

# 12ª reunião em 2025 da Sala de Acompanhamento da Bacia do Rio São Francisco

## Condições Observadas Prognóstico Climático DJF/25-26

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Meteorologista no INMET



Recife, 02 de dezembro de 2025.

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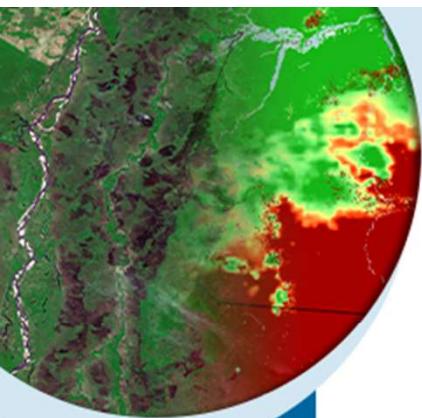


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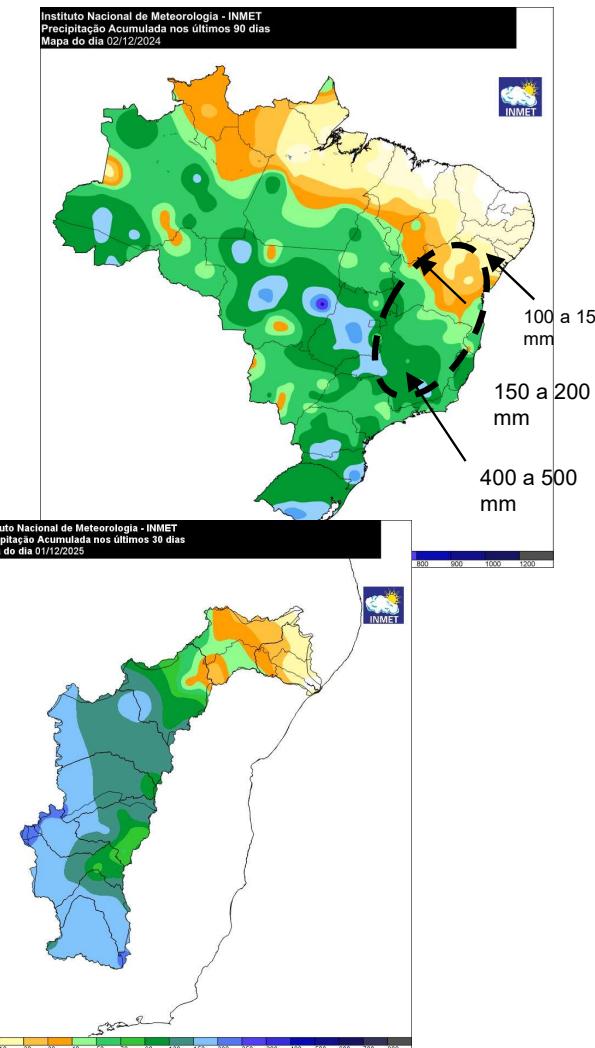
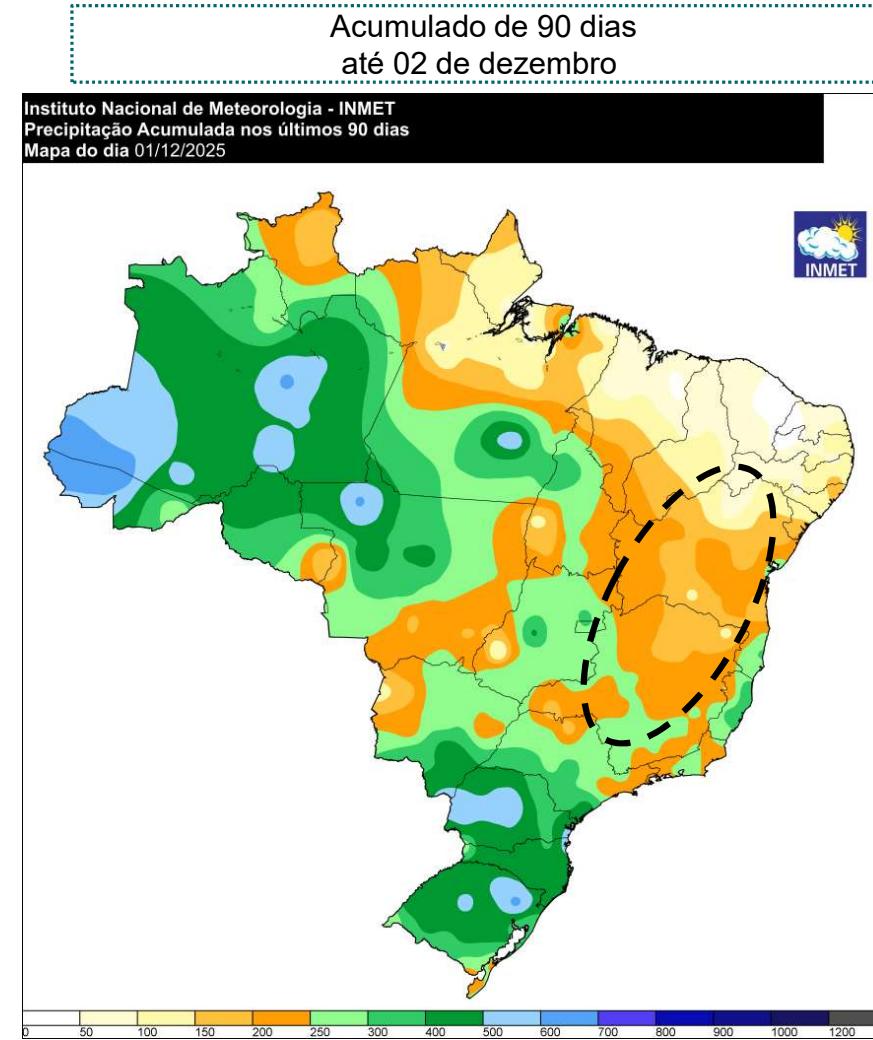
# Monitoramento da chuva em até NOVEMBRO/2025



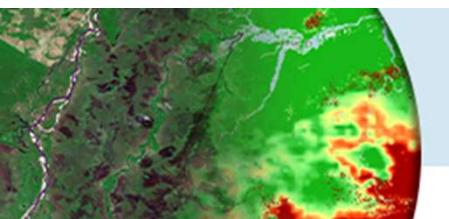
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# Previsão de Chuva (04/11 a 20/11) Parcialmente confirmada!



Modelo COSMO 7km - INMET  
TOTAL DE PRECIPITAÇÃO (mm) em 168 horas na bacia do rio São Francisco  
Entre os dias 04/11/2025 e 11/11/2025

