



Sala de Crise – Região Nordeste

LUNA GRIPP SIMÕES ALVES



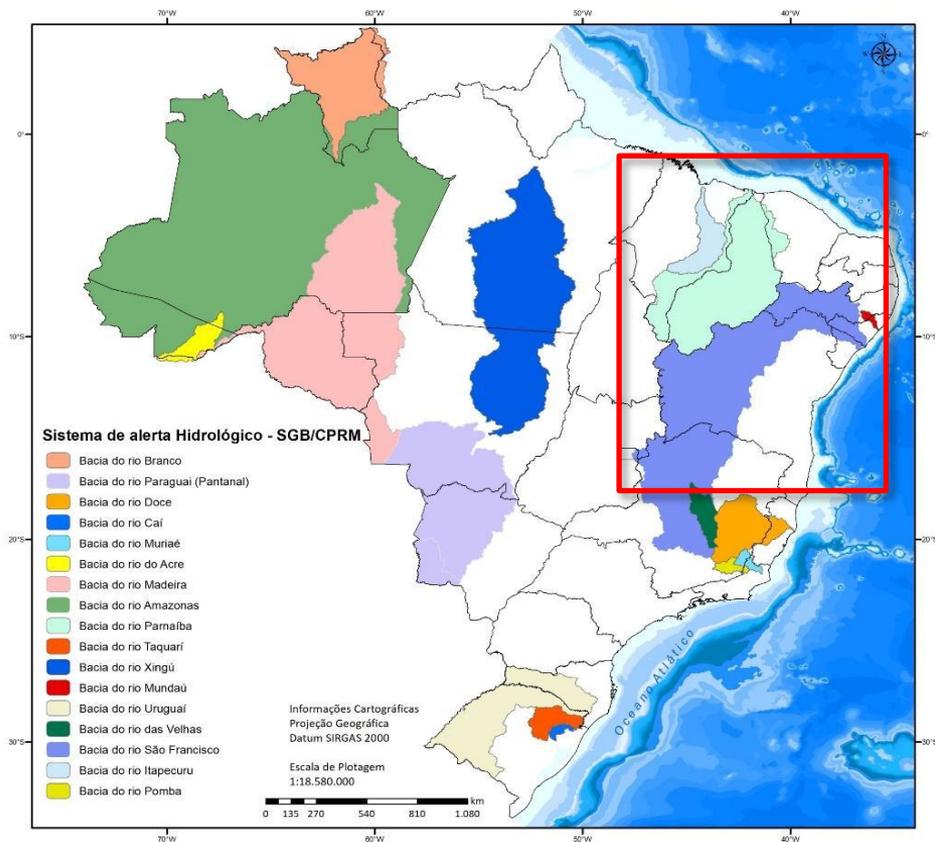
MINISTÉRIO DE
MINAS E ENERGIA



SUMÁRIO

- Anomalias de chuvas em bacias
- Níveis dos rios
- Níveis nos aquíferos

SISTEMA DE ALERTA HIDROLÓGICO



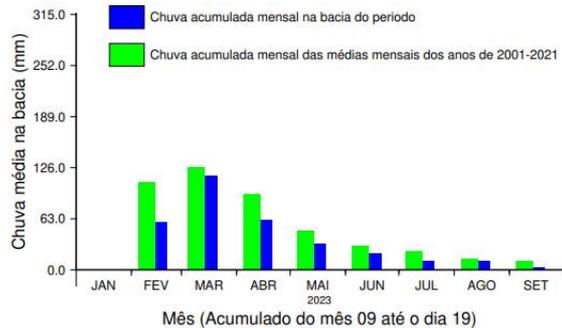
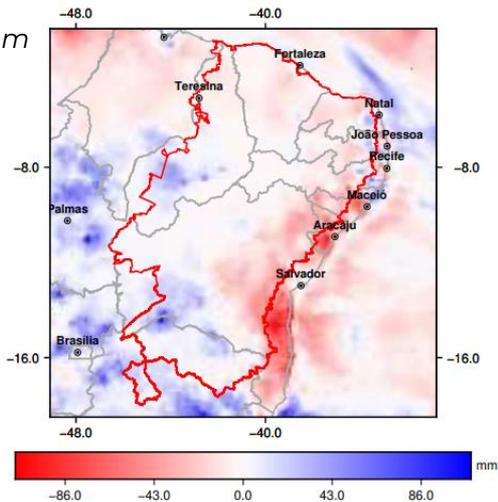
REGIÃO NORDESTE

- SAH MUNDAÚ
- SAH ITAPECURU
- SAH PARNAÍBA
- SAH SÃO FRANCISCO

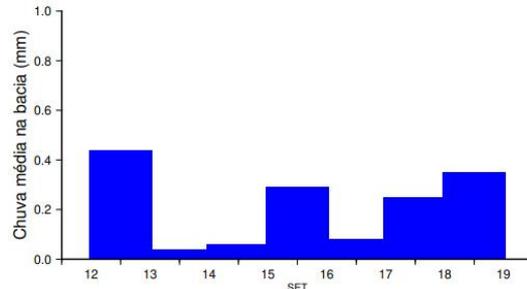
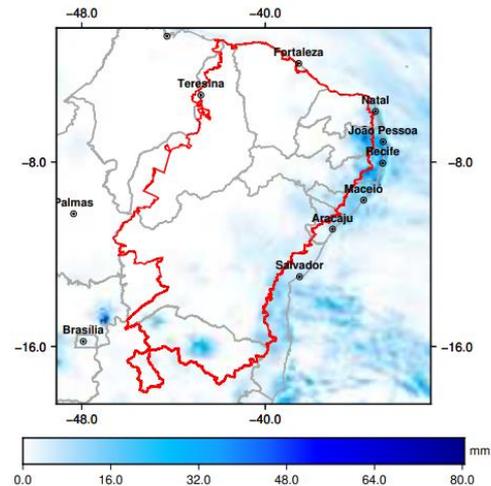
SEMIÁRIDO

Anomalias de Chuvas AGOSTO

-3.5 mm

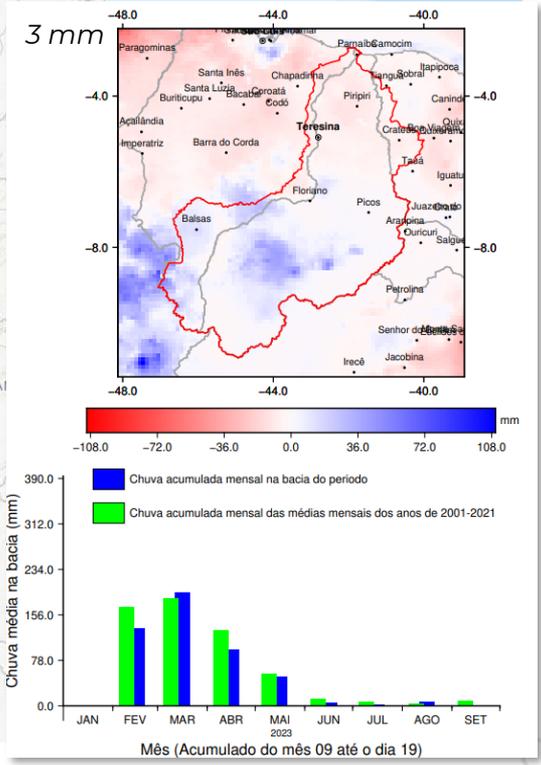
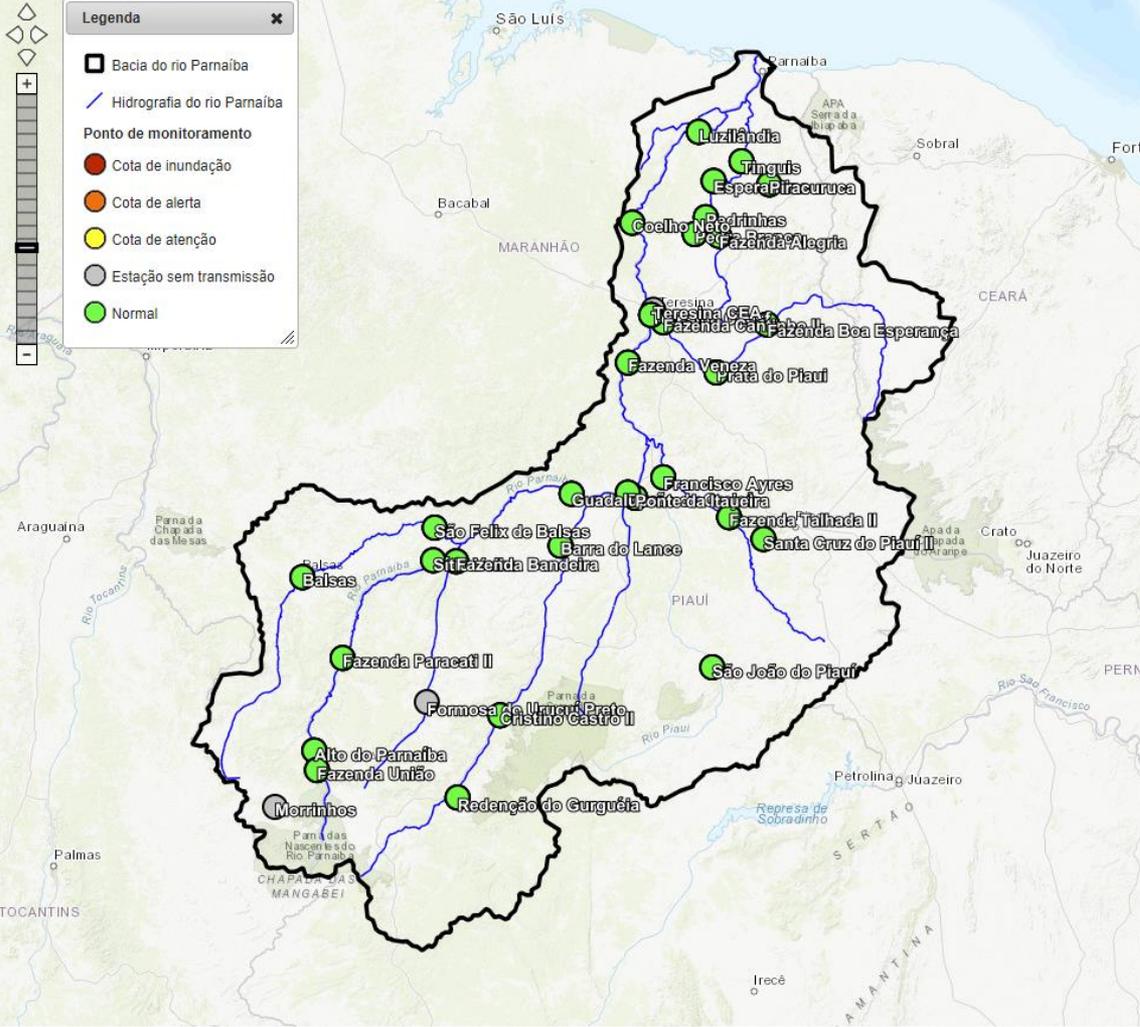


Chuvas acumuladas 7 dias



BACIA DO PARNAÍBA

Anomalias de Chuvas 08/23

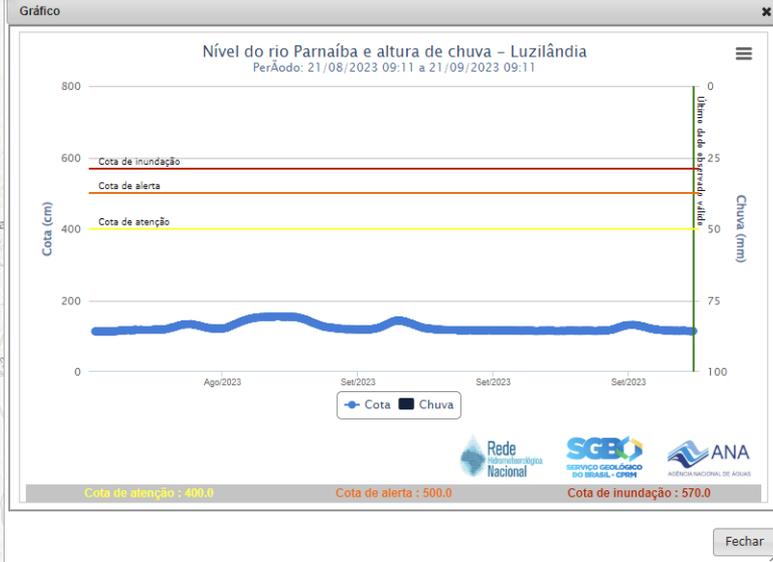


BACIA DO PARNAÍBA

Legenda

- Bacia do rio Parnaíba
- Hidrografia do rio Parnaíba
- Ponto de monitoramento
- Cota de inundação
- Cota de alerta
- Cota de atenção
- Estação sem transmissão
- Normal

