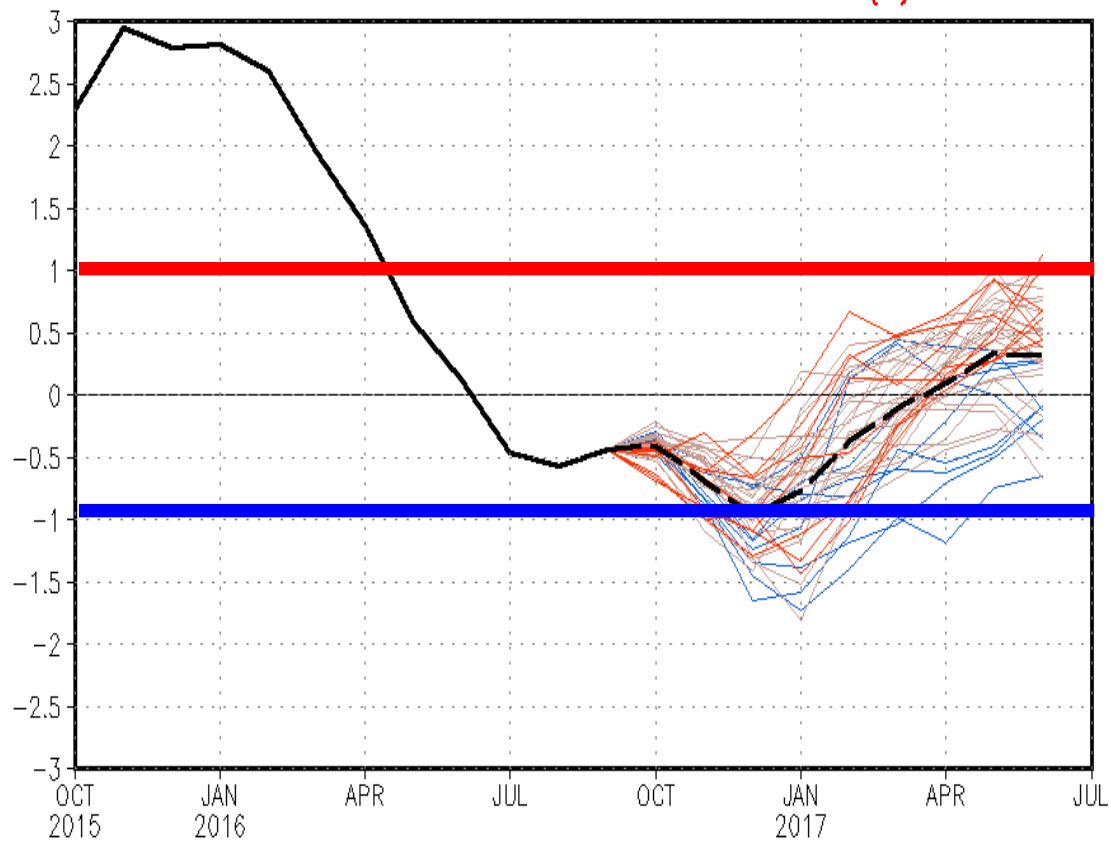


POAMA monthly mean NINO34 - Forecast Start: 10 APR 2016

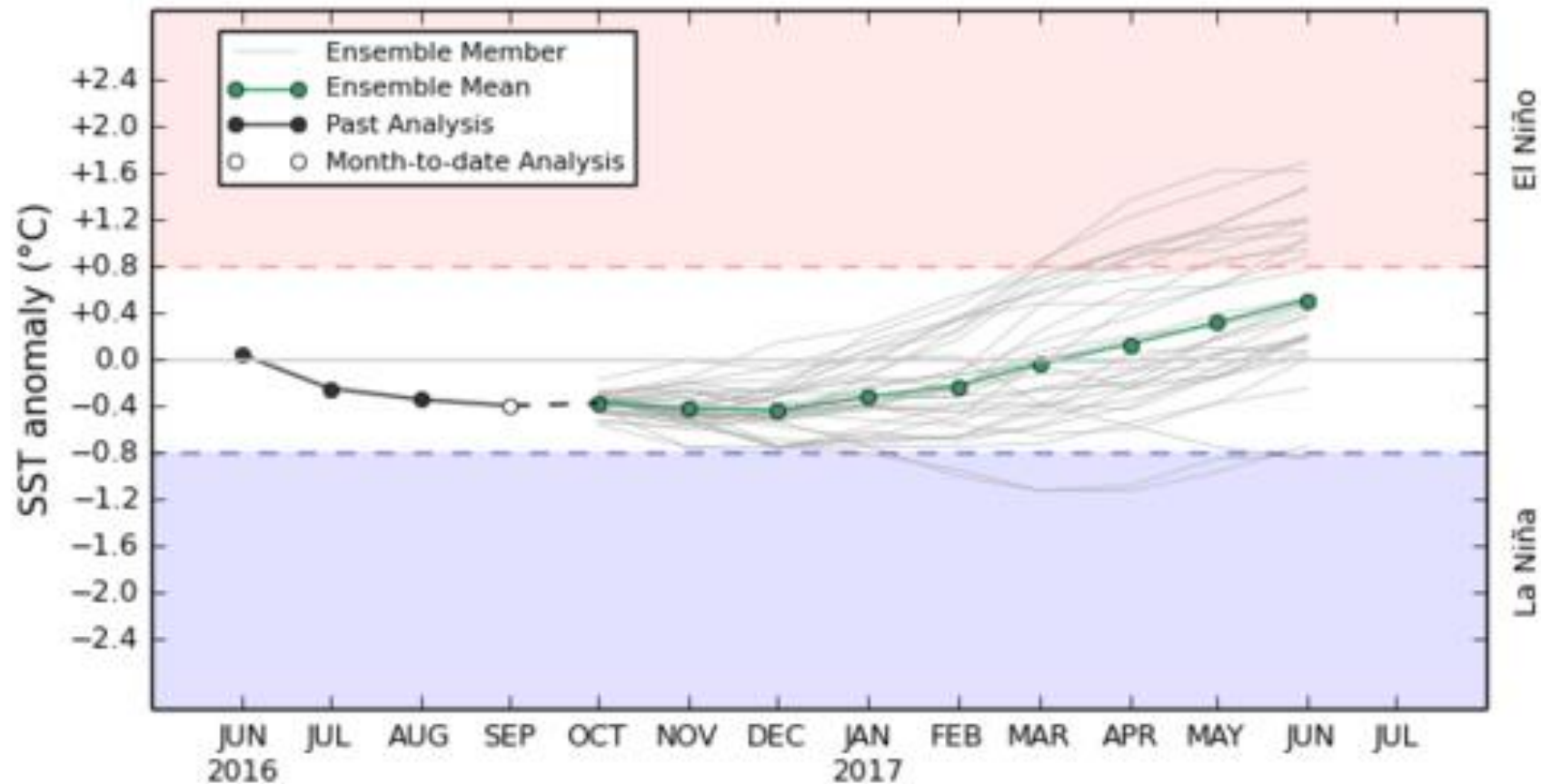




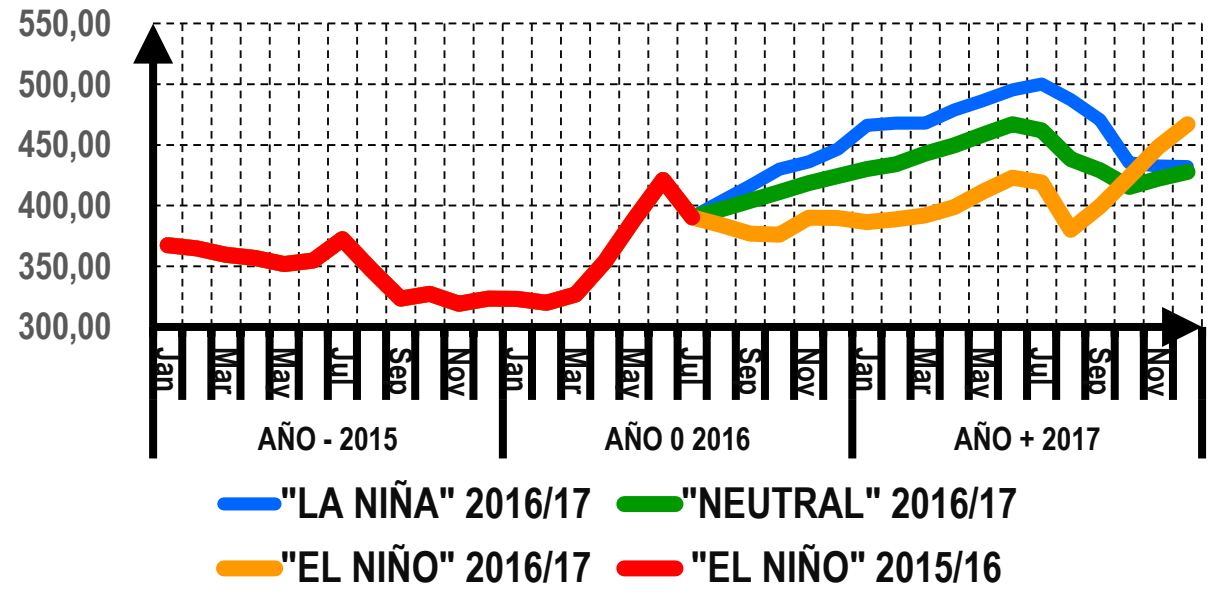
CFSv2 forecast Nino3.4 SST anomalies (K)