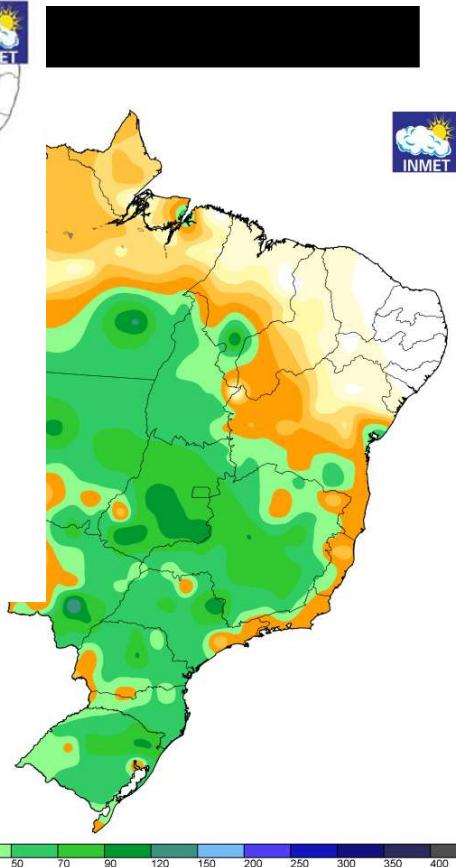


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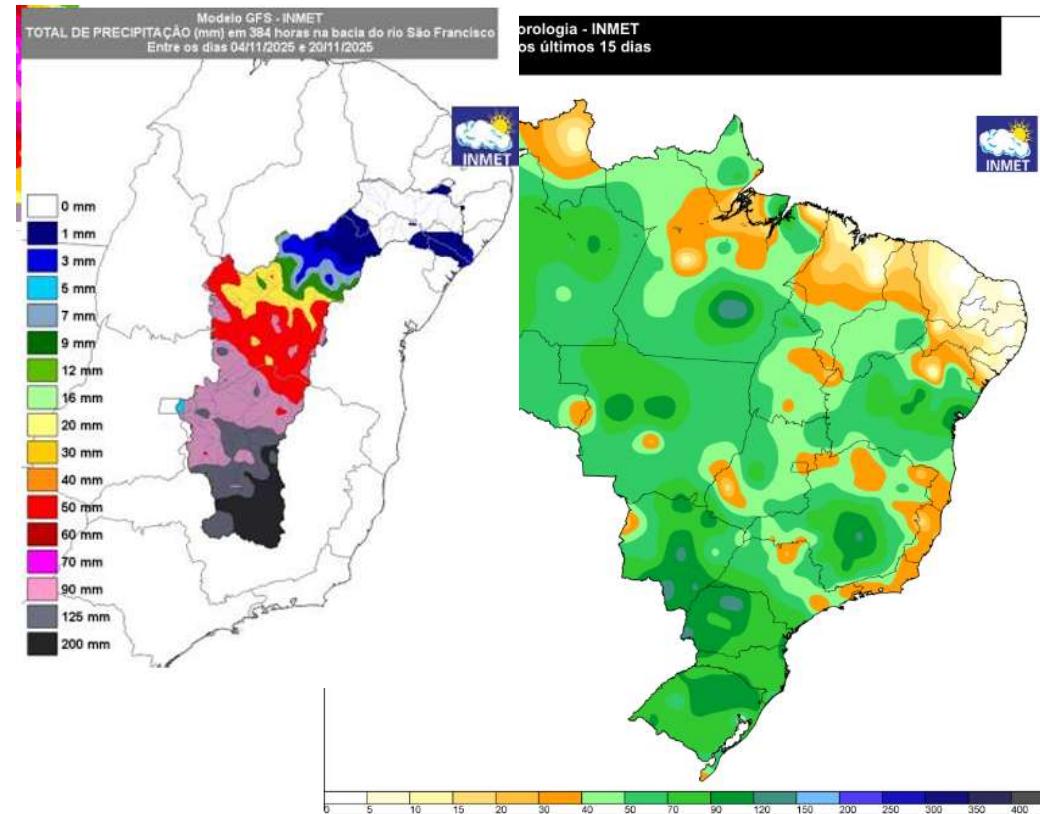
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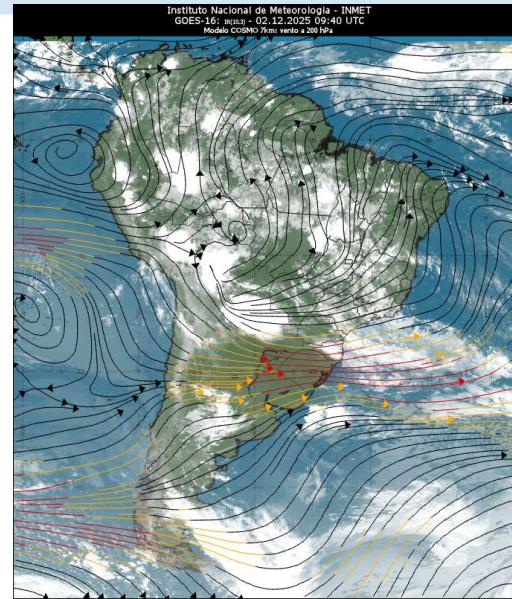
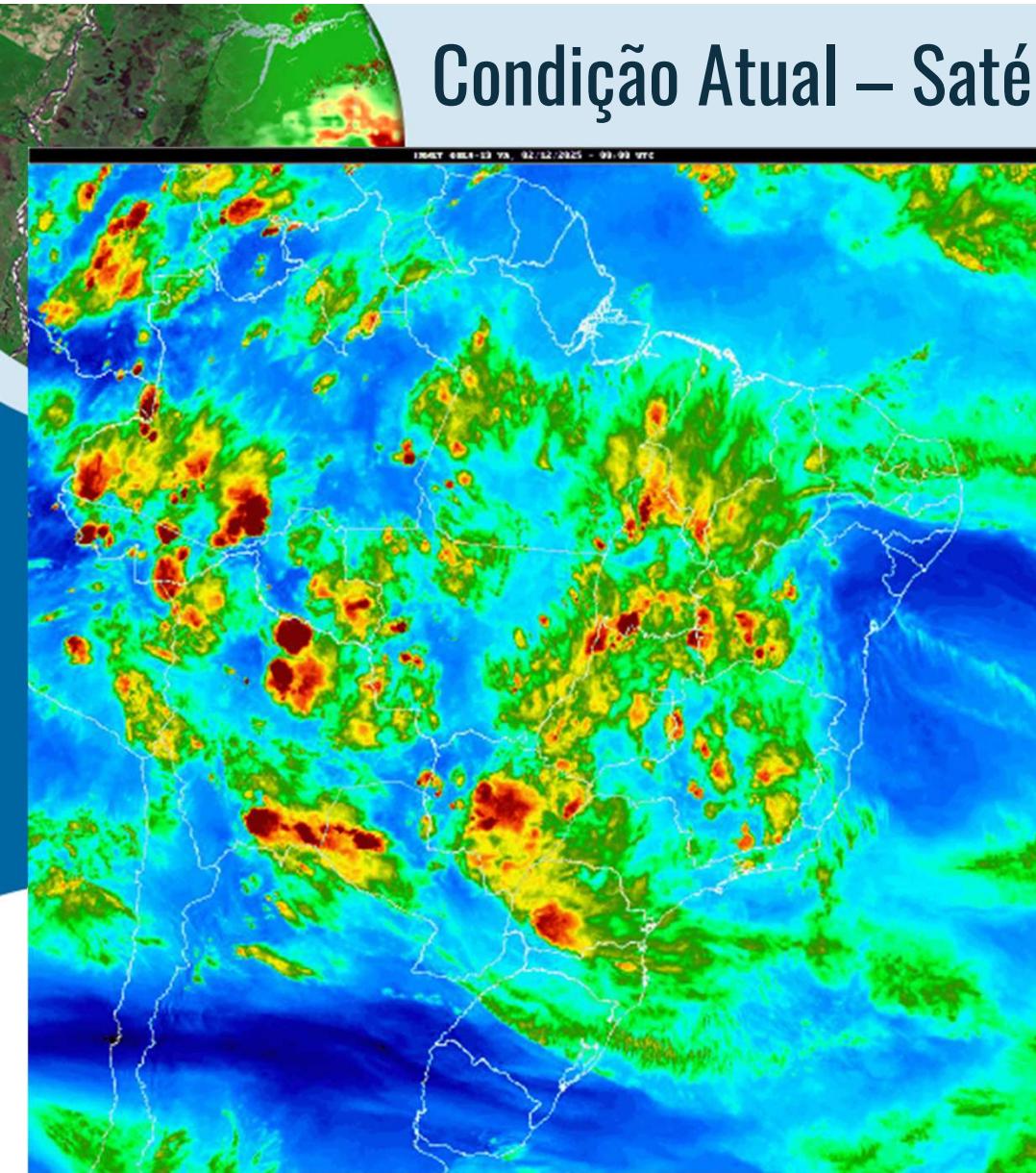
## MODELO COSMO