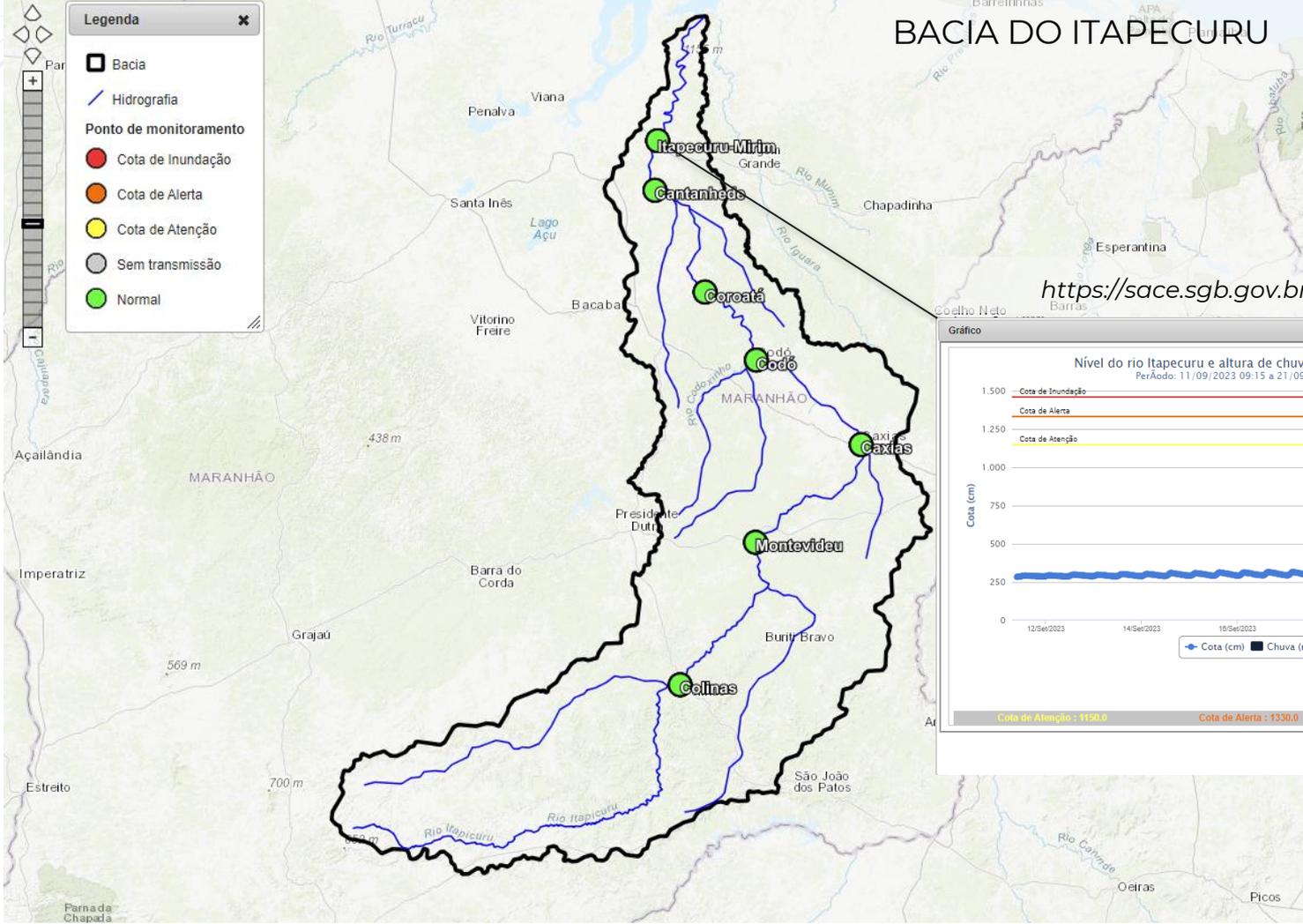
<https://sace.sgb.gov.br/parnaiba/>



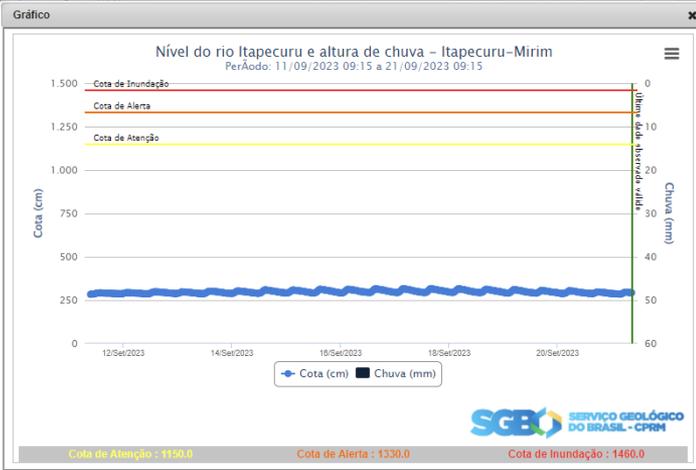
BACIA DO ITAPECURU

Legenda

- Bacia
- Hidrografia
- Ponto de monitoramento
 - Cota de Inundação
 - Cota de Alerta
 - Cota de Atenção
 - Sem transmissão
 - Normal



<https://sace.sgb.gov.br/itapecuru/#>



Fechar

SERRA DA MINA GRANDE Arcoverde

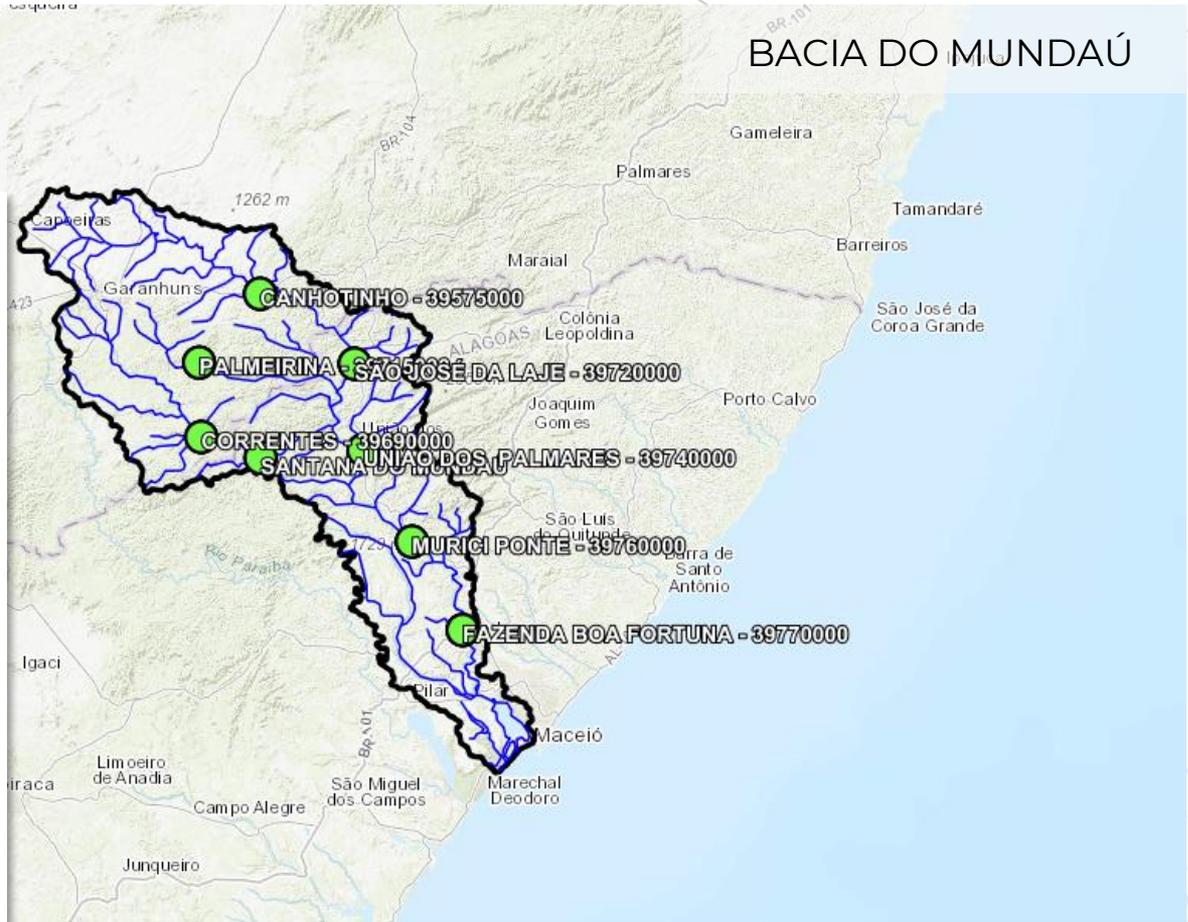
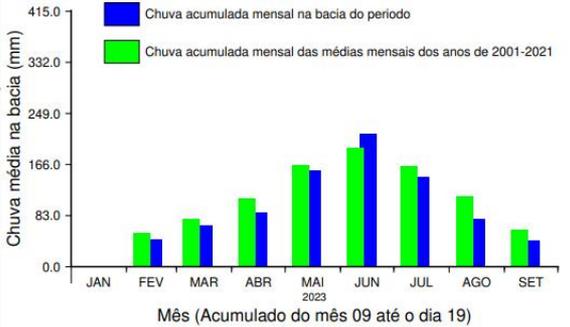
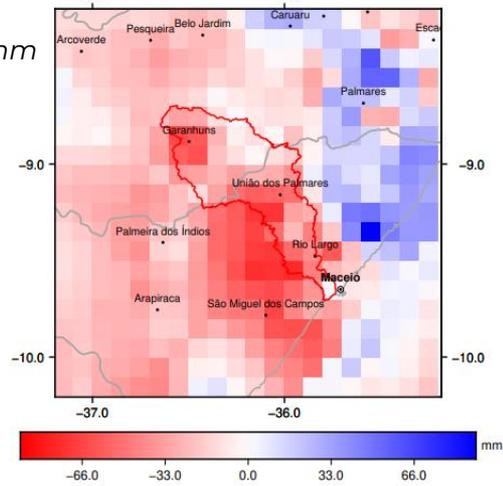
Legend

- Bacia do rio Mundaú
- Hidrografia do rio Mundaú

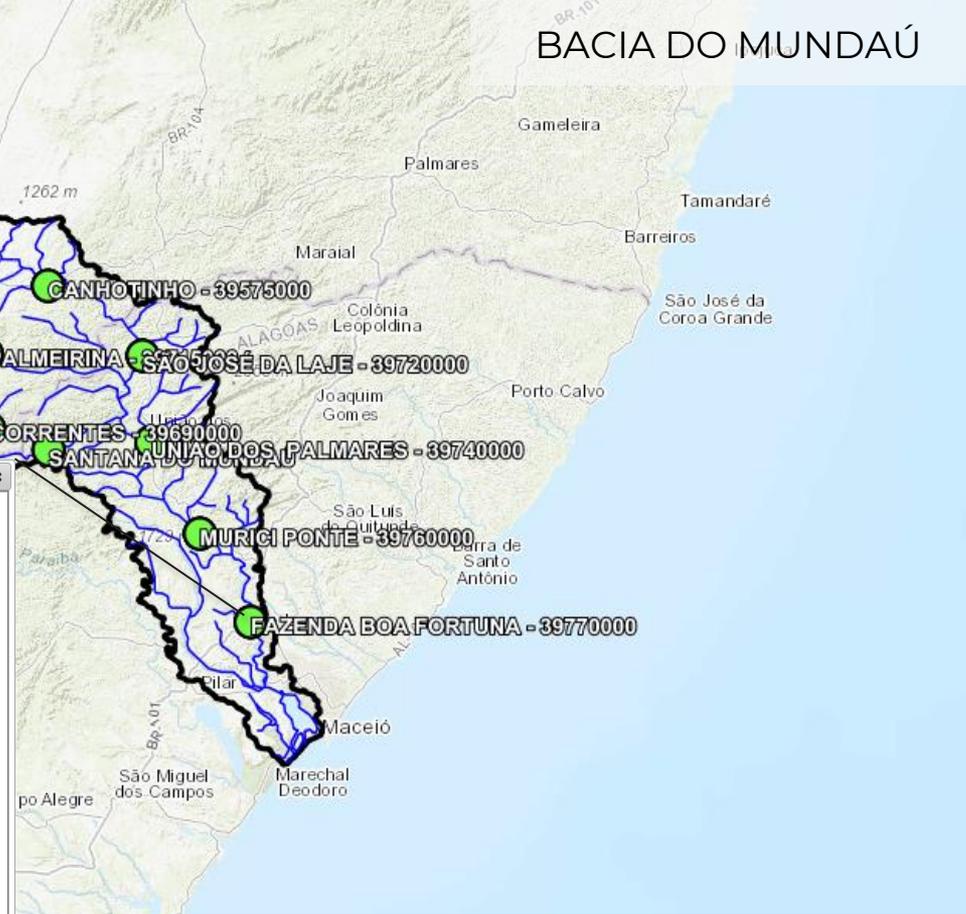
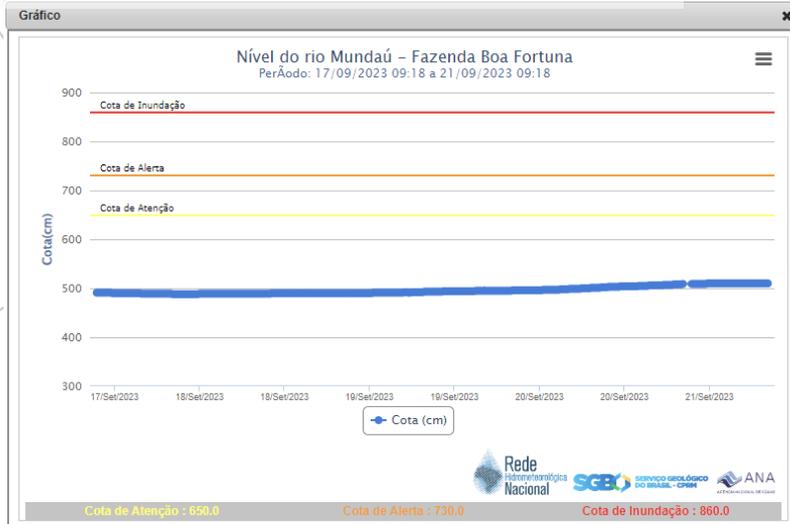
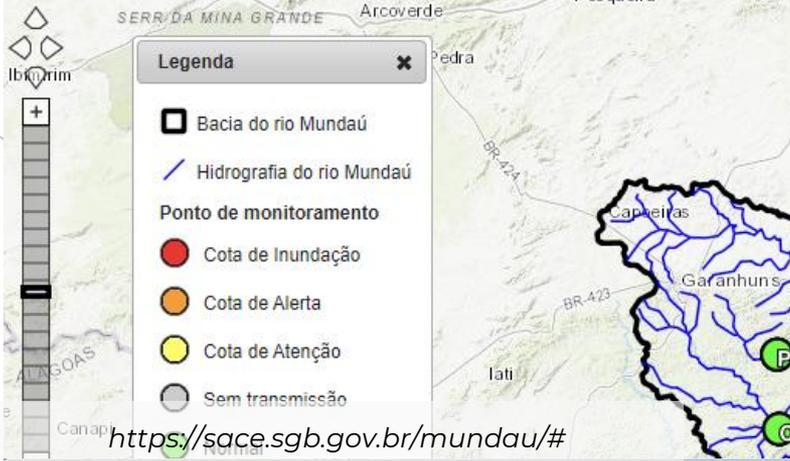
Anomalias de Chuvas 08/23

