

OCT  
2015

International Research Institute for Climate and Society

# CLIMATE BRIEFING



## What you need to know.

**As of mid-October, the oceanic & atmospheric conditions** in the tropical Pacific indicate a strong El Niño, including a significantly warmed sea-surface temperature, marked weakening of trade winds and much above-average cloudiness and rainfall in east-central tropical Pacific. The coupling of the anomalous oceanic and atmospheric patterns helps ensure continuation and likely some slight further strengthening of El Niño over the coming 1–3 months.

**A new set of model runs indicates probability for El Niño at least 98%** from the October–December season in progress into early spring season of 2016, and at close to 75% for it to last through spring (lower chart on right). These probabilities are just slightly greater than those of the official ENSO forecast issued October 8, which used both models and human judgement.

**A strong majority of models suggests continuation,** and likely some slight further strengthening, of El Niño through later autumn. While precise forecasts of peak strength are not possible, this event appears **likely to be among the three strongest since 1950.**

## Tony's Take\*.

IRI Chief Climate Forecaster Anthony Barnston gives a video rundown of the climate briefing in under two minutes. Feel free to embed!

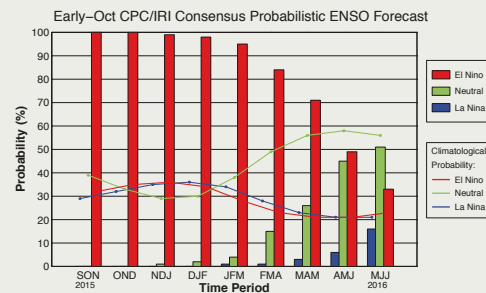


Link: <https://vimeo.com/142438132>\*

\*Video usually posted by Friday noon.

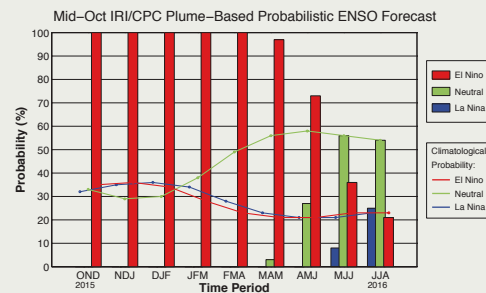
## This month's key graphic.

### Current Official ENSO forecast (issued Oct. 8)



NOAA's Climate Prediction Center and IRI jointly produce this forecast every second Thursday. It stands as the official consensus forecast for ENSO.

### Updated ENSO forecast (Oct. 15)



IRI and CPC issue an updated model-based ENSO forecast on the third Thursday of each month.

## Additional Resources.

### Powerpoint of this month's briefing:

[iri.columbia.edu/~tonyb/fctbriefingOct15.ppt](http://iri.columbia.edu/~tonyb/fctbriefingOct15.ppt)

### All of IRI's Forecasts:

[iri.columbia.edu/our-expertise/climate/forecasts/](http://iri.columbia.edu/our-expertise/climate/forecasts/)

### IRI's ENSO Map Room:

[iridl.ldeo.columbia.edu/maproom/ENSO/](http://iridl.ldeo.columbia.edu/maproom/ENSO/)

Email [media@iri.columbia.edu](mailto:media@iri.columbia.edu) to sign up for this bulletin

**ENSO questions?** Tweet @climatesociety w/ #ENSOQandA