## MODELO GFS



# Condição Atual – Satélite



# Previsão de Tempo

# Previsão de Médio Prazo

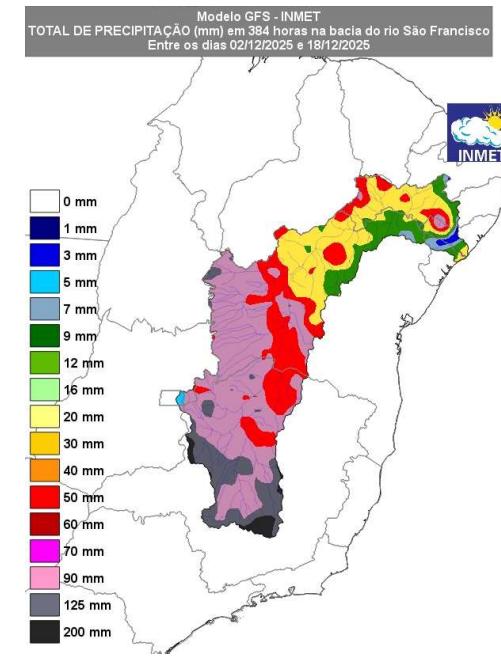
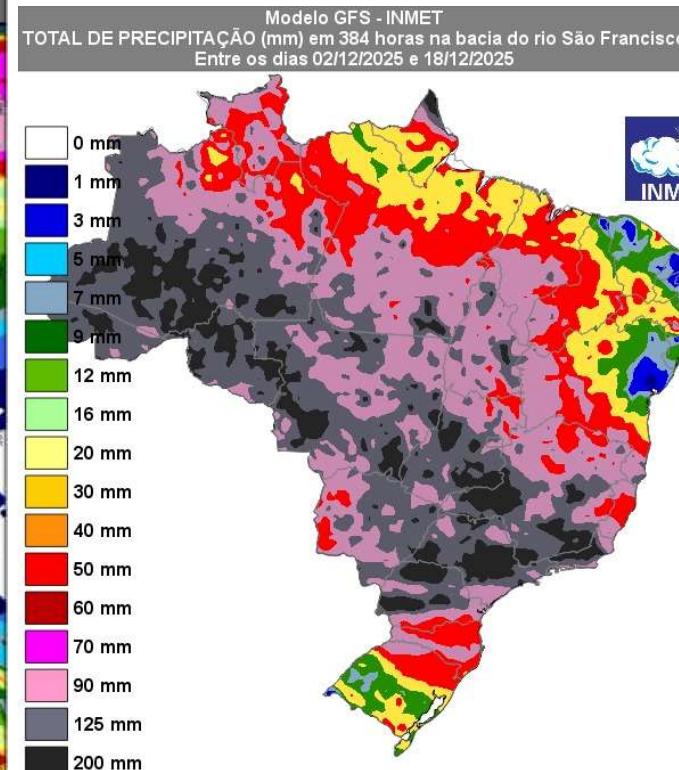
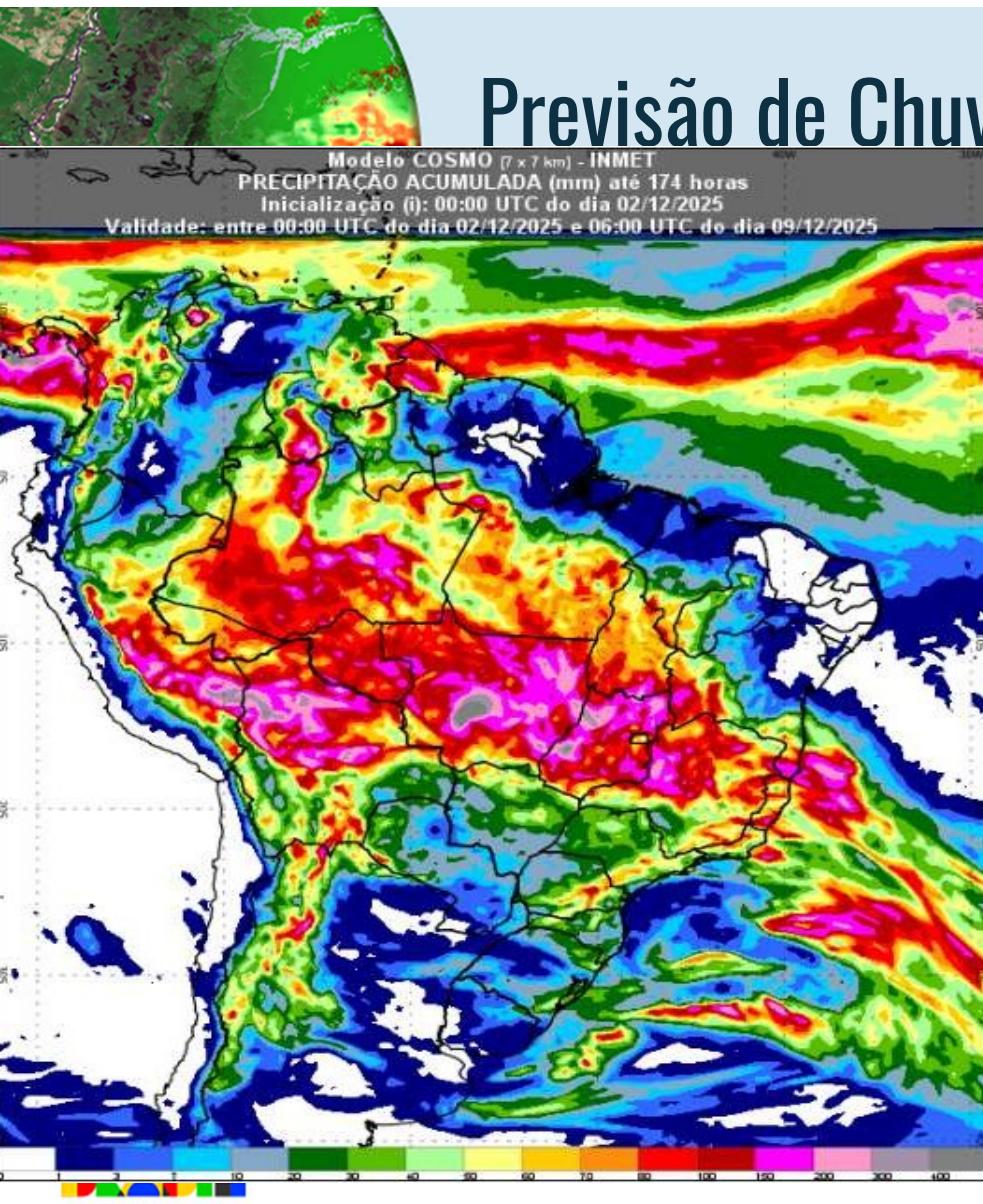


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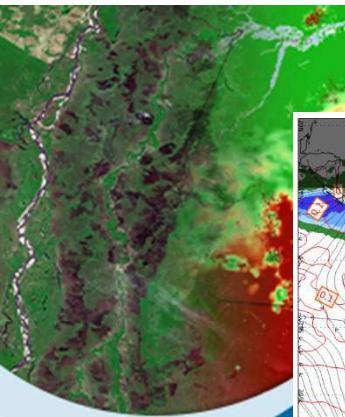
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# Previsão de Chuva (7 e 15 dias)



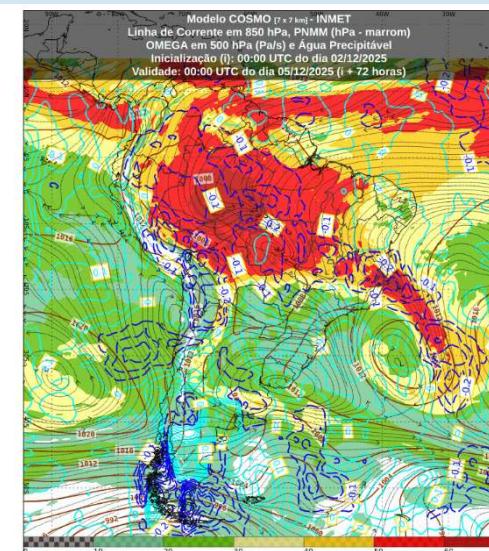
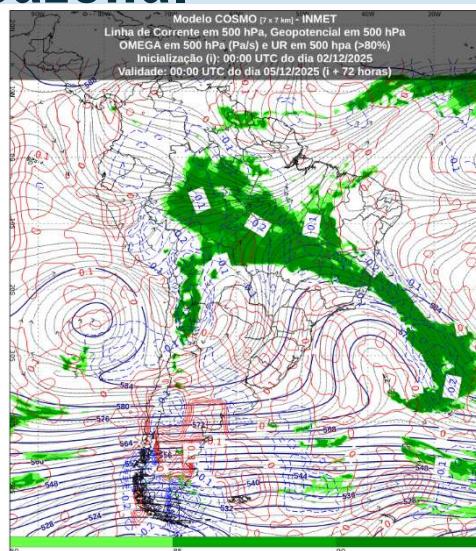
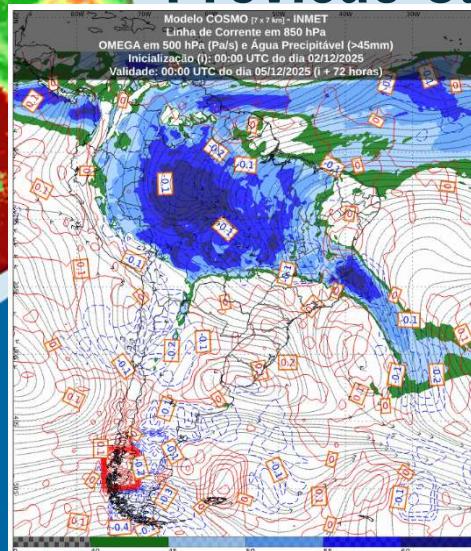
# Previsão Subsazonal