BACIA DO MUNDAÚ

-36 mm



BACIA DO MUNDAÚ



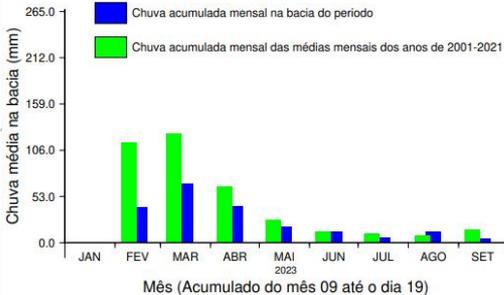
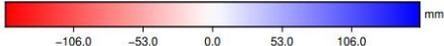
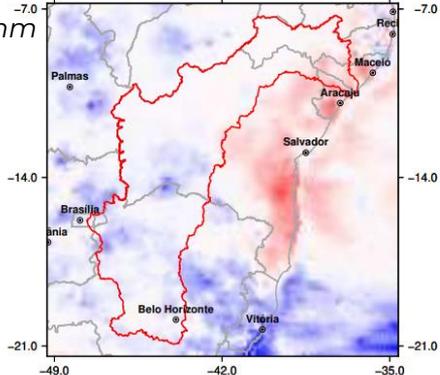
BACIA DO SÃO FRANCISCO

Legenda

- Bacia do rio São Francisco
- Hidrografia do rio São Francisco
- Ponto de monitoramento

Anomalias de Chuvas 08/23

5 mm



BACIA DO SÃO FRANCISCO

Legenda

- Bacia do rio São Francisco
- Hidrografia do rio São Francisco
- Ponto de monitoramento
- Cota de Inundação
- Cota de Alerta
- Cota de Atenção
- Sem transmissão
- Normal

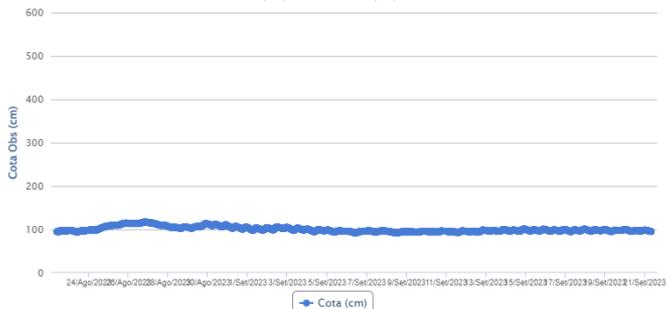
5 mm



<https://sace.sgb.gov.br/saofrancisco/#>

Gráfico

Rio São Francisco – Propriá
Período: 22/08/2023 09:00 a 21/09/2023 09:00



Fechar



- Juazeiro - 43020000
- Piabinhas - 49330000
- Paço de Aguiar - 49370000
- Jiraípu - 49660000
- P. Renê de - 49740000
- Aracaju
- Salvador
- Barra - 46998000
- Boqueirão - 46902000
- Morpará - 46360000
- Ibotirama - 46160000
- Paratingá - 46105000
- Cametá - 46000000
- Por Bom Jesus da Lapa - 45480000
- Guanambi
- São Gonçalo - 4516100000
- Manga - 44500000
- Cado Bravo (Ex Boca da Caatinga) - 44940000
- Usina dos Pandeiros - Montante - 44250000
- Pedras de Maria da Cruz - 44290000
- Montante - 434299900000
- São Romão - 43200000
- Cachoeira da Mantelga - 42210000
- Orço Alegre - 42980000
- Pirapora - 41135000
- Varzea da Palma - 41990000
- União das Matias - Barragem - 409900361090002
- Passarinho - 41075000
- Belo Horizonte
- Porto Seguro
- Eunápolis
- Campos dos Goytacazes



- Apresentação
- Séries Históricas
- Mapa
- Downloads
- Fale Conosco

Rede Hidrometeorológica Nacional - RHN

Encontre endereço ou local

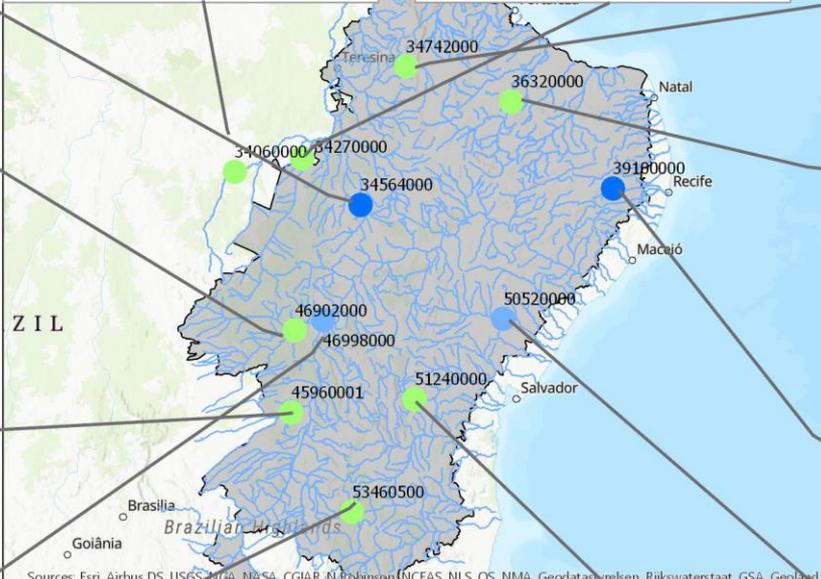
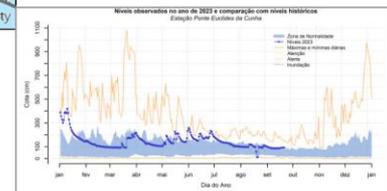
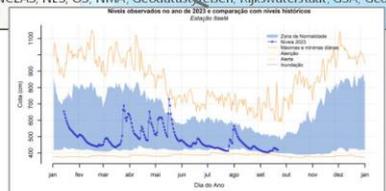
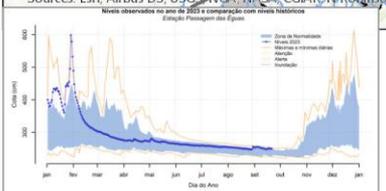
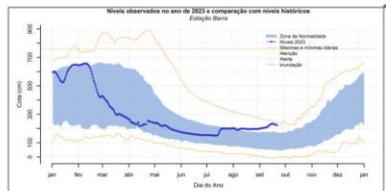
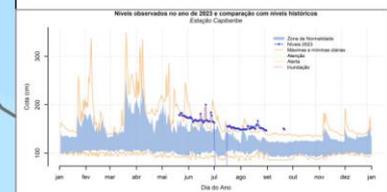
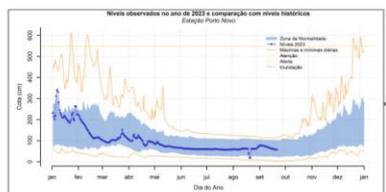
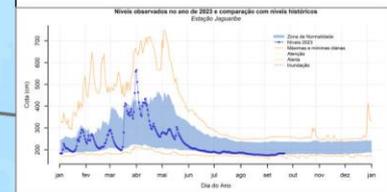
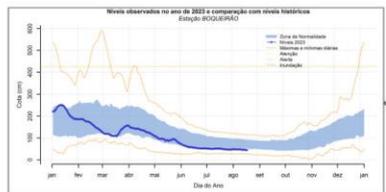
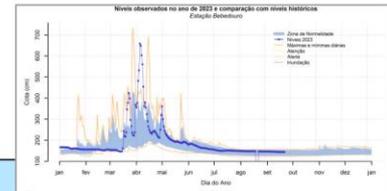
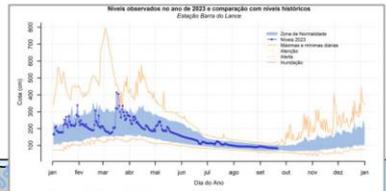
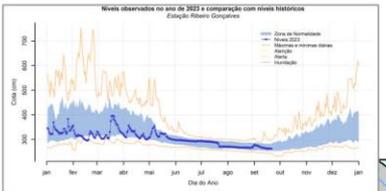
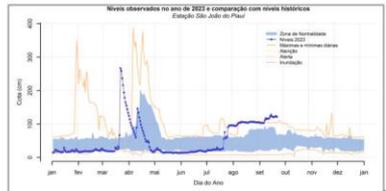
Rede Hidrometeorológica Nacional