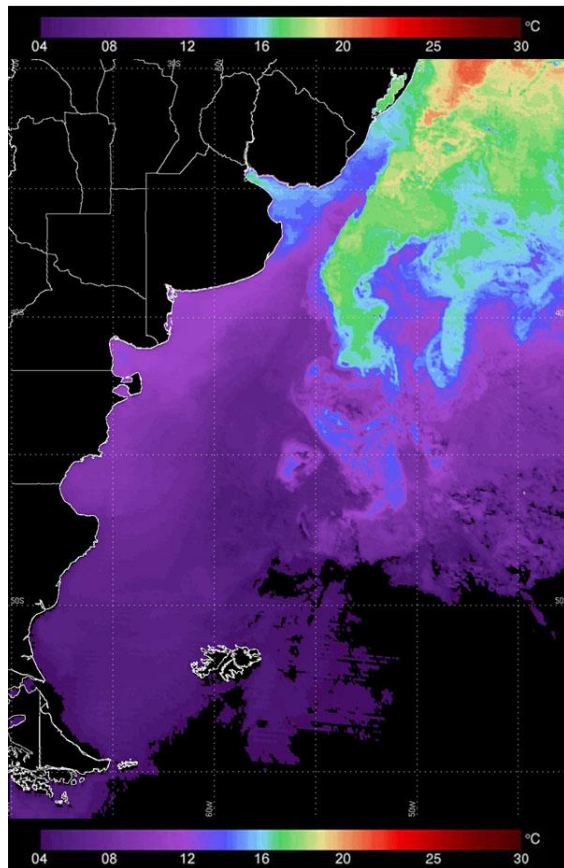
POAMA monthly mean NINO34 - Forecast Start: 25 SEP 2016



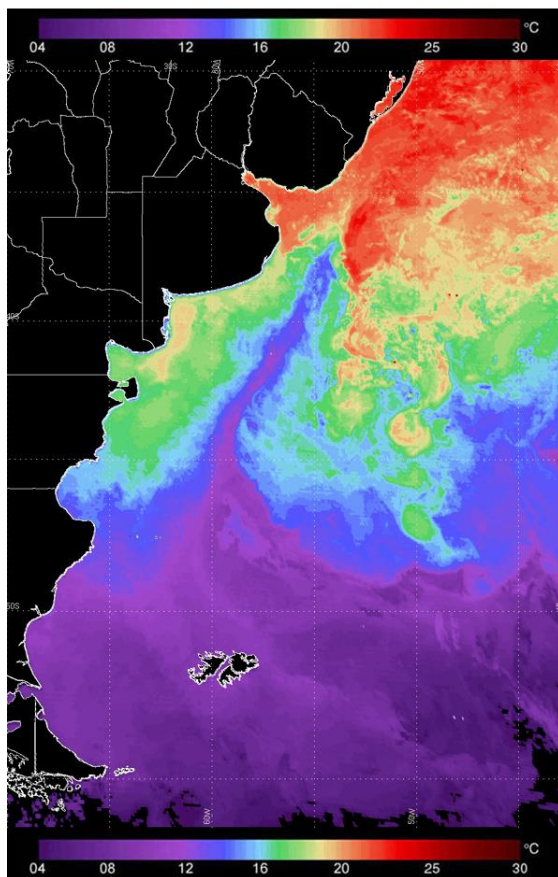
POSIBLES ESCENARIOS PARA LA EVOLUCIÓN DEL PRECIO DE LA SOJA (U\$/Ton) DURANTE LA CAMPAÑA AGRÍCOLA 2016/17