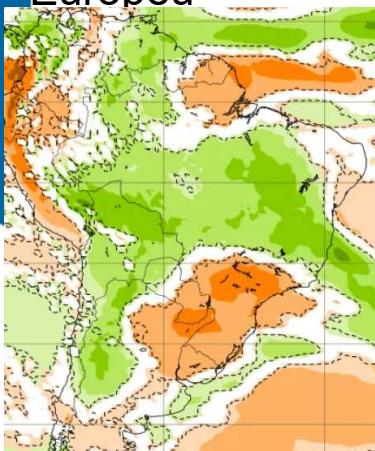
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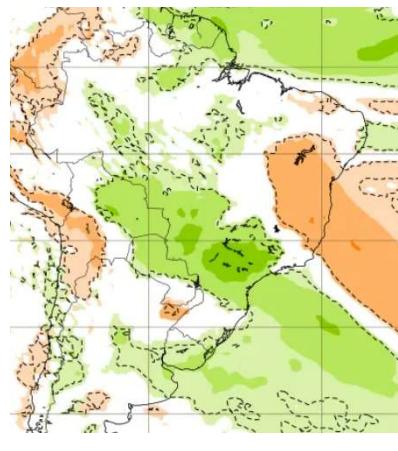


Europeu

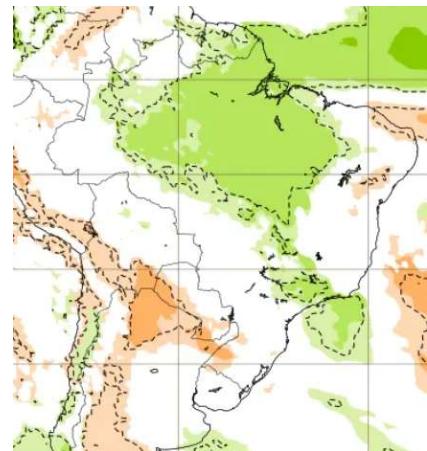


02 a 08/12

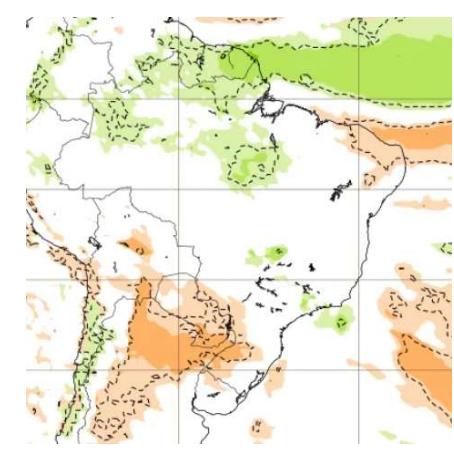
Extended range: Precipitation weekly mean anomaly, significance level: 10 % (mm)



08 a 15/12



15 a 22/12



22 a 29/12

# CONDIÇÕES OCEÂNICAS

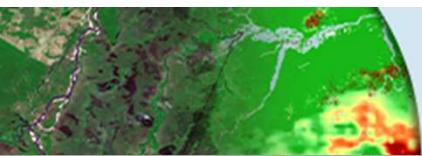
## Observadas e previstas



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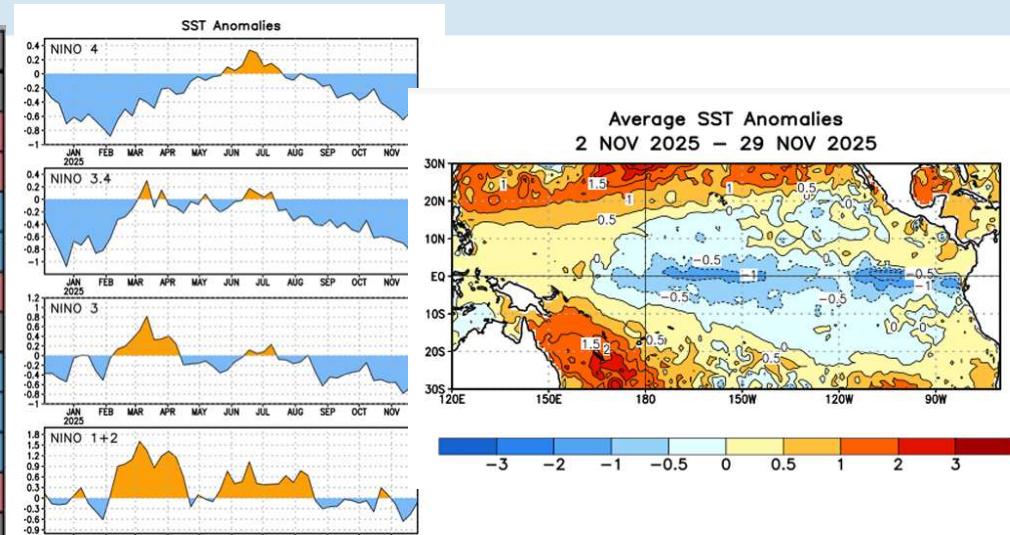
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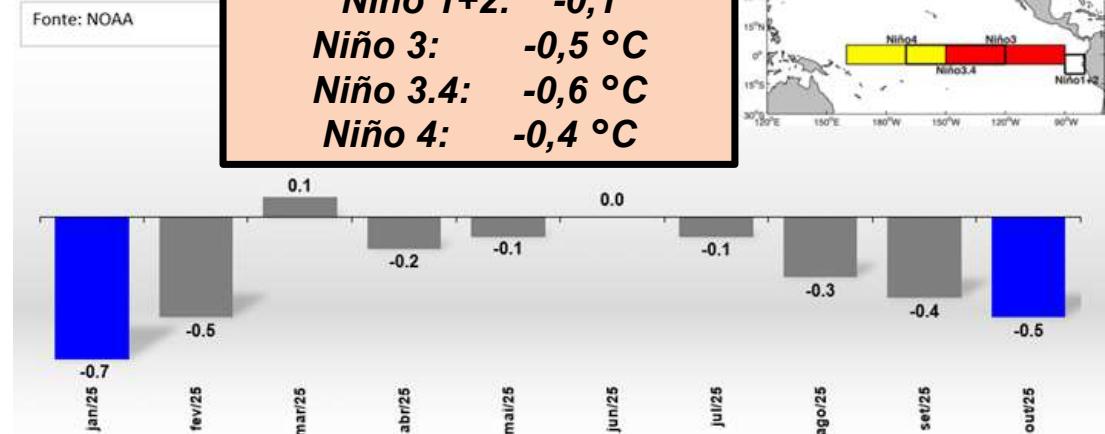
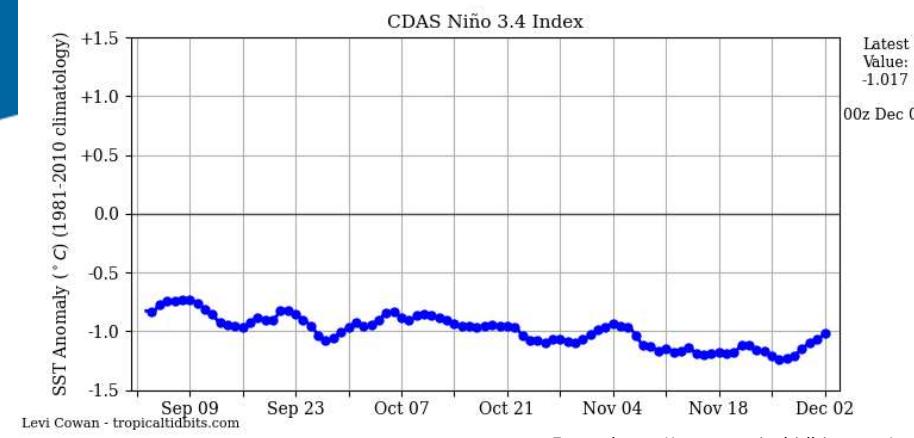


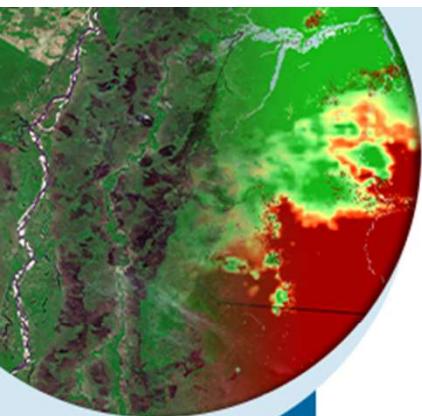
# MONITORAMENTO DA ANOMALIA DA TEMPERATURA DA SUPERFÍCIE DO MAR (TSM)