SGB SERVIÇO GEOLÓGICO DO BRASIL - CPRM

ANA AGÊNCIA NACIONAL DE ÁGUAS E SANEAMENTO BÁSICO



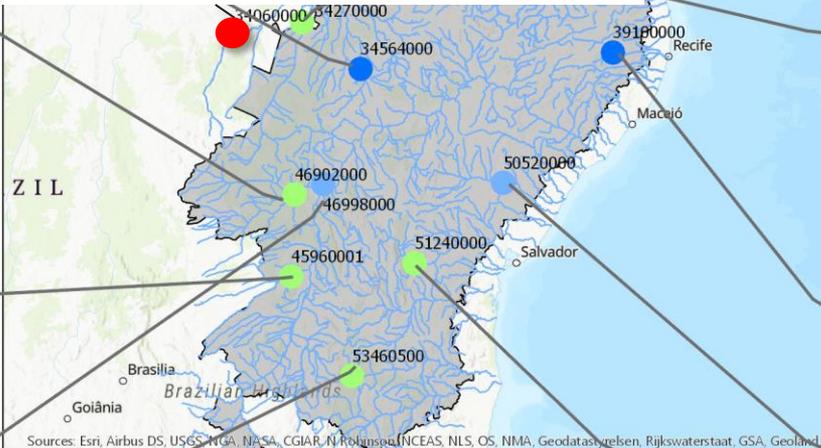
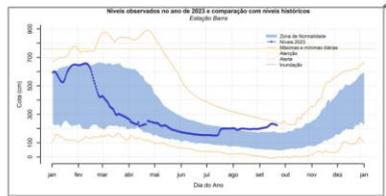
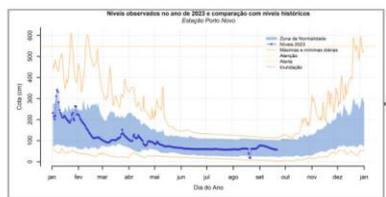
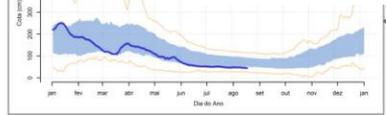
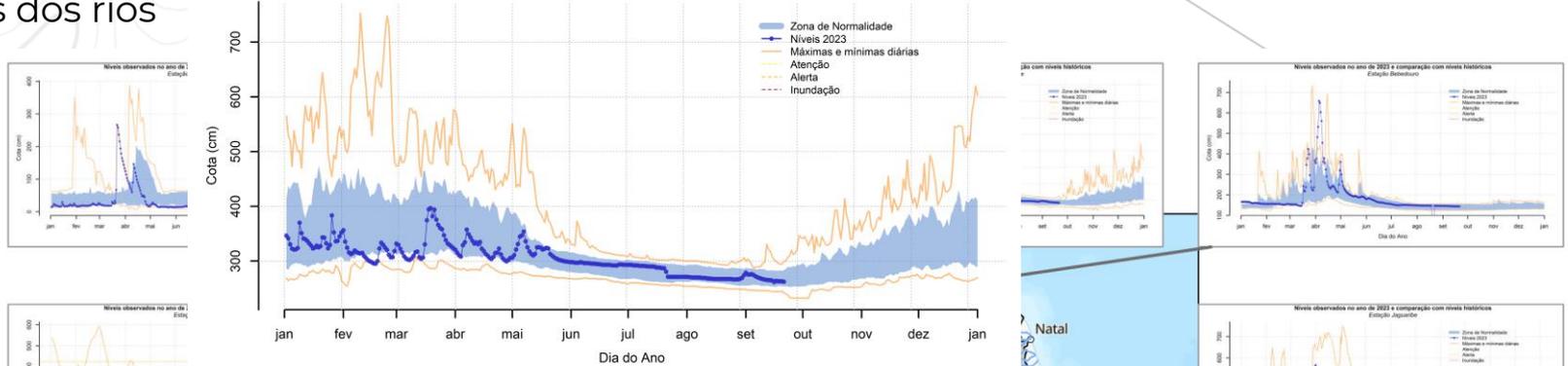
Níveis dos rios



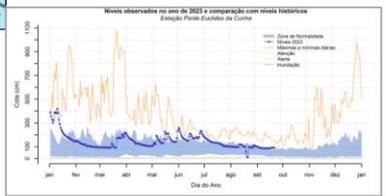
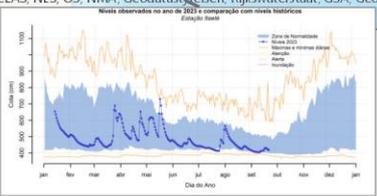
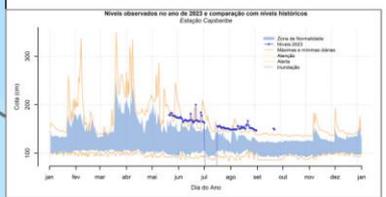
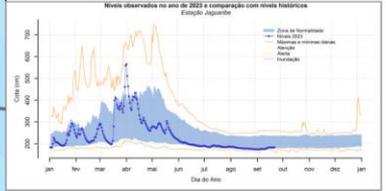
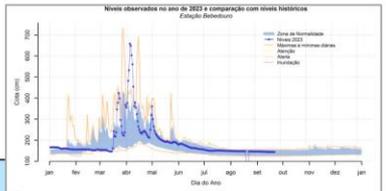
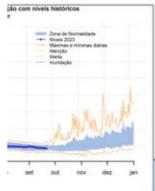
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodataswensen, Rijkswaterstaat, GSA, Geoland

Níveis dos rios

Níveis dos rios no ano de 2023 e comparação com níveis históricos
 Estação Ribeiro Gonçalves

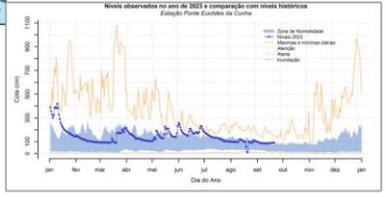
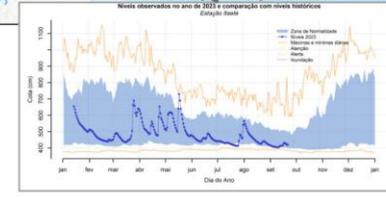
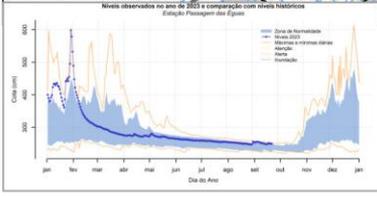
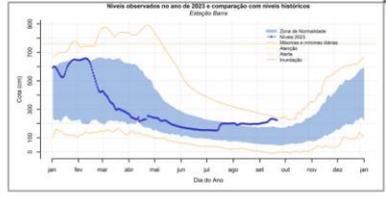
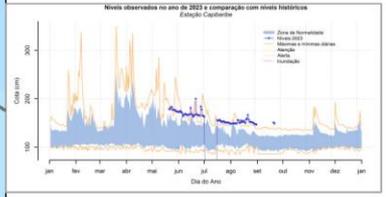
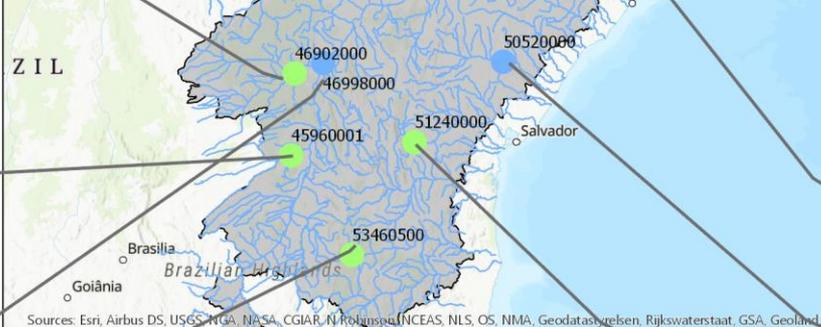
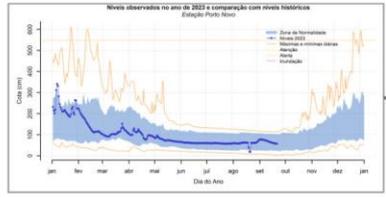
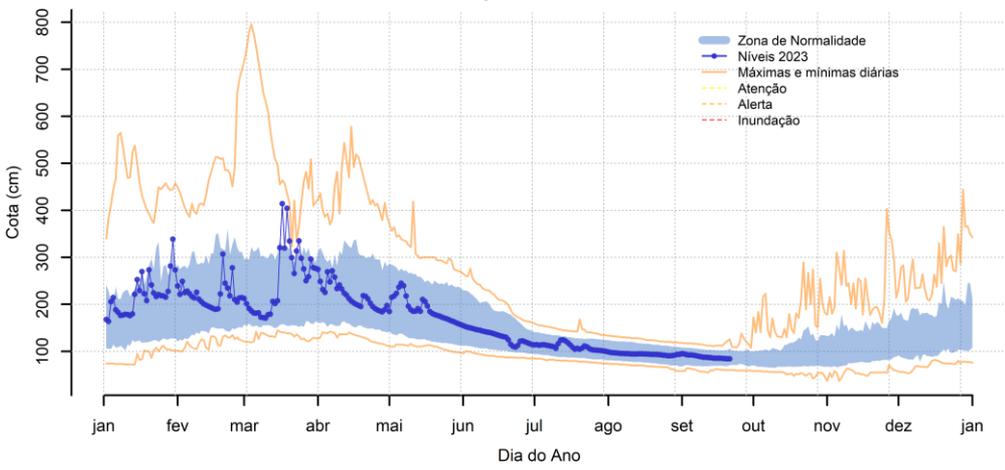
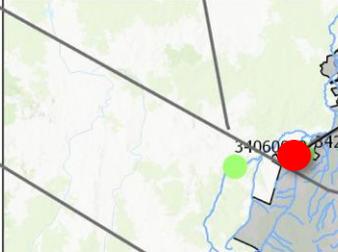
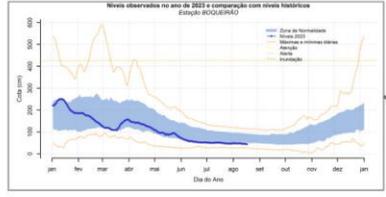
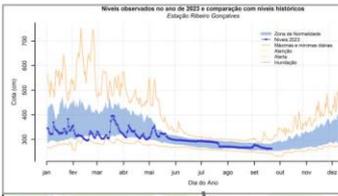
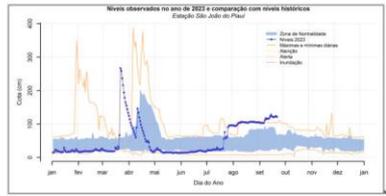


Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N. Robinson, INCEAS, NLS, OS, NMA, Geodataswelsen, Rijkswaterstaat, GSA, Geoland



Níveis dos rios

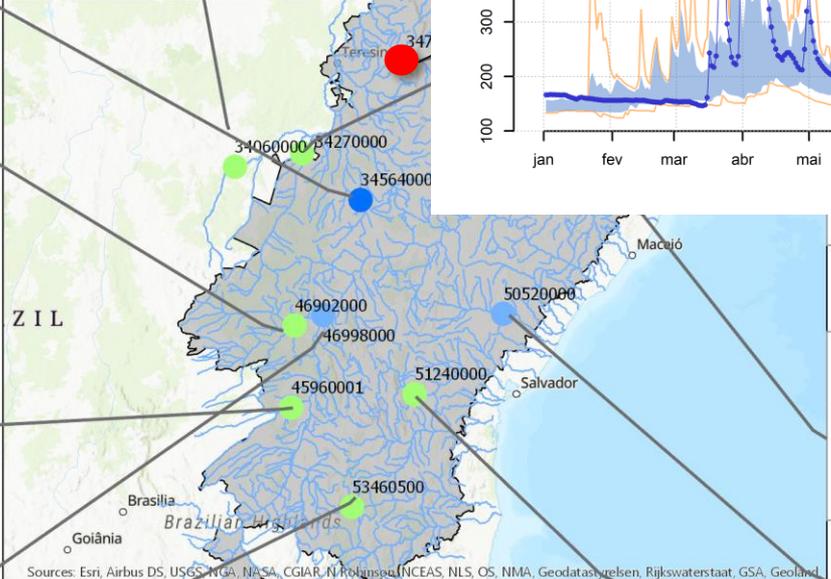
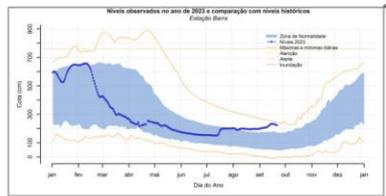
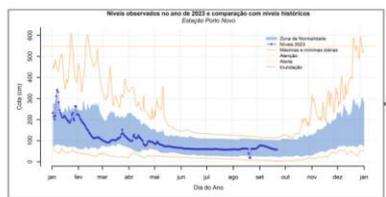
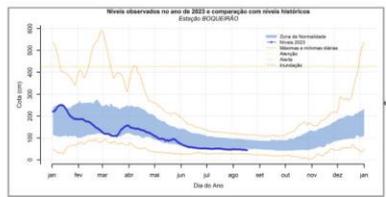
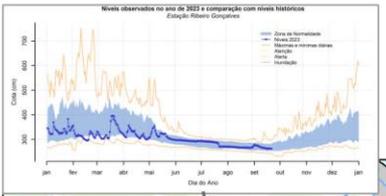
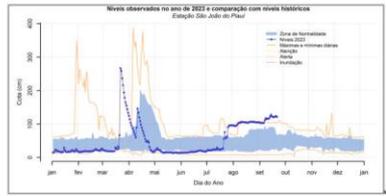
Níveis observados no ano de 2023 e comparação com níveis históricos Estação Barra do Lance



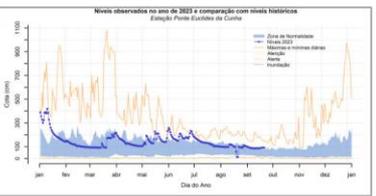
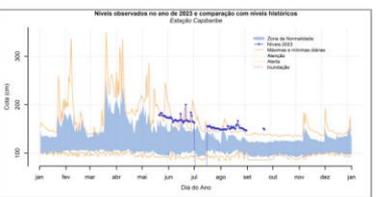
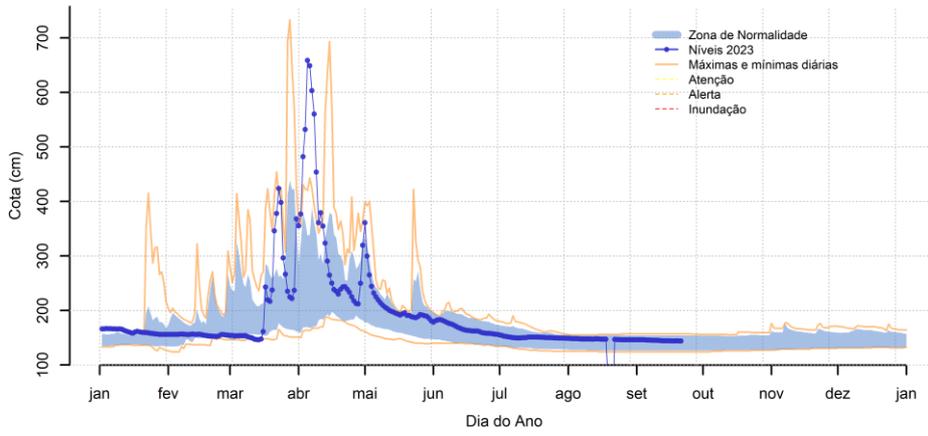
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N, Robinson, NCEAS, NLS, OS, NMA, Geodataswensen, Rijkswaterstaat, GSA, Geoland