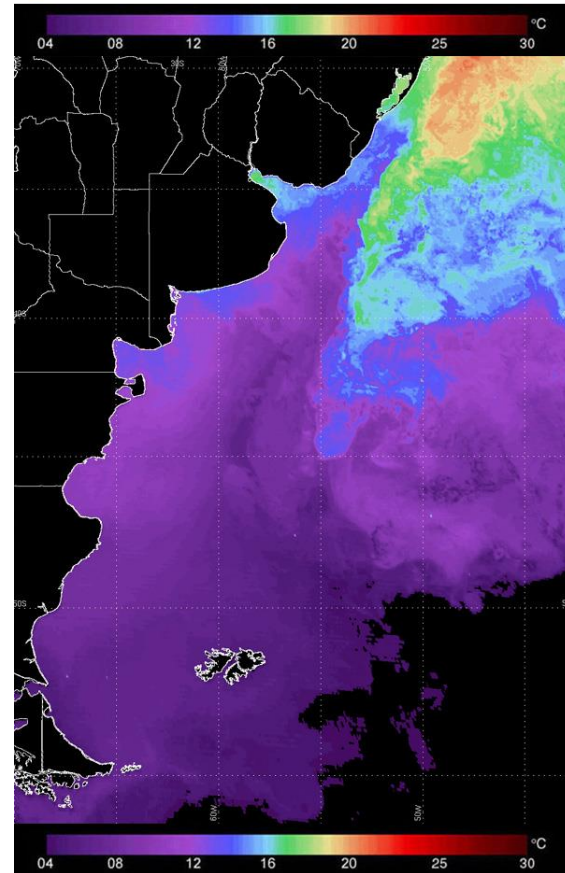
2da. Quincena - Septiembre 2015



1ra. Quincena - Abril 2016

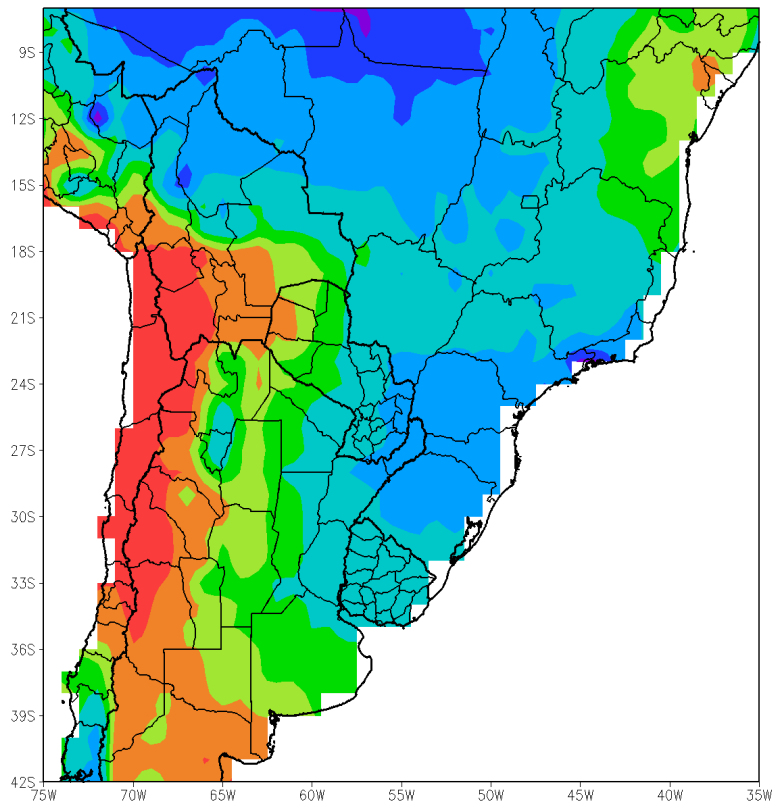


2da. Quincena - Septiembre 2016

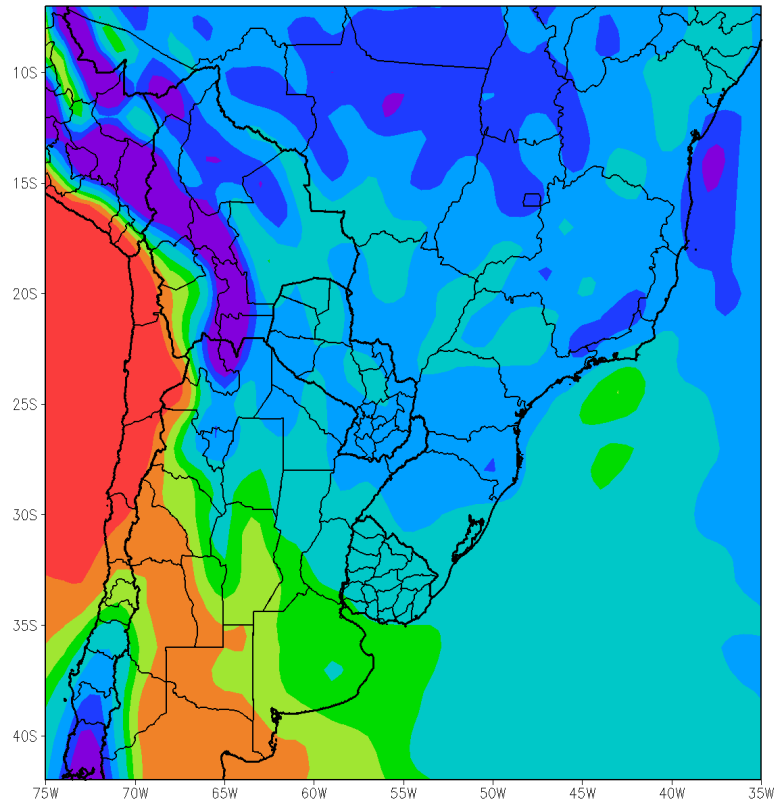


QUÉ LIMITACIONES HÍDRICAS
OBSERVARÁ EL CONO SUR
DURANTE LA CAMPAÑA
2016/2017?!

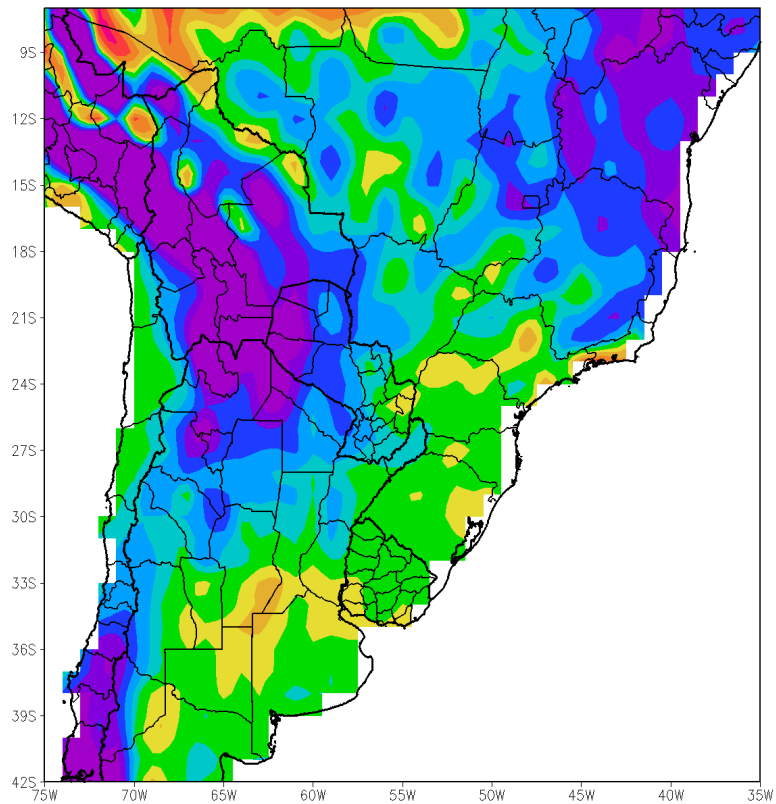
PRECIPITACION MEDIA CAMPANA AGRICOLA
Promedio 2006/2007 – 2015/2016 (mm)