Year	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO	SON	OND	NDJ
2013	-0.4	-0.4	-0.3	-0.3	-0.4	-0.4	-0.4	-0.3	-0.3	-0.2	-0.2	-0.3
2014	-0.4	-0.5	-0.3	0.0	0.2	0.2	0.0	0.1	0.2	0.5	0.6	0.7
2015	0.5	0.5	0.5	0.7	0.9	1.2	1.5	1.9	2.2	2.4	2.6	2.6
2016	2.5	2.1	1.6	0.9	0.4	-0.1	-0.4	-0.5	-0.6	-0.7	-0.7	-0.6
2017	-0.3	-0.2	0.1	0.2	0.3	0.3	0.1	-0.1	-0.4	-0.7	-0.8	-1.0
2018	-0.9	-0.9	-0.7	-0.5	-0.2	0.0	0.1	0.2	0.5	0.8	0.9	0.8
2019	0.7	0.7	0.7	0.7	0.5	0.5	0.3	0.1	0.2	0.3	0.5	0.5
2020	0.5	0.5	0.4	0.2	-0.1	-0.3	-0.4	-0.6	-0.9	-1.2	-1.3	-1.2
2021	-1.0	-0.9	-0.8	-0.7	-0.5	-0.4	-0.4	-0.5	-0.7	-0.8	-1.0	-1.0
2022	-1.0	-0.9	-1.0	-1.1	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8
2023	-0.7	-0.4	-0.1	0.2	0.5	0.8	1.1	1.3	1.6	1.8	1.9	2.0
2024	1.8	1.5	1.1	0.7	0.4	0.2	0.0	-0.1	-0.2	-0.3	-0.4	-0.5
2025	-0.6	-0.4	-0.2	-0.1	-0.1	-0.1	-0.2	-0.3	-0.5			



Anomalia diária de TSM (°C)



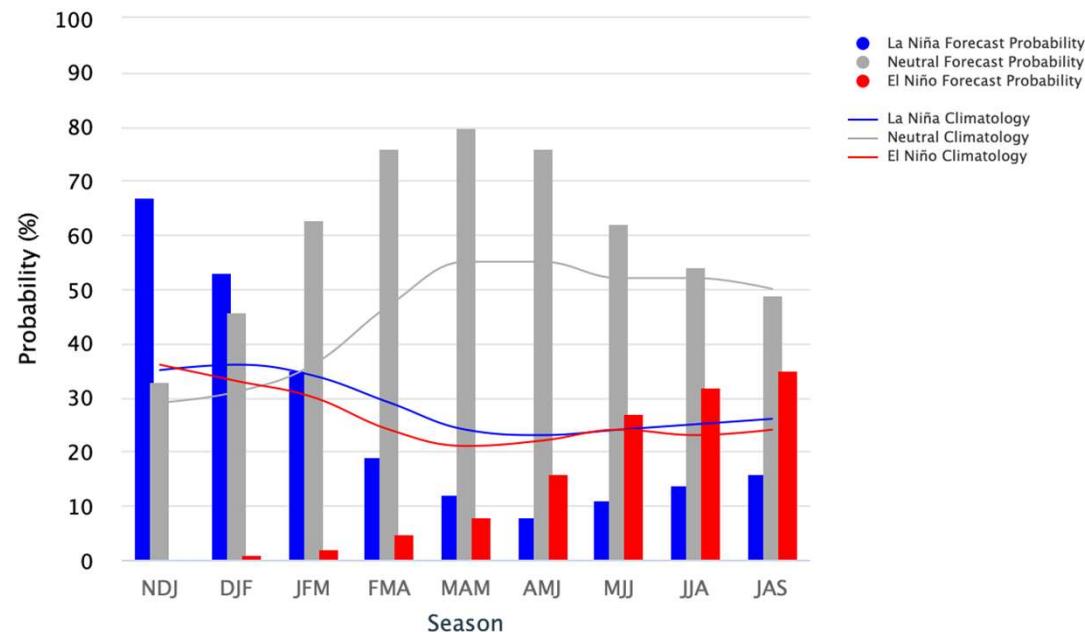


# Previsões do ENSO/ Índice Niño 3.4 (Pacífico Equatorial Central)

## Probabilidades

Mid-November 2025 IRI Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly Neutral ENSO:  $-0.5^{\circ}\text{C}$  to  $0.5^{\circ}\text{C}$



DJF-25-26 com 53% de chance de La Niña e 46% Neutro  
 JFM-26 35% La Niña e 63% Neutro

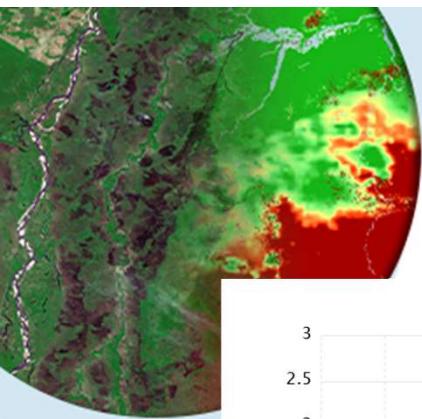
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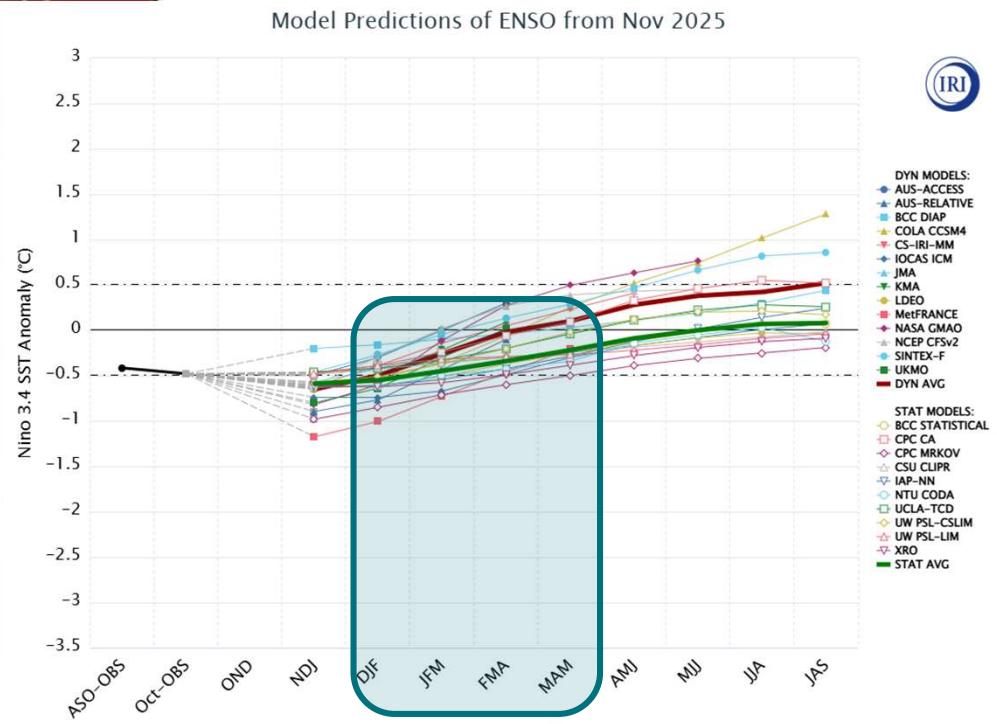
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Fonte: APEC e IRI.



# Previsões do ENSO



Forecast SST Anomalies (deg C) in the Nino 3.4 Region

Model	NDJ	Seasons (2025 – 2026)							
		DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS
<i>Average, Dynamical models</i>	-0.654	-0.503	-0.262	-0.025	0.105	0.279	0.378	0.423	0.523
<i>Average, Statistical models</i>	-0.594	-0.546	-0.446	-0.337	-0.224	-0.090	0.004	0.073	0.081
<i>Average, All models</i>	-0.629	-0.521	-0.339	-0.155	-0.060	0.074	0.158	0.190	0.228



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Fonte: [https://iri.columbia.edu/our-expertise/climate/forecasts/enso/current/?enso\\_tab=enso-sst\\_table](https://iri.columbia.edu/our-expertise/climate/forecasts/enso/current/?enso_tab=enso-sst_table)