Níveis dos rios

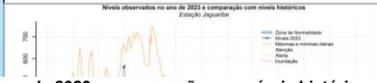
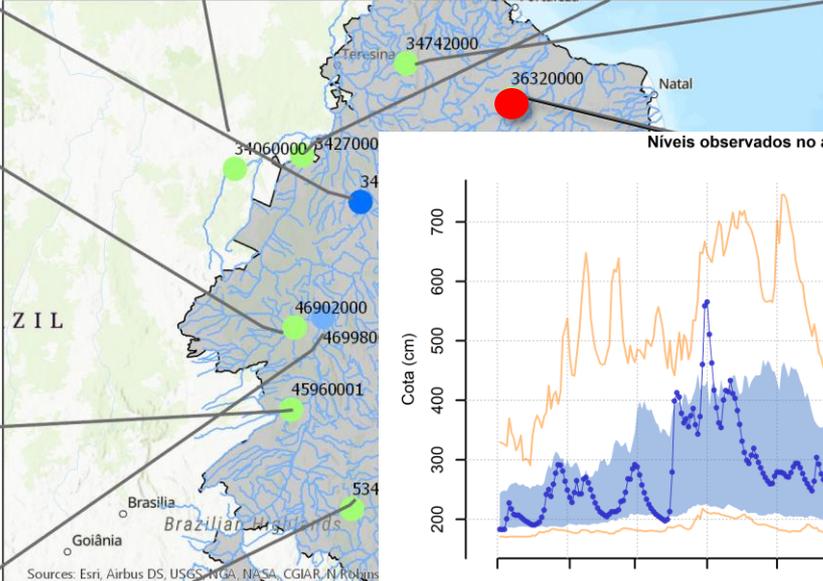
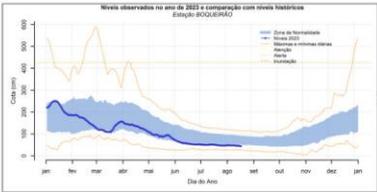
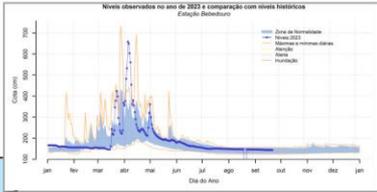
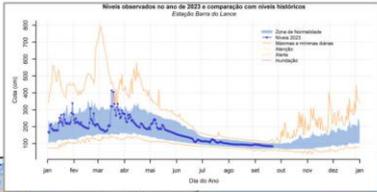
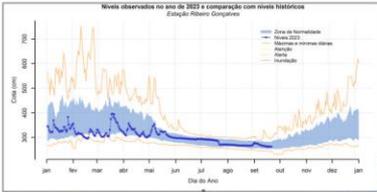
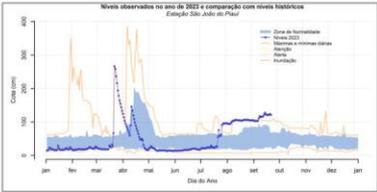
Níveis observados no ano de 2023 e comparação com níveis históricos Estação Bebedouro



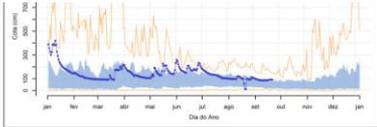
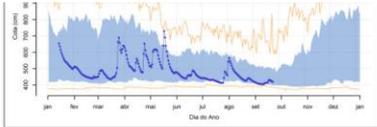
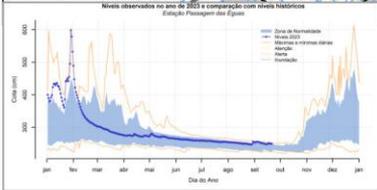
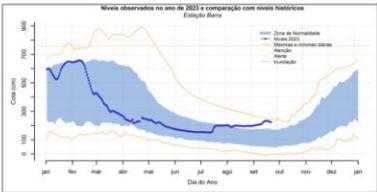
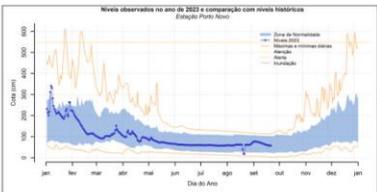
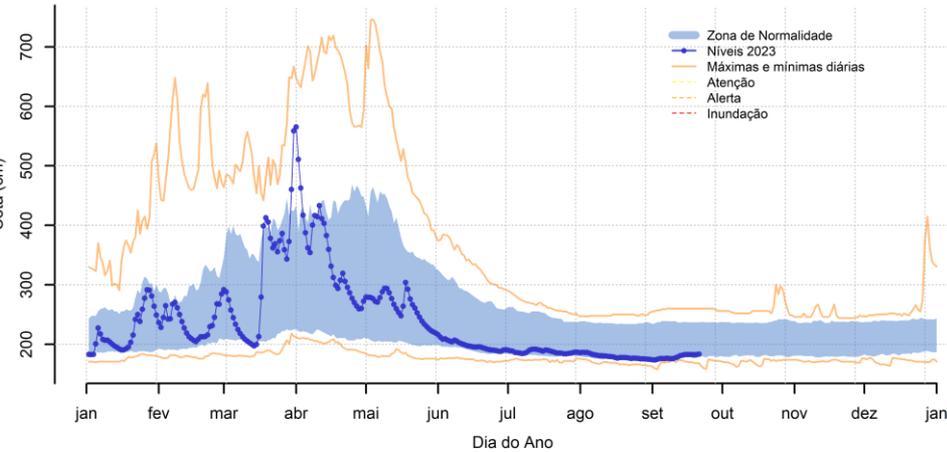
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N, Robinson, NCEAS, NLS, OS, NMA, Geodataswelsen, Rijkswaterstaat, GSA, Geoland



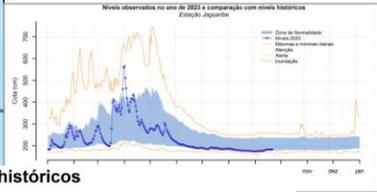
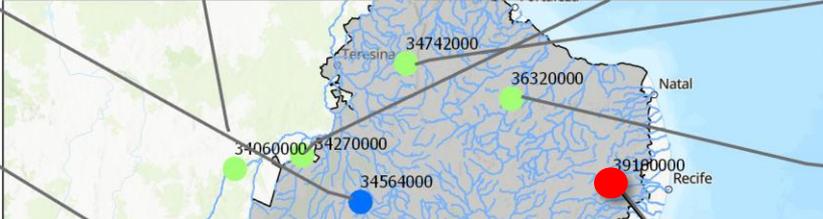
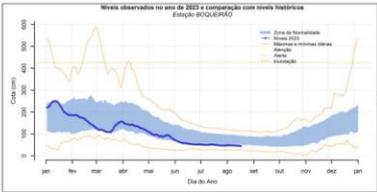
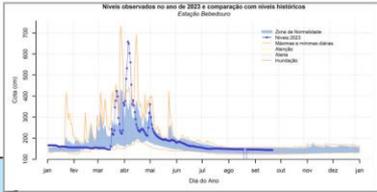
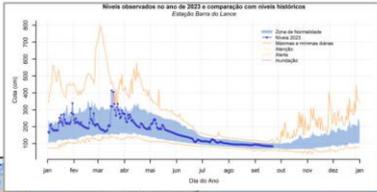
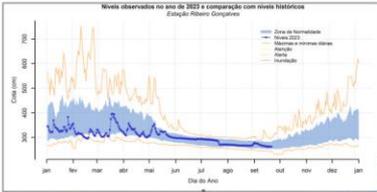
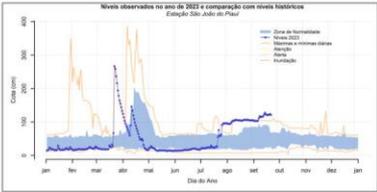
Níveis dos rios



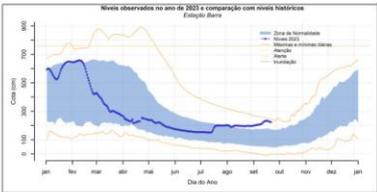
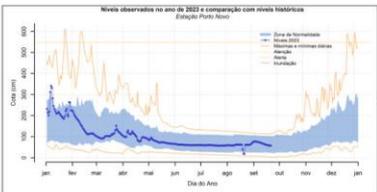
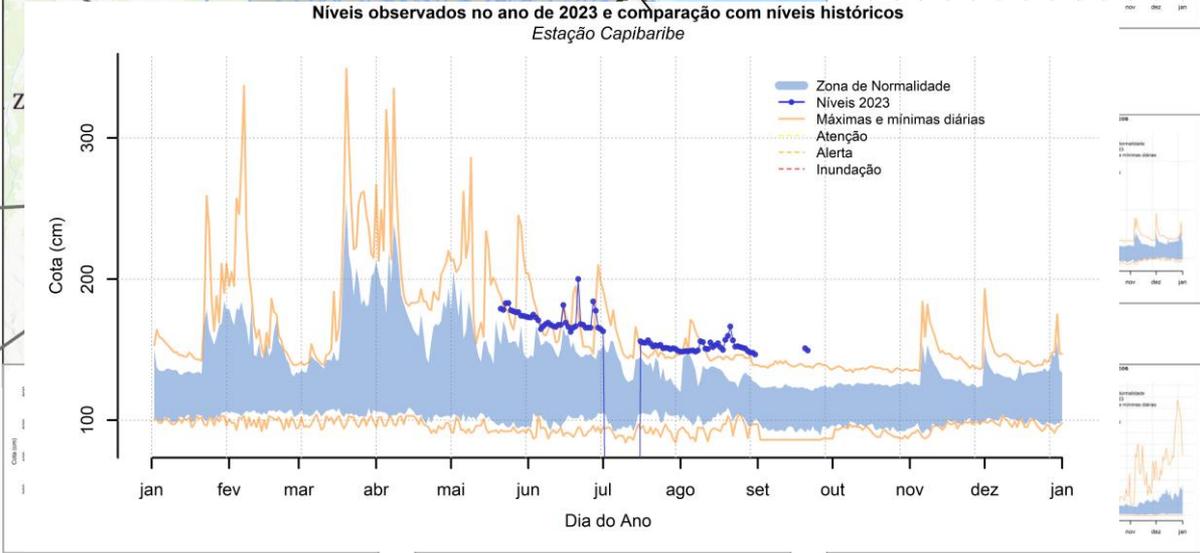
Níveis observados no ano de 2023 e comparação com níveis históricos
Estação Jaguaribe