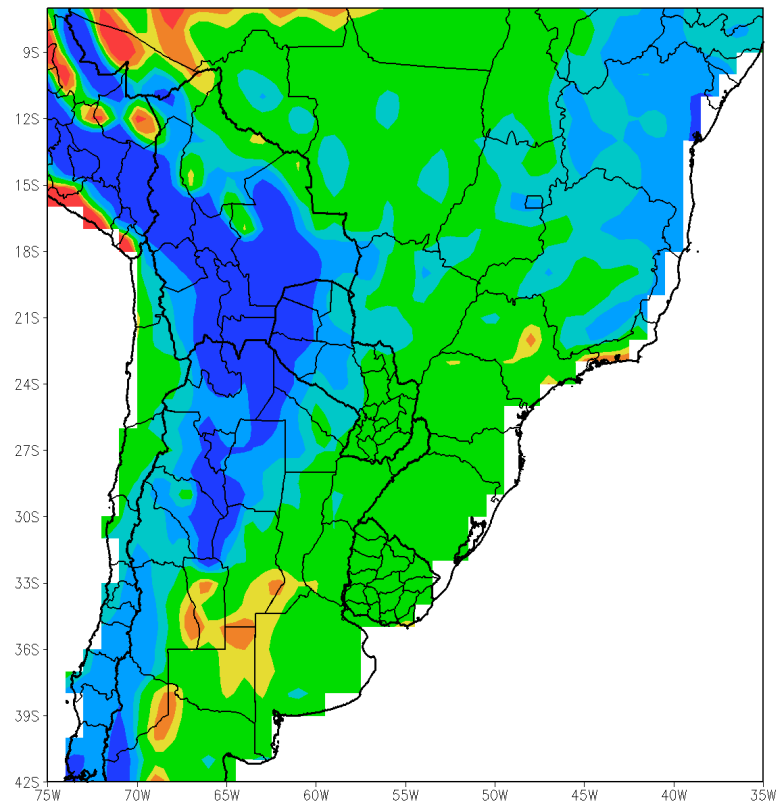
PRECIPITACION PREVISTA CAMPANA 2016/2017
Valor Acumulado (mm)



PRECIPITACION PREVISTA CAMPANA 2016/2017
Anomalia Absoluta (mm)

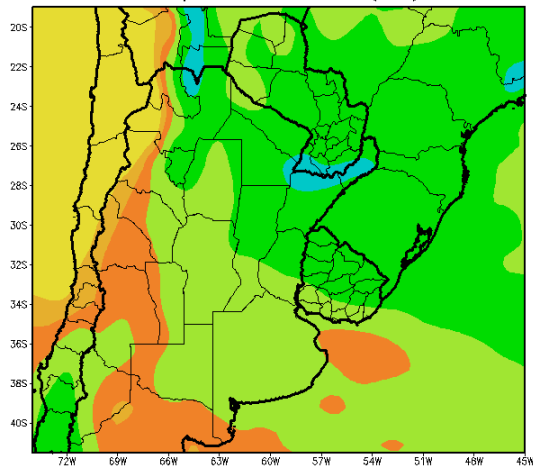


PRECIPITACION PREVISTA CAMPANA 2016/2017
Desvio Normalizado (z)

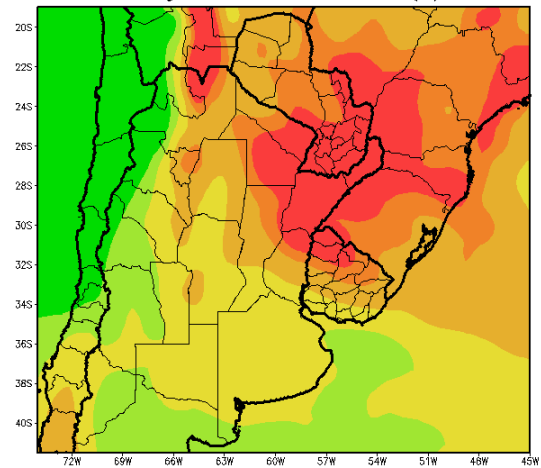


*PERSPECTIVA REGIONAL GRAL
2016/2017*

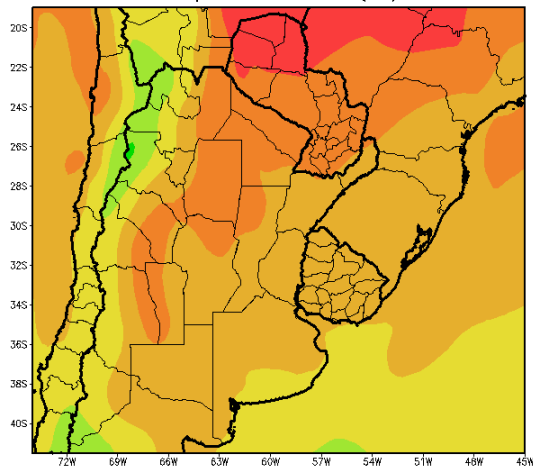
PERSPECTIVA CLIMATICA 2016 10
Precipitacion Acumulada (mm)



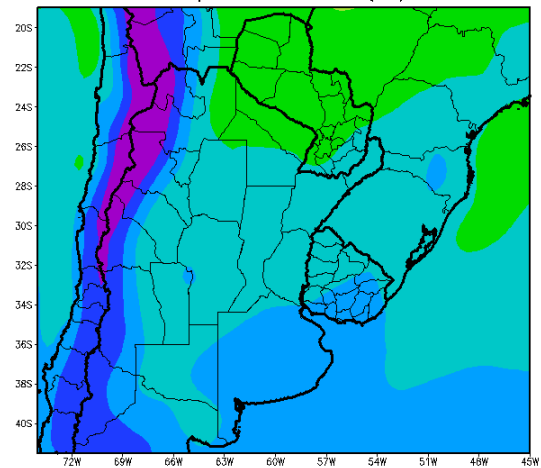
PERSPECTIVA CLIMATICA 2016 10
Riesgo de Tormentas Severas (%)



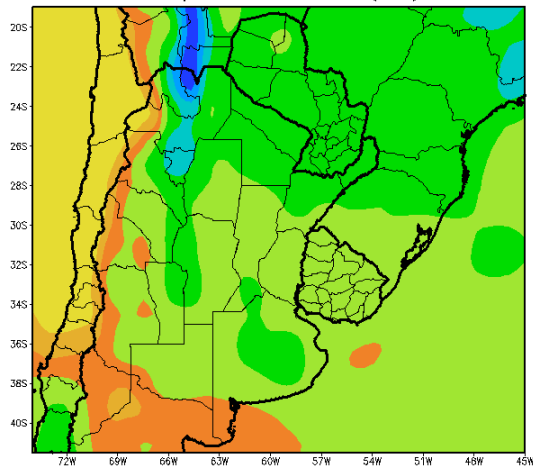
PERSPECTIVA CLIMATICA 2016 10
Temperatura Maxima (GC)



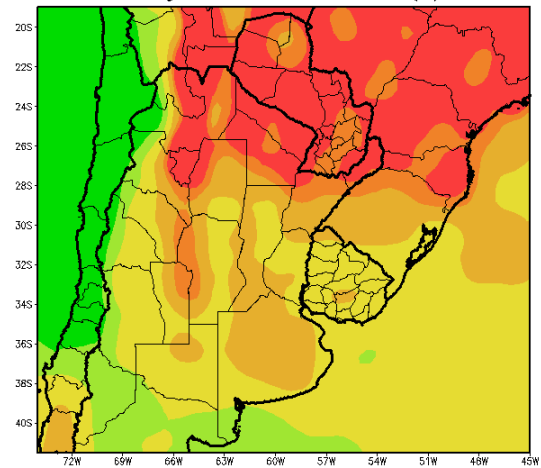
PERSPECTIVA CLIMATICA 2016 10
Temperatura Minima (GC)