# Prognóstico Climático

## DEZ-JAN-FEV/25-26

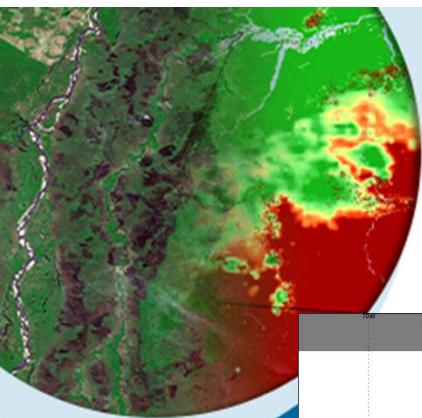


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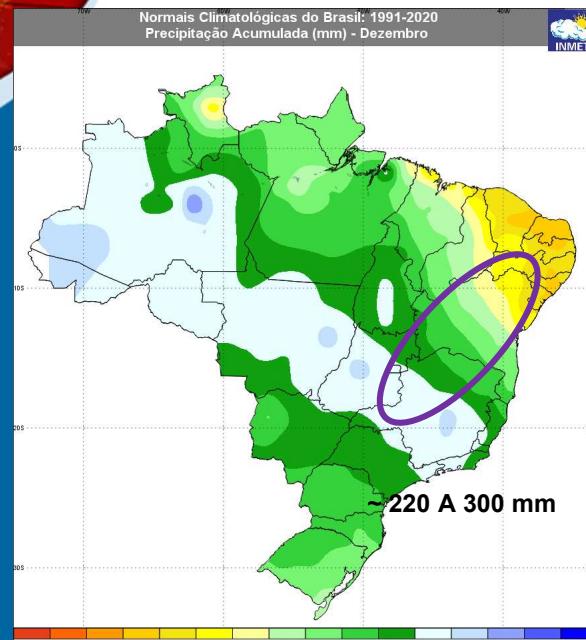
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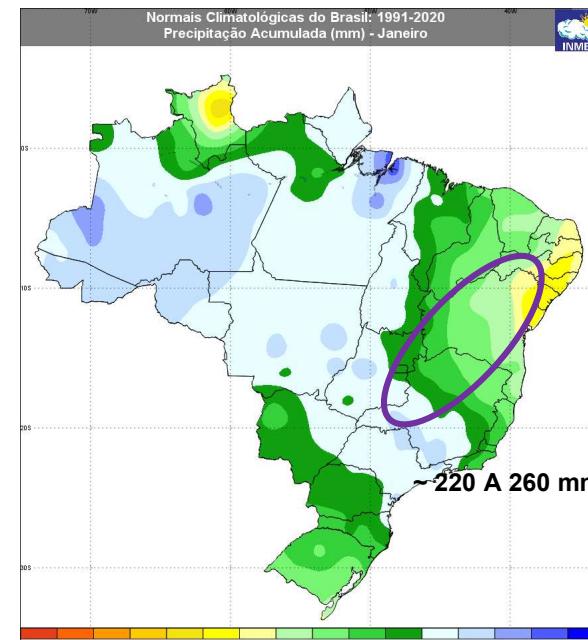
# Climatologia da Precipitação



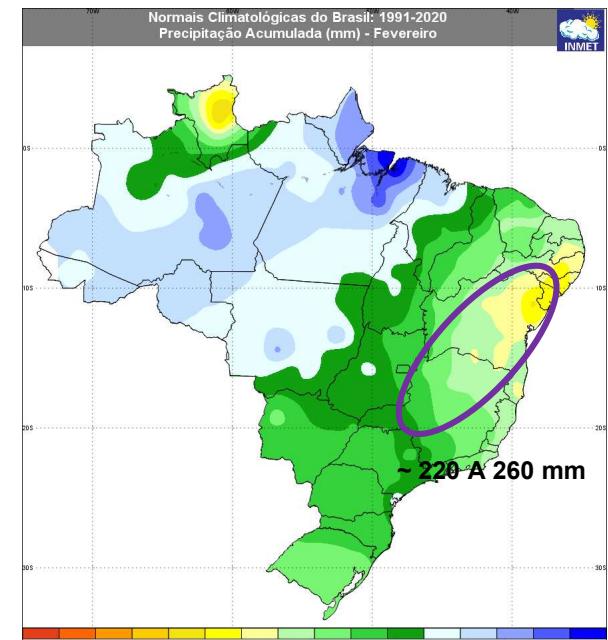
DEZEMBRO



JANEIRO



FEVEREIRO



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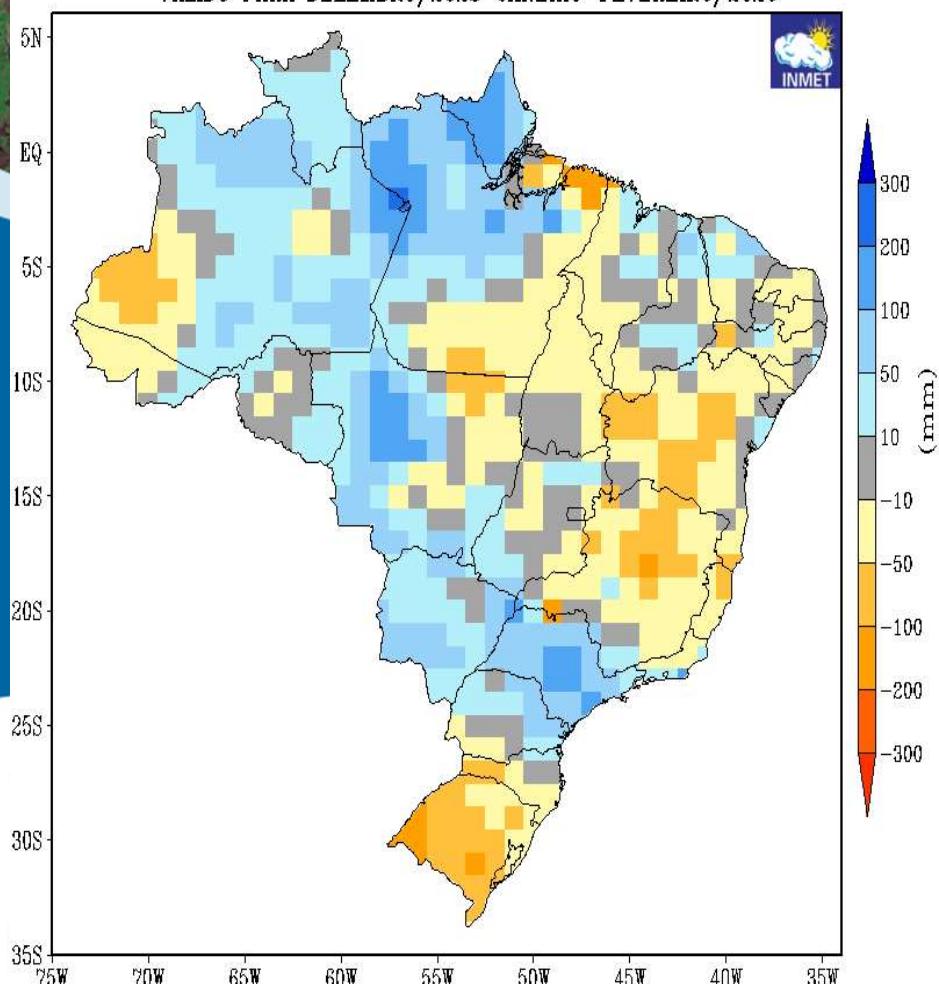
Fonte: <https://clima.inmet.gov.br/>

# PROGNÓSTICO CLIMÁTICO [DEZ-JAN-FEV/25-26]

PREVISÃO DE ANOMALIAS DE PRECIPITAÇÃO (mm)

ATUALIZAÇÃO - NOVEMBRO/2025

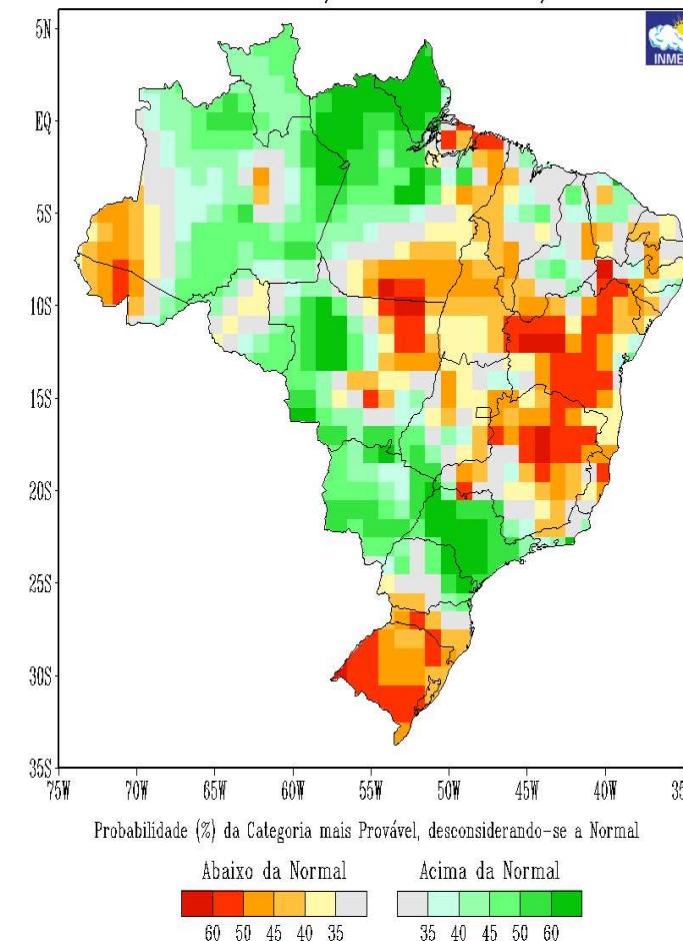
VÁLIDO PARA DEZEMBRO/2025-JANEIRO-FEVEREIRO/2026