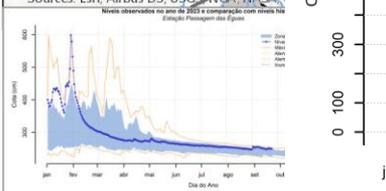
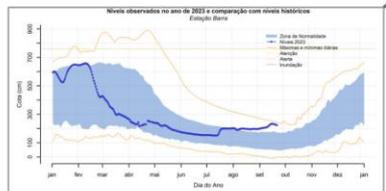
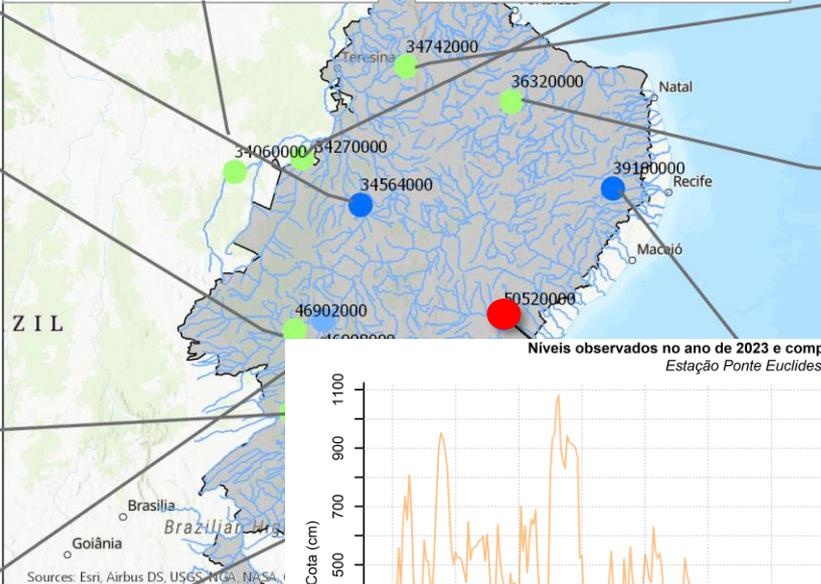
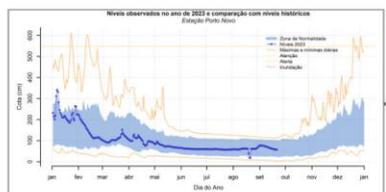
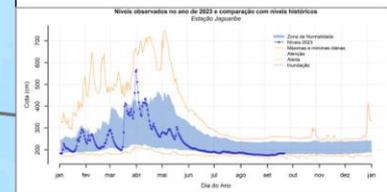
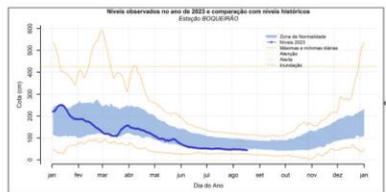
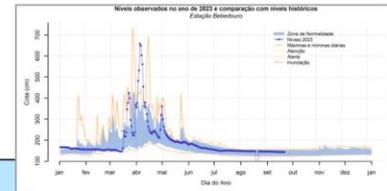
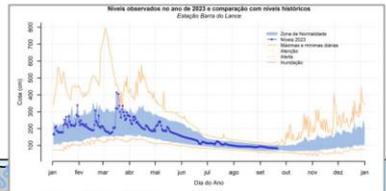
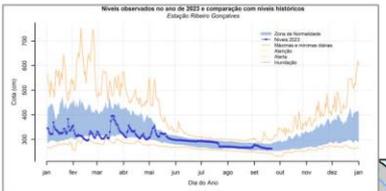
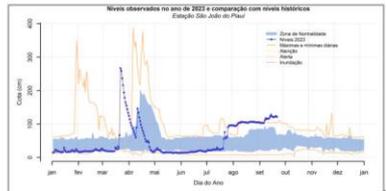
Níveis dos rios



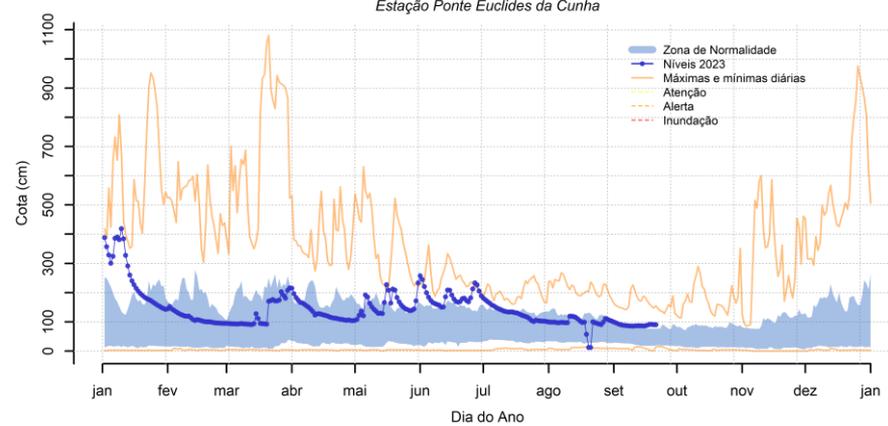
Níveis observados no ano de 2023 e comparação com níveis históricos
Estação Capibaribe



Níveis dos rios

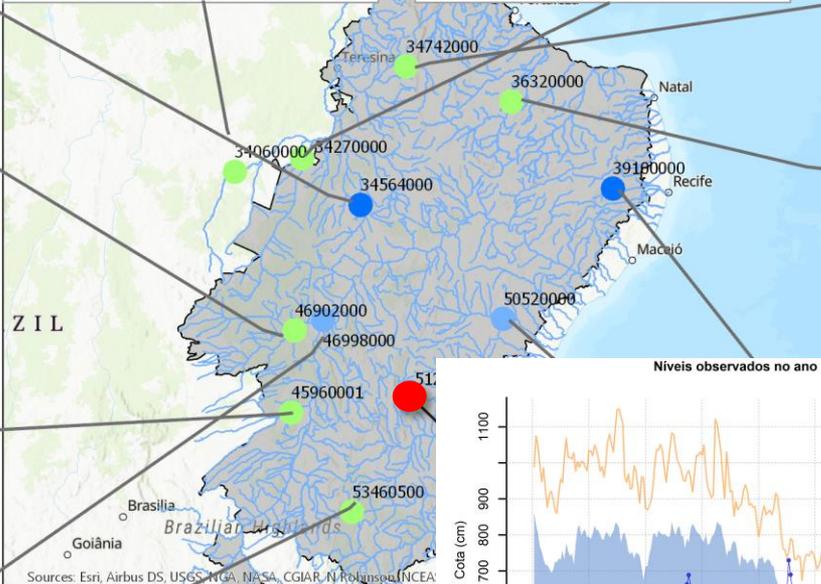
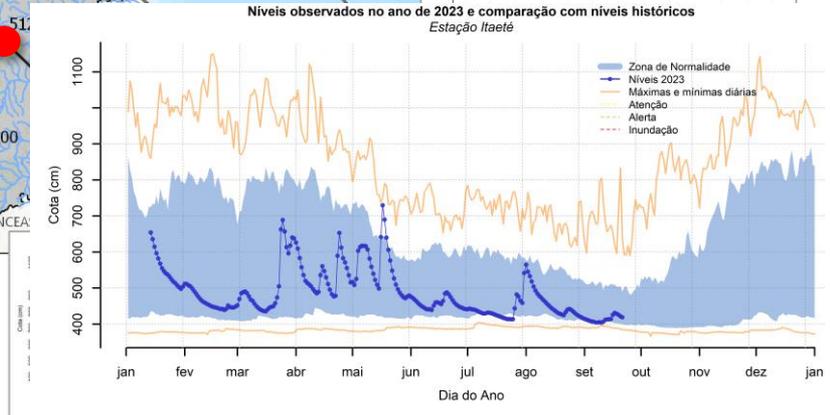
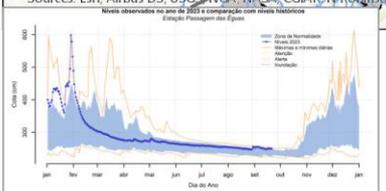
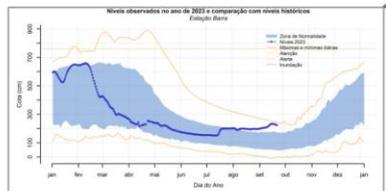
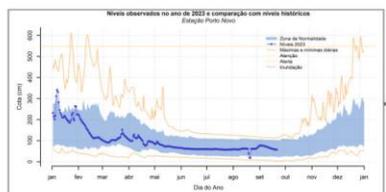
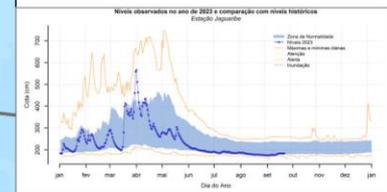
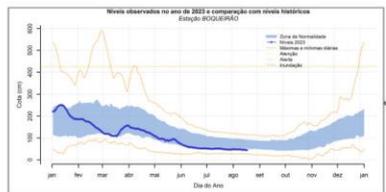
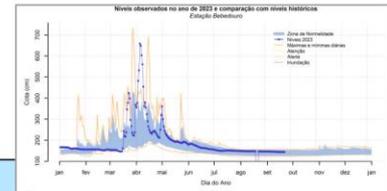
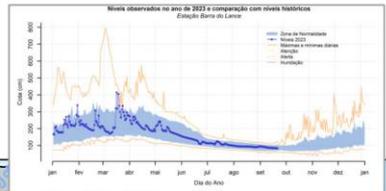
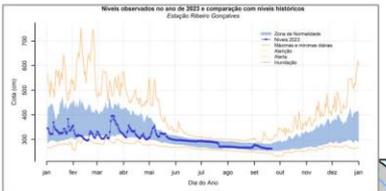
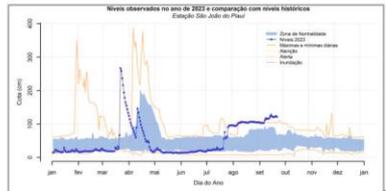


Níveis observados no ano de 2023 e comparação com níveis históricos
Estação Ponte Euclides da Cunha



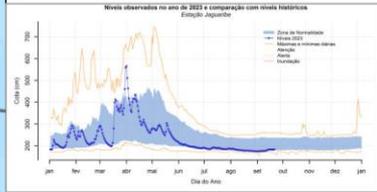
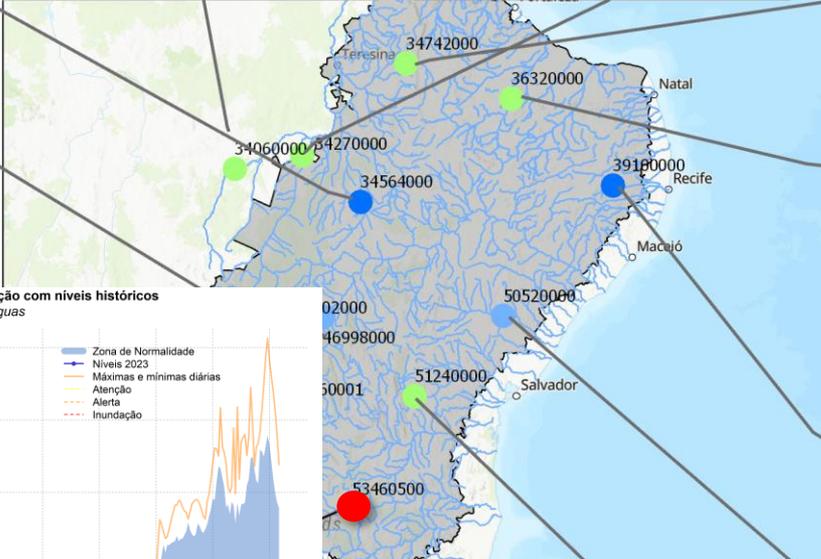
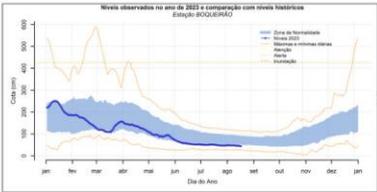
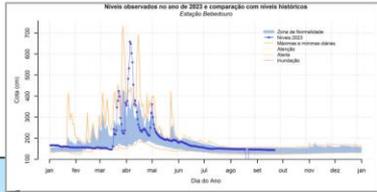
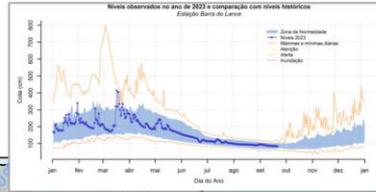
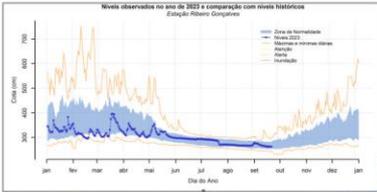
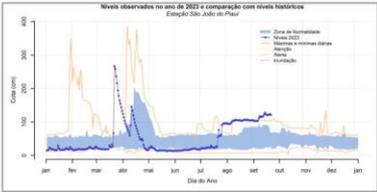
Sources: Esri, Airbus DS, USGS, NGA, NASA

Níveis dos rios



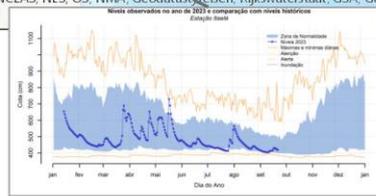
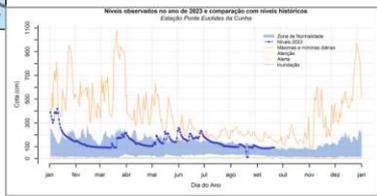
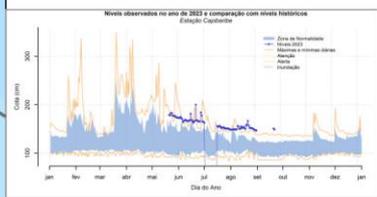
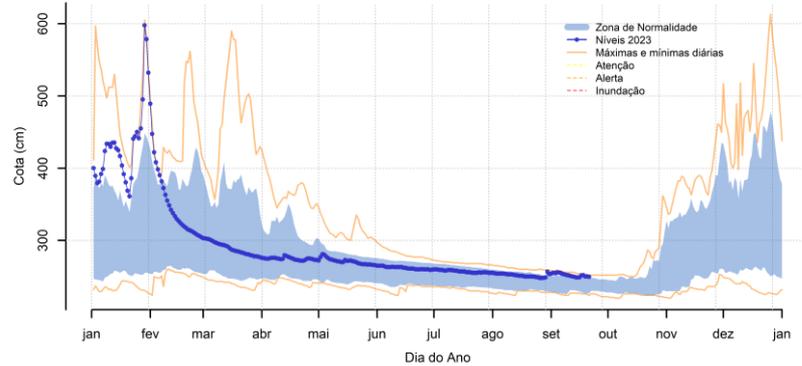
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, Robinson/NCEA