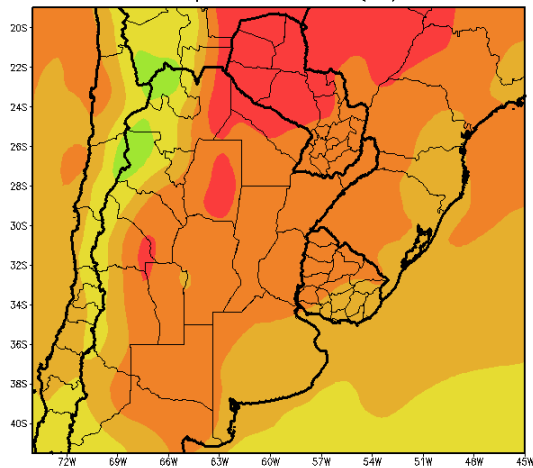
PERSPECTIVA CLIMATICA 2016 11
Precipitacion Acumulada (mm)



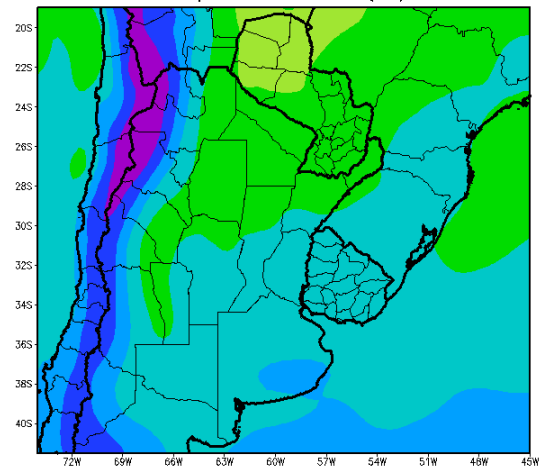
PERSPECTIVA CLIMATICA 2016 11
Riesgo de Tormentas Severas (%)



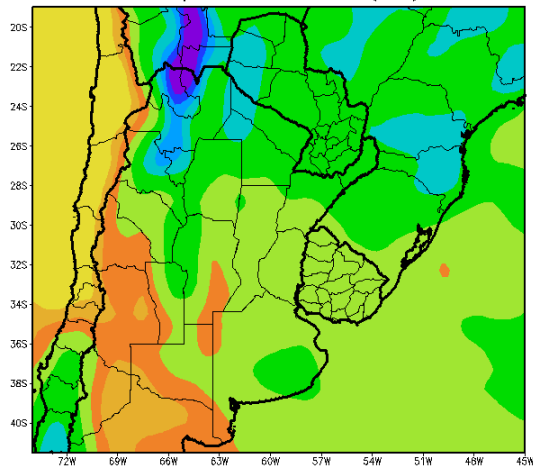
PERSPECTIVA CLIMATICA 2016 11
Temperatura Maxima (GC)



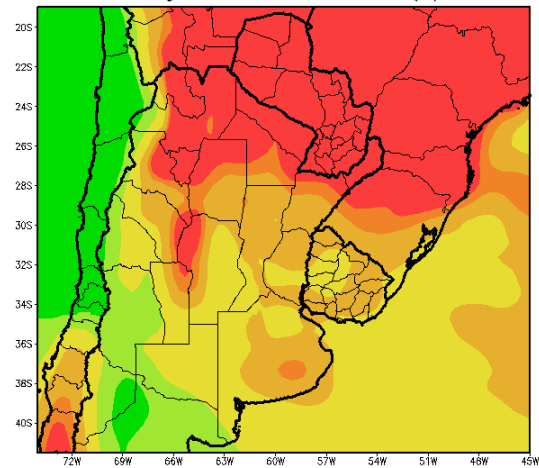
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Temperatura Minima (GC)



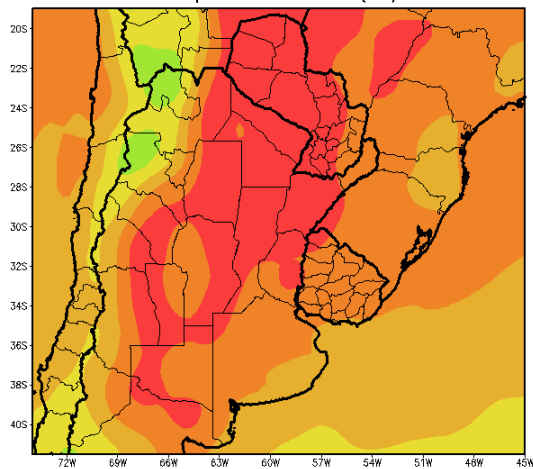
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Precipitacion Acumulada (mm)



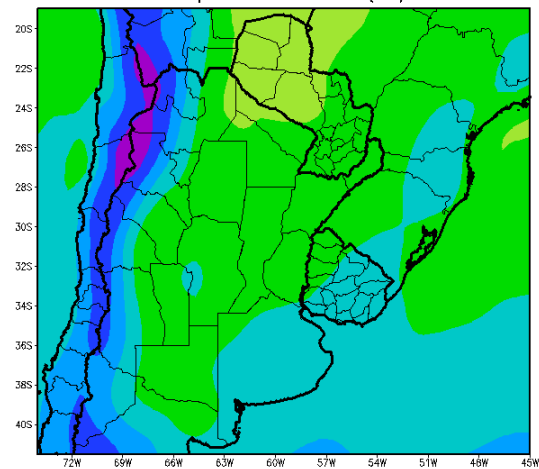
PERSPECTIVA CLIMATICA 2016 12
Riesgo de Tormentas Severas (%)



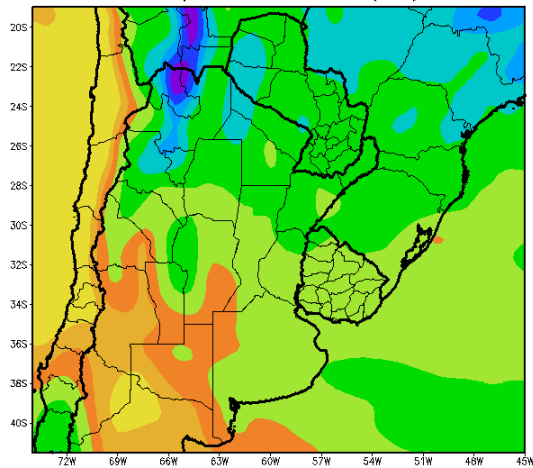
PERSPECTIVA CLIMATICA 2016 12
Temperatura Maxima (GC)