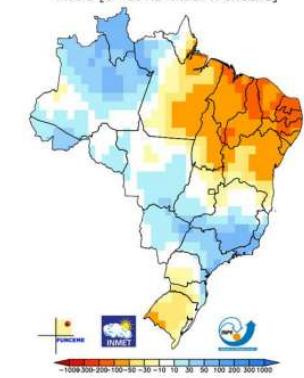
PREVISÃO PROBABILÍSTICA EM TERÇIS - PRECIPITAÇÃO

ATUALIZAÇÃO - NOVEMBRO/2025

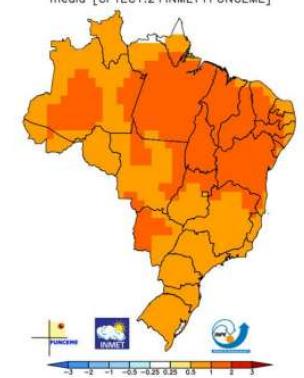
VÁLIDO PARA DEZEMBRO/2025-JANEIRO-FEVEREIRO/2026



Previsão de Anomalia de Precipitação DJF/2024  
média [CPTEC1.2+INMET+FUNCME]



Previsão de Anomalia de Temperatura DJF/2024  
média [CPTEC1.2+INMET+FUNCME]



# PROGNÓSTICO CLIMÁTICO [DEZ-JAN-FEV/25-26]

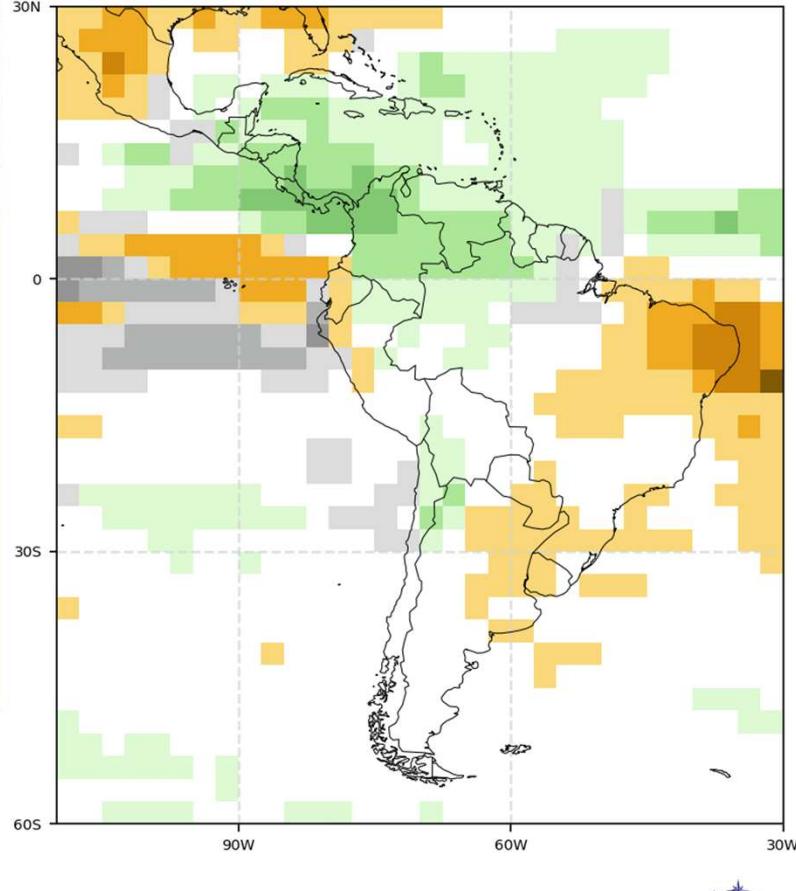


## Probabilistic Multi-Model Ensemble Forecast

CMCC,CPTEC,ECMWF,Exeter,Melbourne,Montreal,Moscow,Offenbach,Seoul,Tokyo,Toulouse,Washington

Precipitation : DJF2025

(issued on Nov2025)

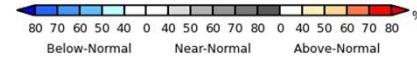
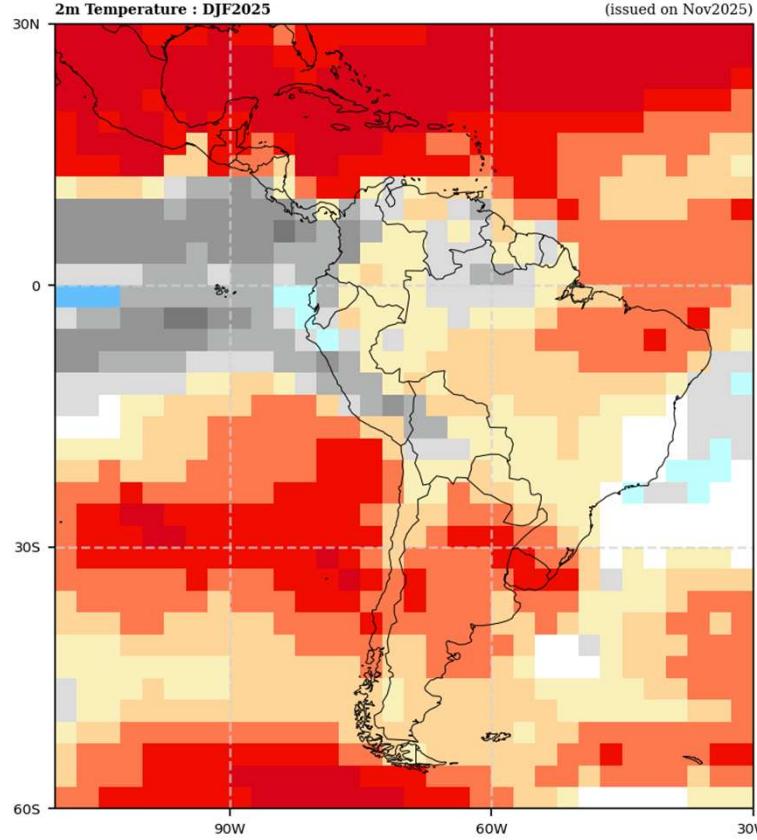


## Probabilistic Multi-Model Ensemble Forecast

CMCC,CPTEC,ECMWF,Exeter,Melbourne,Montreal,Moscow,Offenbach,Seoul,Tokyo,Toulouse,Washington

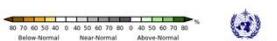
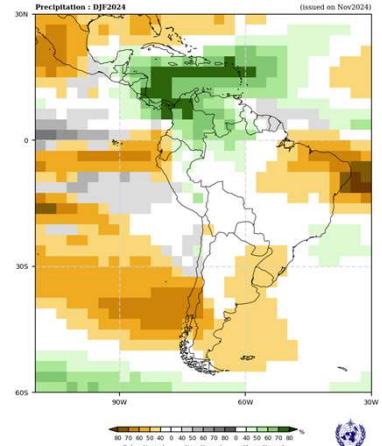
2m Temperature : DJF2025

(issued on Nov2025)



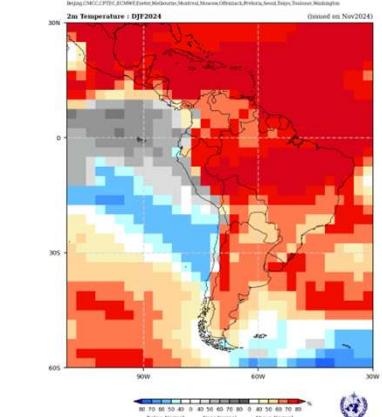
Probabilistic Multi-Model Ensemble Forecast  
Issued: CMCC,CPTEC,ECMWF,Exeter,Melbourne,Montreal,Moscow,Offenbach,Seoul,Tokyo,Toulouse,Washington

Precipitation : DJF2024



Probabilistic Multi-Model Ensemble Forecast  
Issued: CMCC,CPTEC,ECMWF,Exeter,Melbourne,Montreal,Moscow,Offenbach,Seoul,Tokyo,Toulouse,Washington