Níveis dos rios



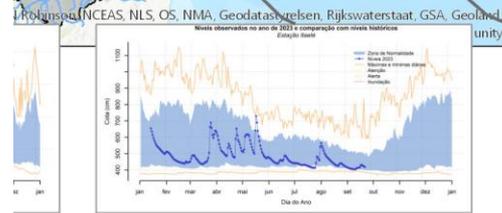
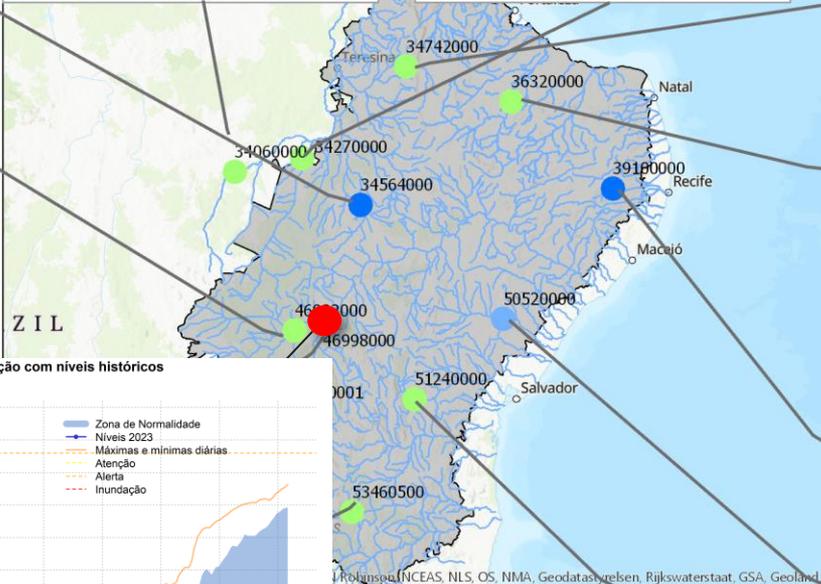
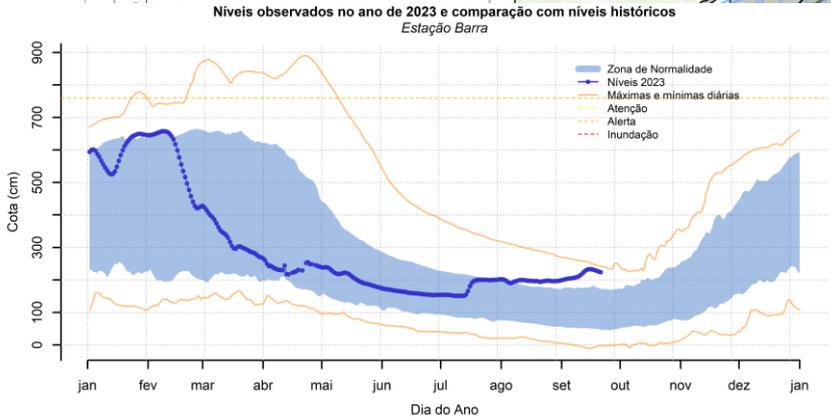
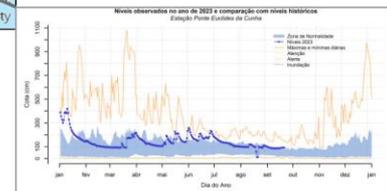
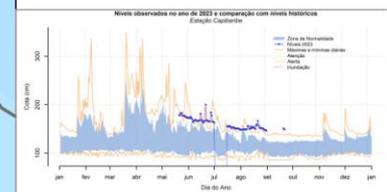
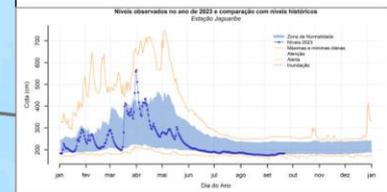
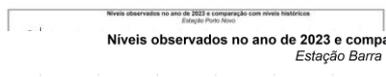
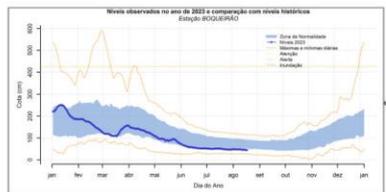
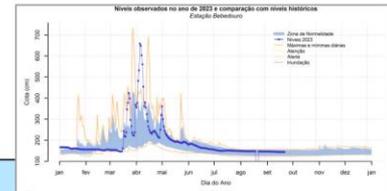
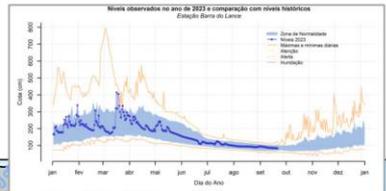
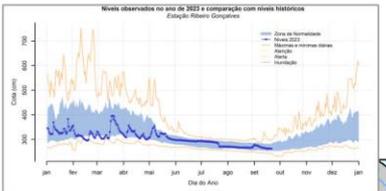
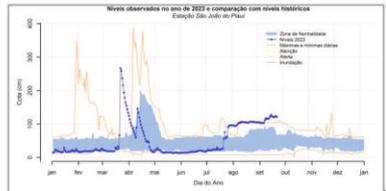
Níveis observados no ano de 2023 e comparação com níveis históricos

Estação Passagem das Éguas

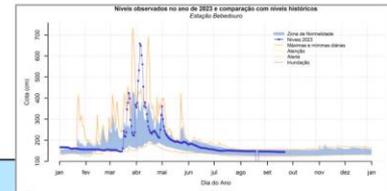
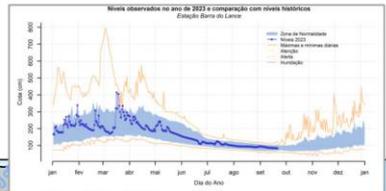
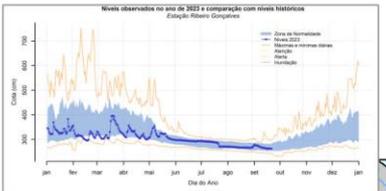
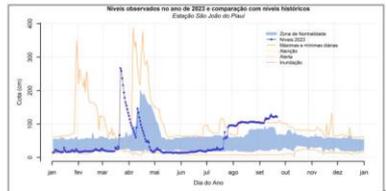


N. Robinson, INCEAS, NLS, OS, NMA, Geodatas, Gelsen, Rijkswaterstaat, GSA, Geoland, Unity

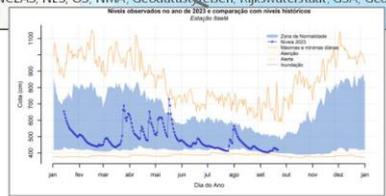
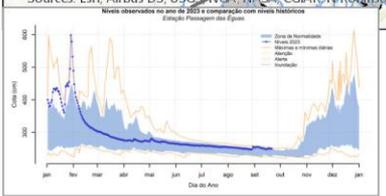
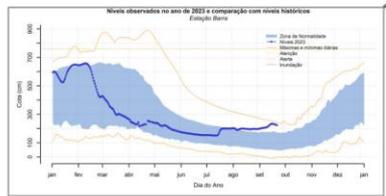
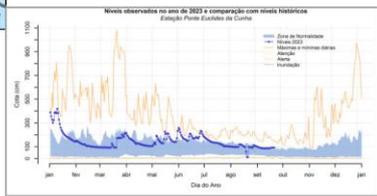
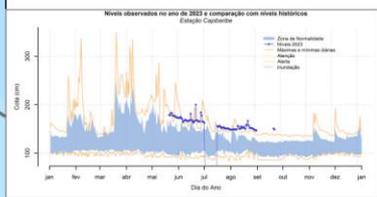
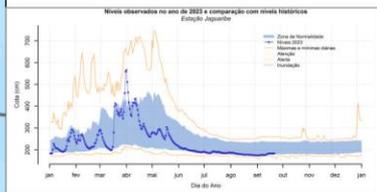
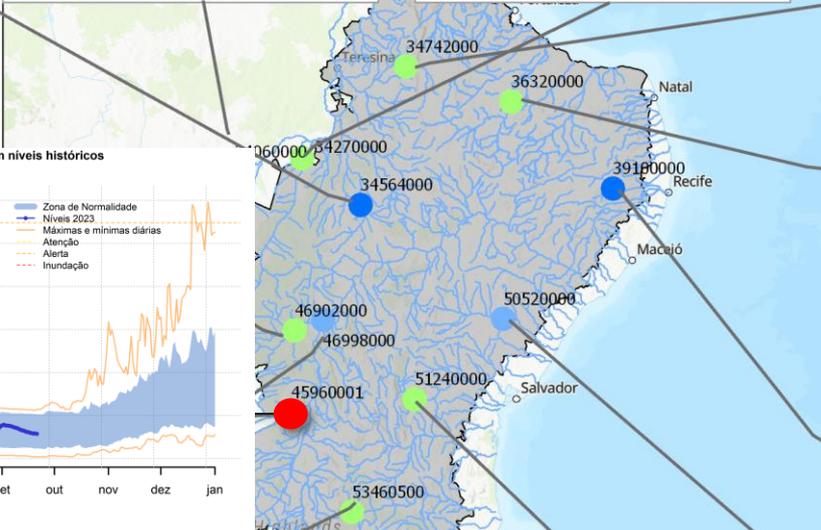
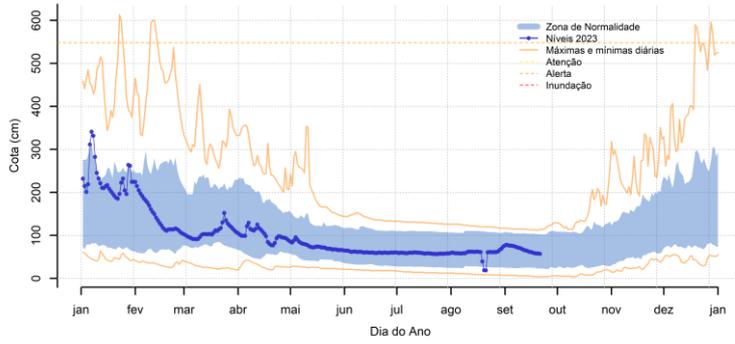
Níveis dos rios



Níveis dos rios



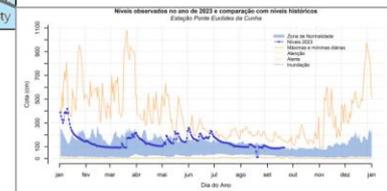
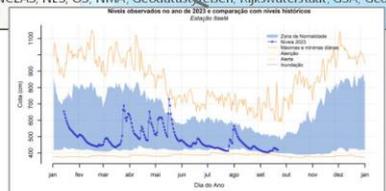
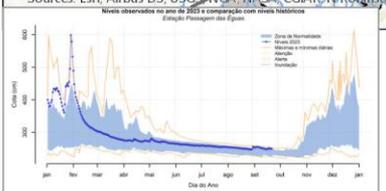
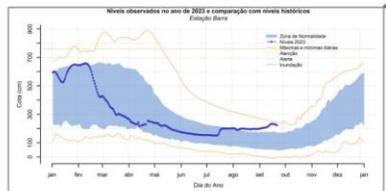
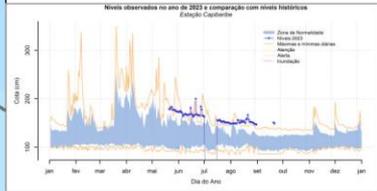
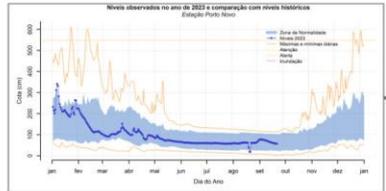
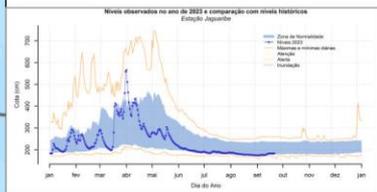
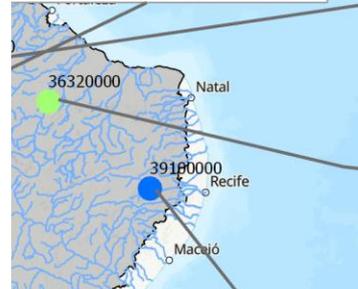
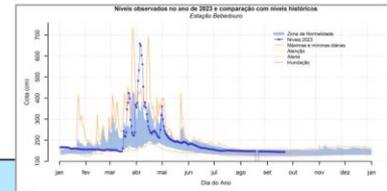
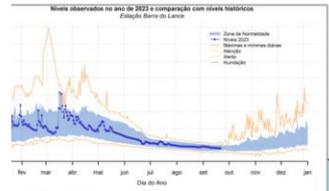
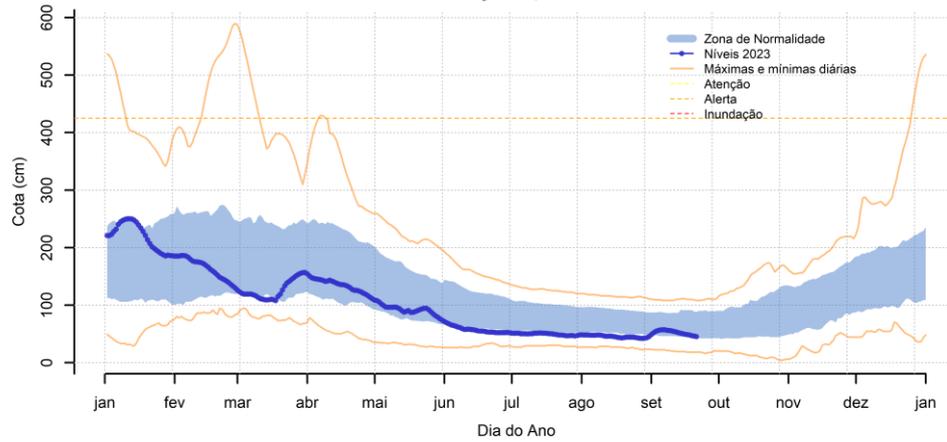
Níveis observados no ano de 2023 e comparação com níveis históricos
Estação Porto Novo