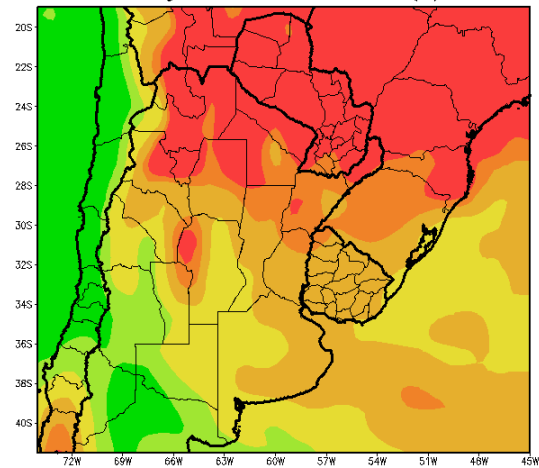
PERSPECTIVA CLIMATICA 2016 12
Temperatura Minima (GC)



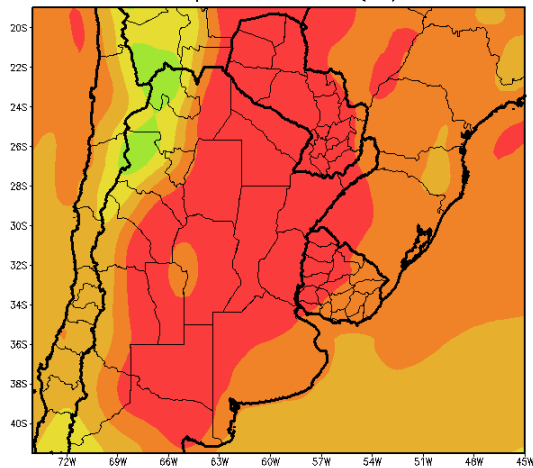
PERSPECTIVA CLIMATICA 2017 1
Precipitacion Acumulada (mm)



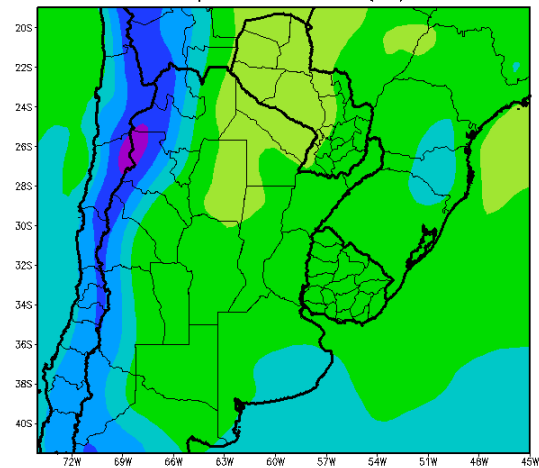
PERSPECTIVA CLIMATICA 2017 1
Riesgo de Tormentas Severas (%)



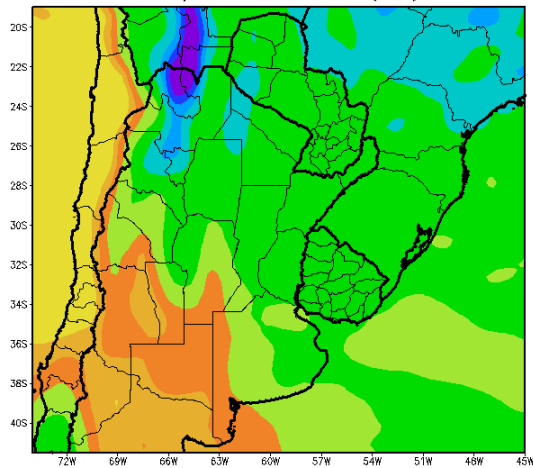
PERSPECTIVA CLIMATICA 2017 1
Temperatura Maxima (GC)



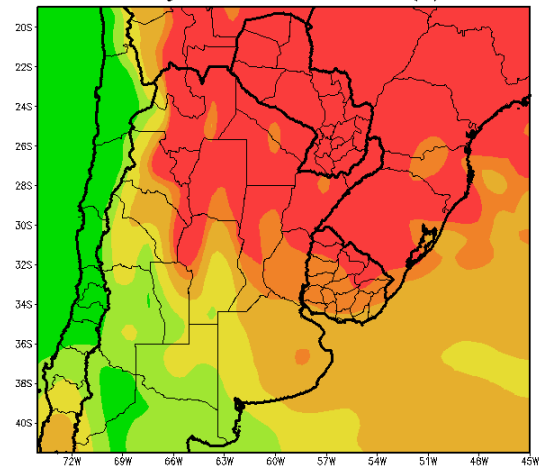
PERSPECTIVA CLIMATICA 2017 1
Temperatura Minima (GC)



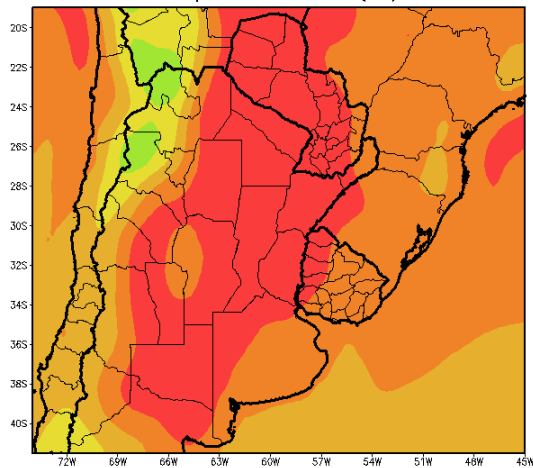
PERSPECTIVA CLIMATICA 2017 2
Precipitacion Acumulada (mm)



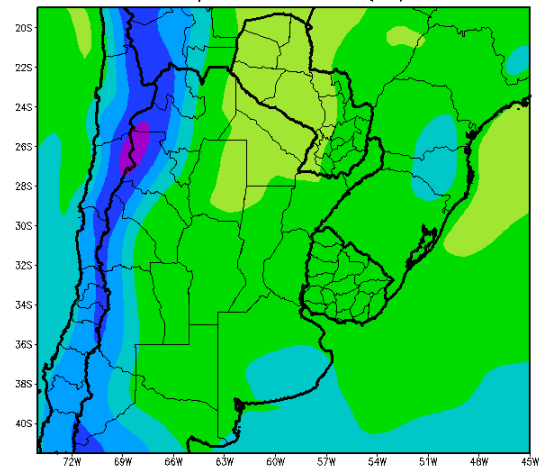
PERSPECTIVA CLIMATICA 2017 2
Riesgo de Tormentas Severas (%)



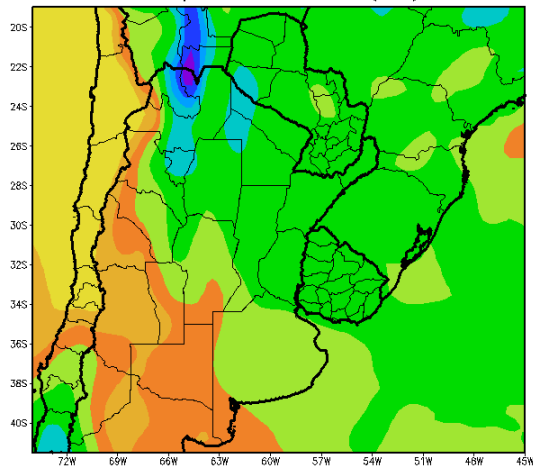
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Temperatura Maxima (GC)