2m Temperature : DJF2024

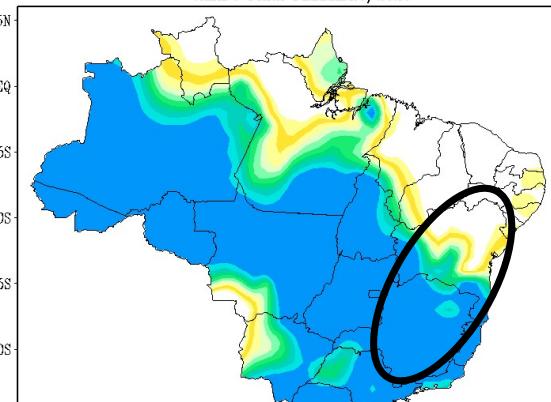


Fonte: [https://www.wmclc.org/seasonPmmeUI/plot\\_PMME#](https://www.wmclc.org/seasonPmmeUI/plot_PMME#)

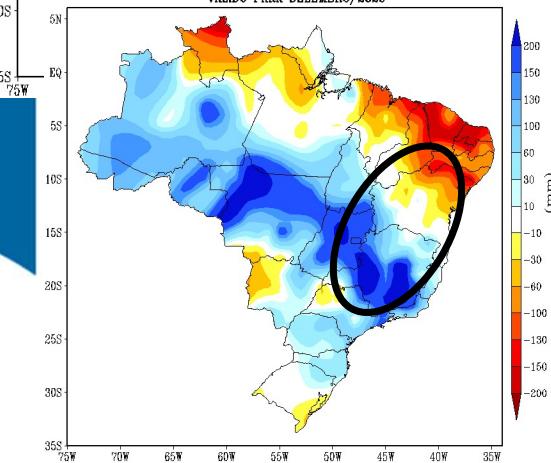
# PREVISÃO : Armazenamento [DEZ-JAN-FEV/25-26]

DEZEMBRO

MAPA DE ARMAZENAMENTO (%)  
PERÍODO (1961 – 2026) REALIZAÇÃO: NOVEMBRO/2025  
VALIDO PARA DEZEMBRO/2025

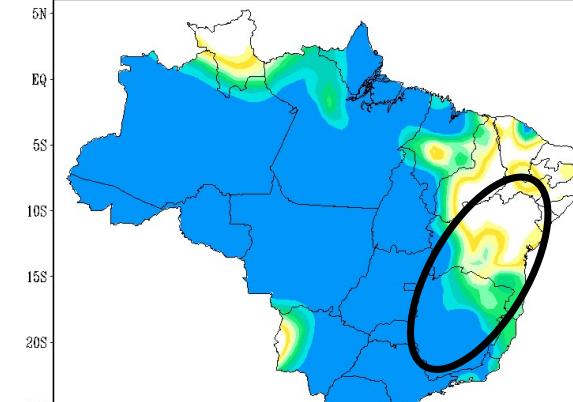


MAPA DE DEFÍCIT E EXCESSO  
PERÍODO (1961 – 2026) REALIZAÇÃO: NOVEMBRO/2025  
VALIDO PARA DEZEMBRO/2025

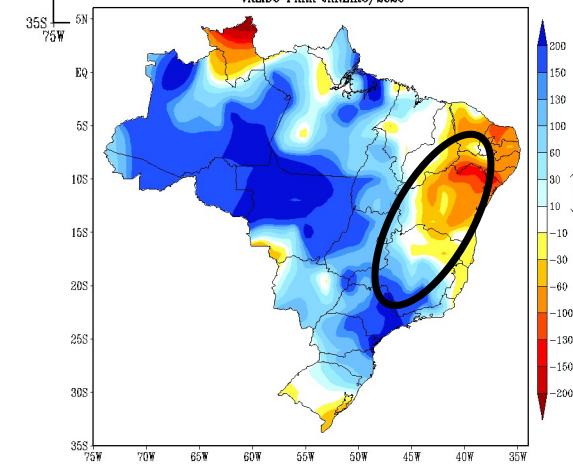


JANEIRO

MAPA DE ARMAZENAMENTO (%)  
PERÍODO (1961 – 2026) REALIZAÇÃO: NOVEMBRO/2025  
VALIDO PARA JANEIRO/2026

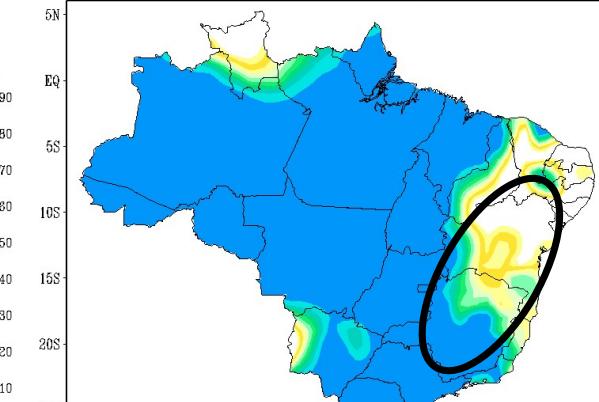


MAPA DE DEFÍCIT E EXCESSO  
PERÍODO (1961 – 2026) REALIZAÇÃO: NOVEMBRO/2025  
VALIDO PARA JANEIRO/2026

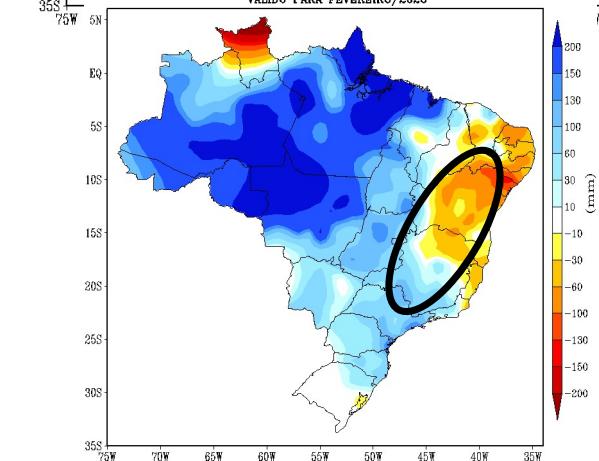


FEVEREIRO

MAPA DE ARMAZENAMENTO (%)  
PERÍODO (1961 – 2026) REALIZAÇÃO: NOVEMBRO/2025  
VALIDO PARA FEVEREIRO/2026



MAPA DE DEFÍCIT E EXCESSO  
PERÍODO (1961 – 2026) REALIZAÇÃO: NOVEMBRO/2025  
VALIDO PARA FEVEREIRO/2026



INMET

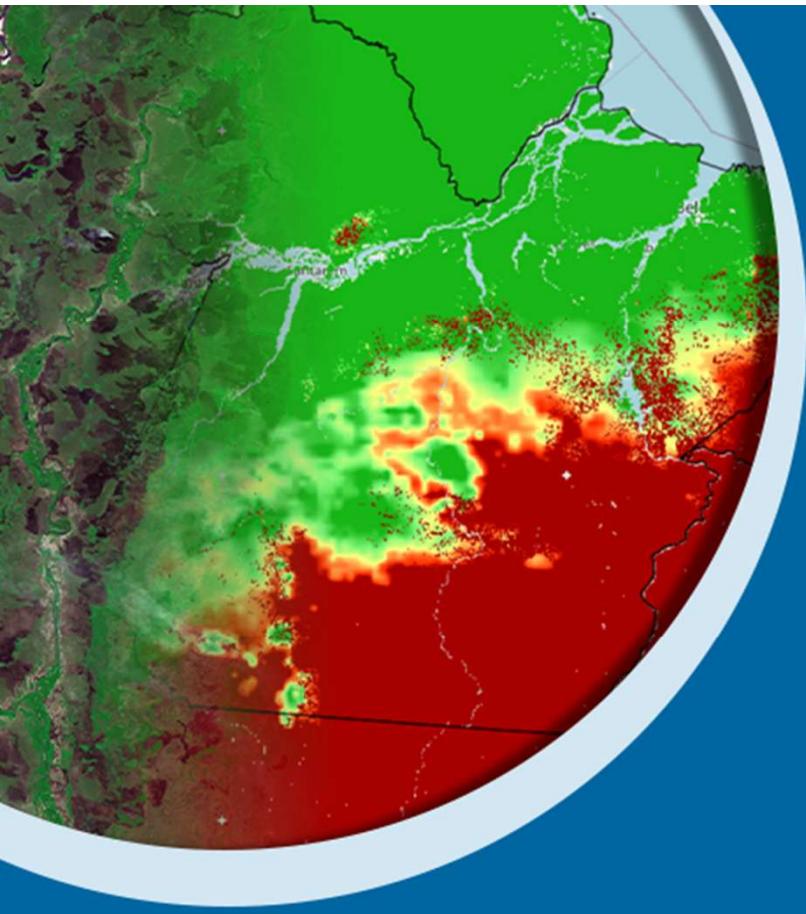


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