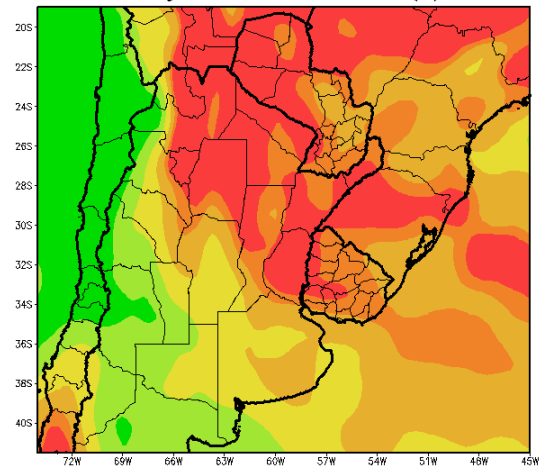
PERSPECTIVA CLIMATICA 2017 2
Temperatura Minima (GC)



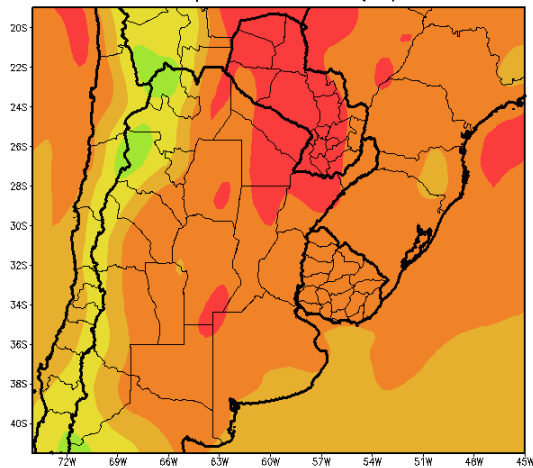
PERSPECTIVA CLIMATICA 2017 3
Precipitacion Acumulada (mm)



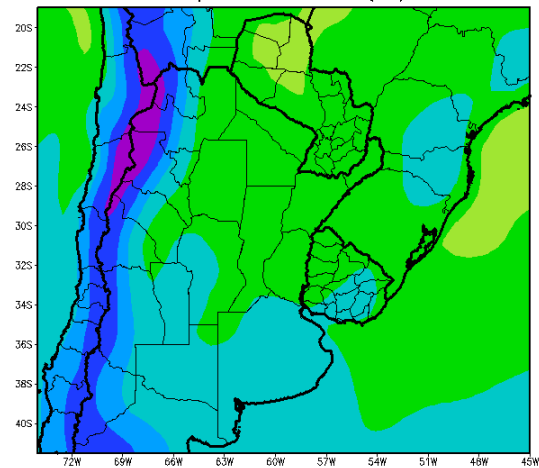
PERSPECTIVA CLIMATICA 2017 3
Riesgo de Tormentas Severas (%)



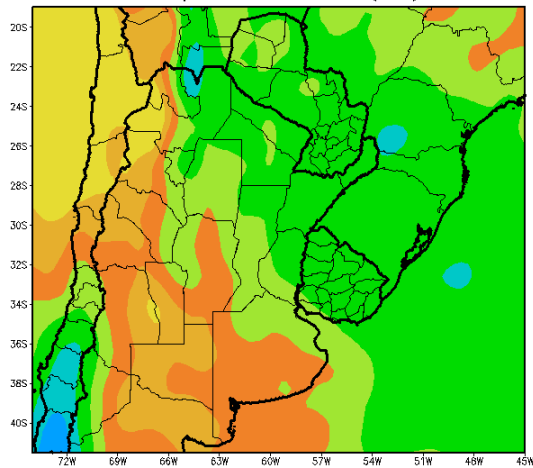
PERSPECTIVA CLIMATICA 2017 3
Temperatura Maxima (GC)



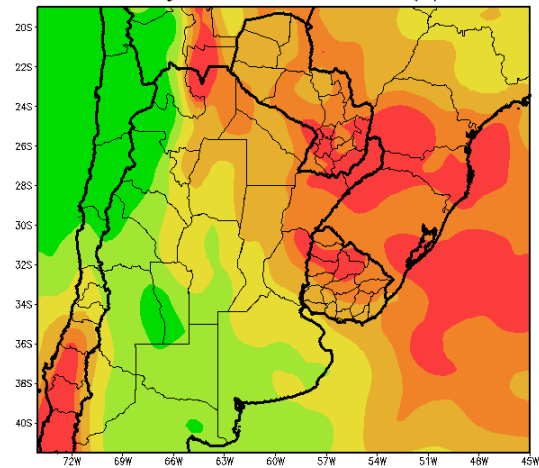
PERSPECTIVA CLIMATICA 2017 3
Temperatura Minima (GC)



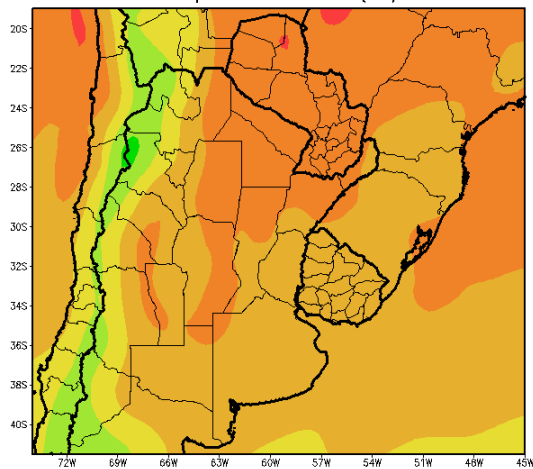
PERSPECTIVA CLIMATICA 2017 4
Precipitacion Acumulada (mm)



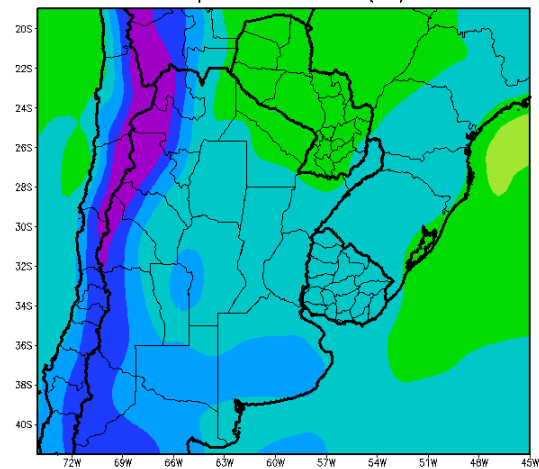
PERSPECTIVA CLIMATICA 2017 4
Riesgo de Tormentas Severas (%)



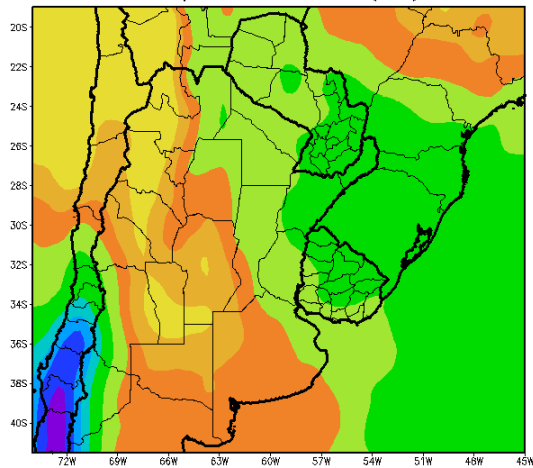
PERSPECTIVA CLIMATICA 2017 4
Temperatura Maxima (GC)



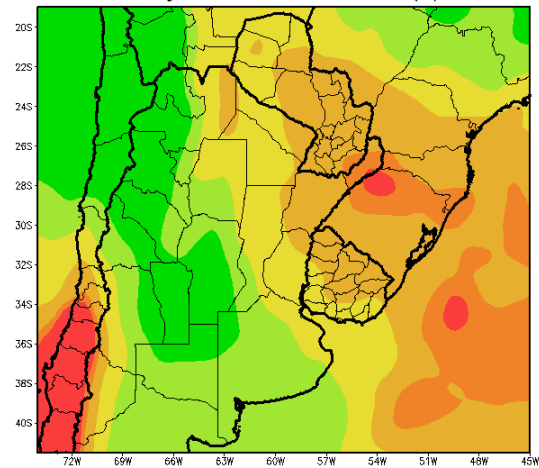
PERSPECTIVA CLIMATICA 2017 4
Temperatura Minima (GC)



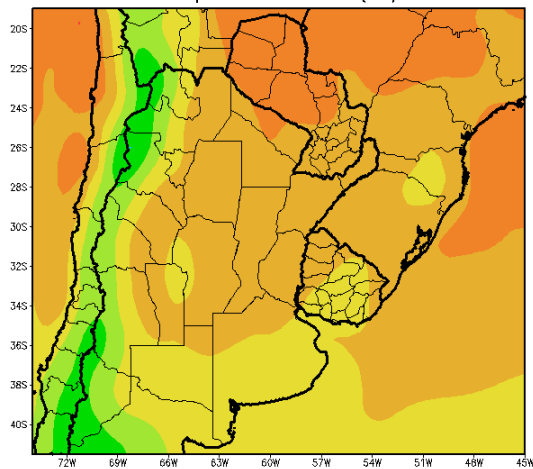
PERSPECTIVA CLIMATICA 2017 5
Precipitacion Acumulada (mm)



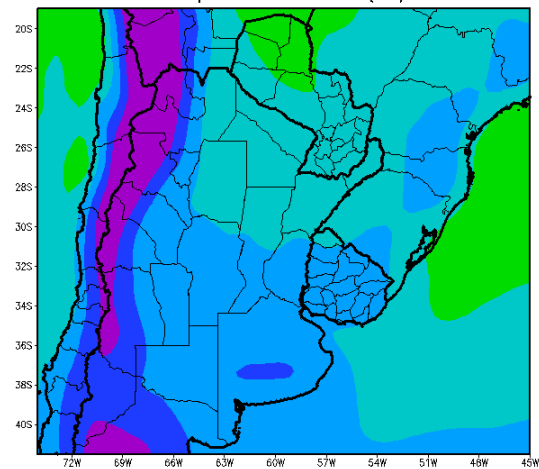
PERSPECTIVA CLIMATICA 2017 5
Riesgo de Tormentas Severas (%)



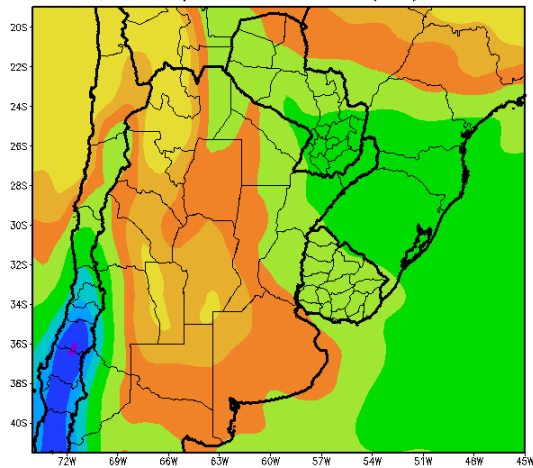
PERSPECTIVA CLIMATICA 2017 5
Temperatura Maxima (GC)



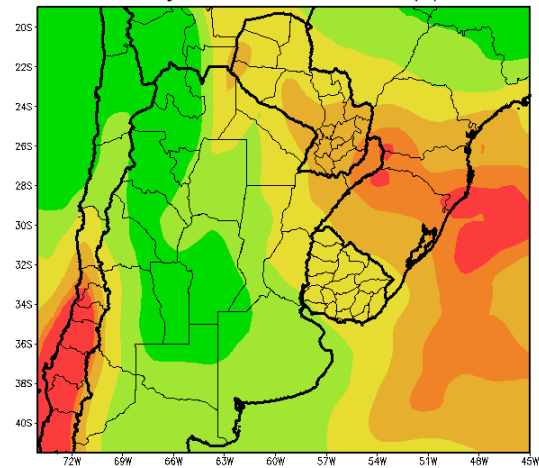
PERSPECTIVA CLIMATICA 2017 5
Temperatura Minima (GC)



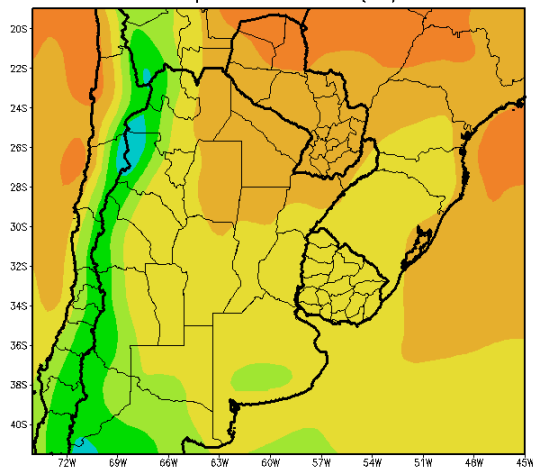
PERSPECTIVA CLIMATICA 2017 6
Precipitacion Acumulada (mm)



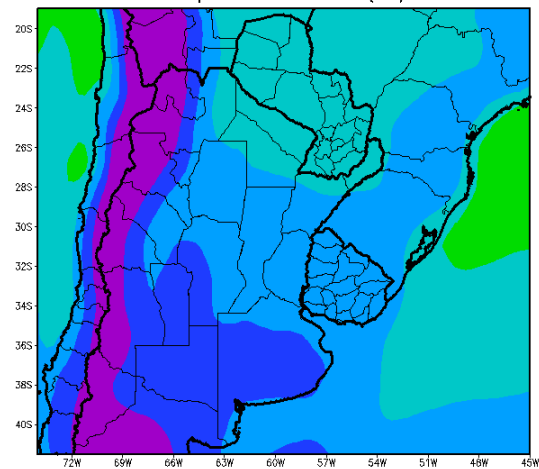
PERSPECTIVA CLIMATICA 2017 6
Riesgo de Tormentas Severas (%)



PERSPECTIVA CLIMATICA 2017 6
Temperatura Maxima (GC)



PERSPECTIVA CLIMATICA 2017 6
Temperatura Minima (GC)



MUCHAS GRACIAS

POR SU ATENCION

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