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, Robinson, NCEAS, NLS, OS, NMA, Geodataswelsen, Rijkswaterstaat, GSA, Geoland, Unity

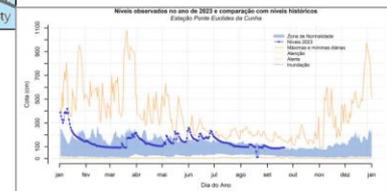
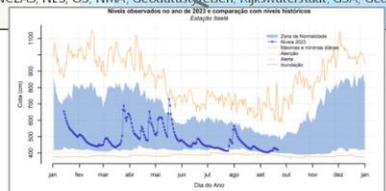
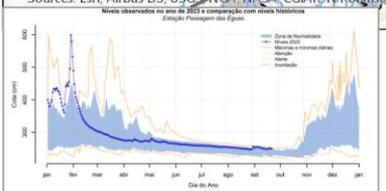
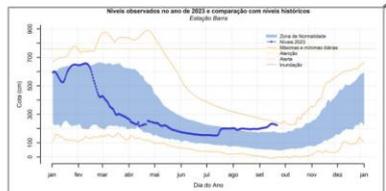
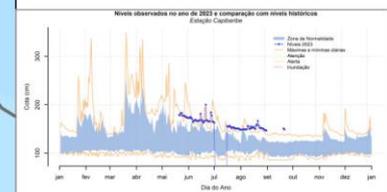
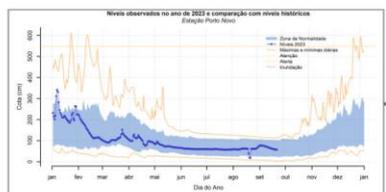
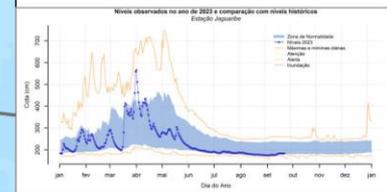
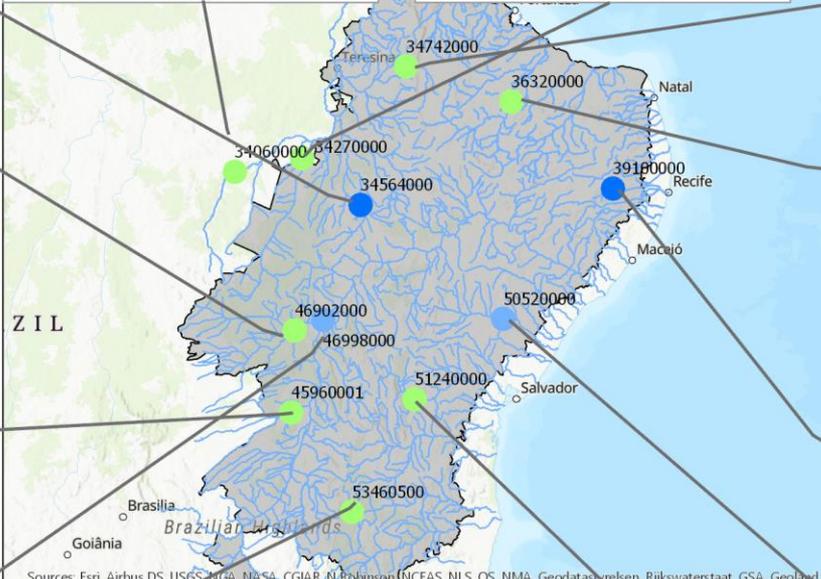
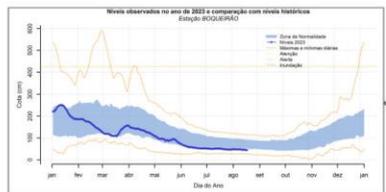
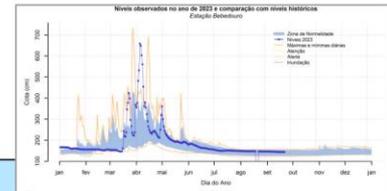
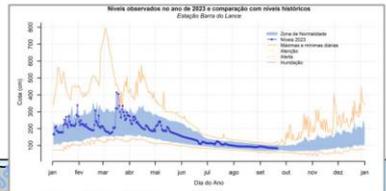
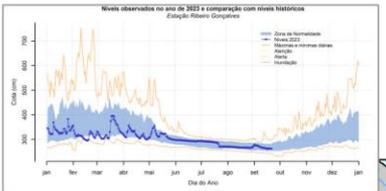
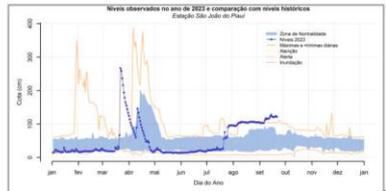
Níveis dos rios

Níveis observados no ano de 2023 e comparação com níveis históricos
Estação Boqueirão



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, Robinson, NCEAS, NLS, OS, NMA, Geodataswensen, Rijkswaterstaat, GSA, Geoland, Unity

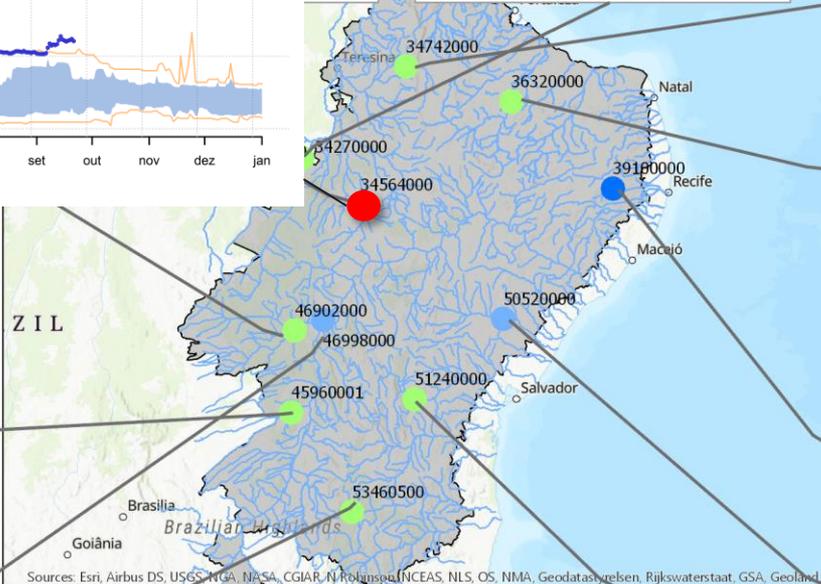
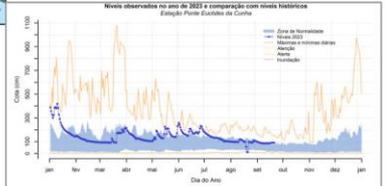
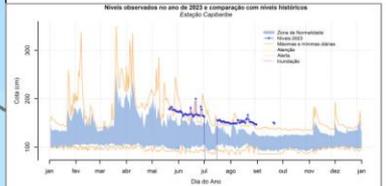
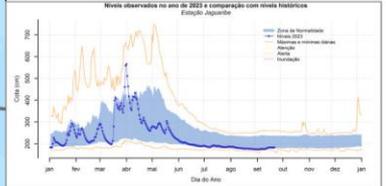
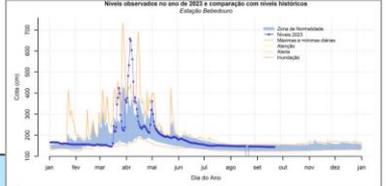
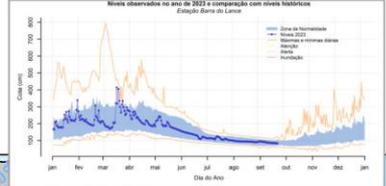
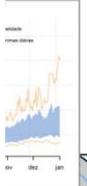
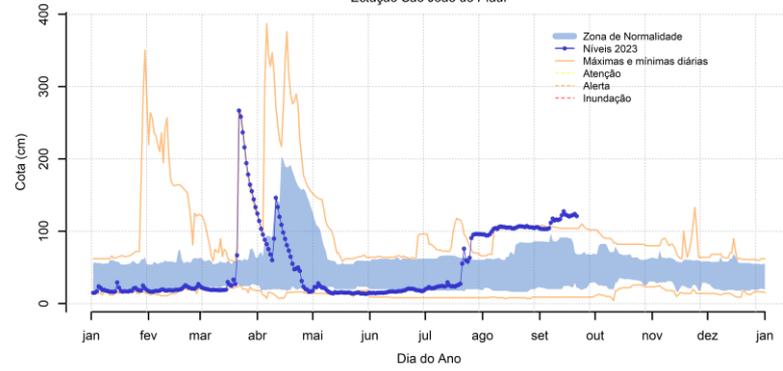
Níveis dos rios



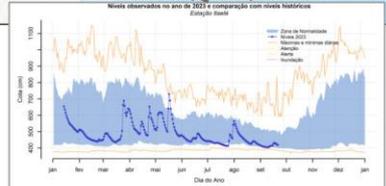
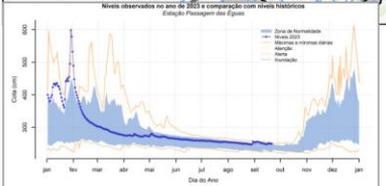
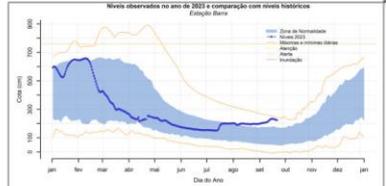
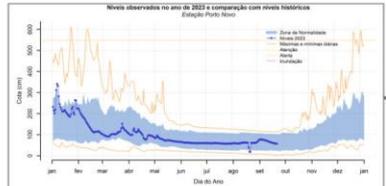
Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodataswelsen, Rijkswaterstaat, GSA, Geoland, unity

Níveis dos rios

Níveis observados no ano de 2023 e comparação com níveis históricos
Estação São João do Piauí



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N, Robinson, NCEAS, NLS, OS, NMA, Geodataswensen, Rijkswaterstaat, GSA, Geoland, Unity



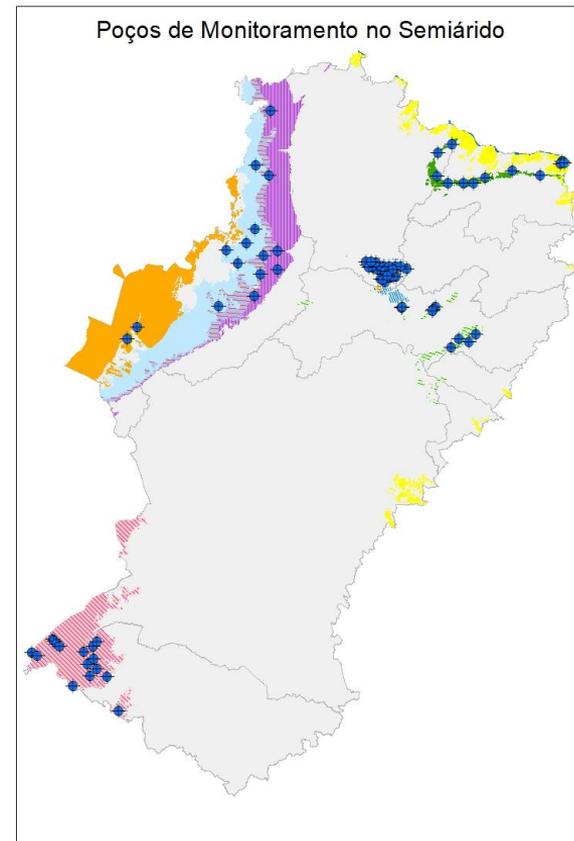
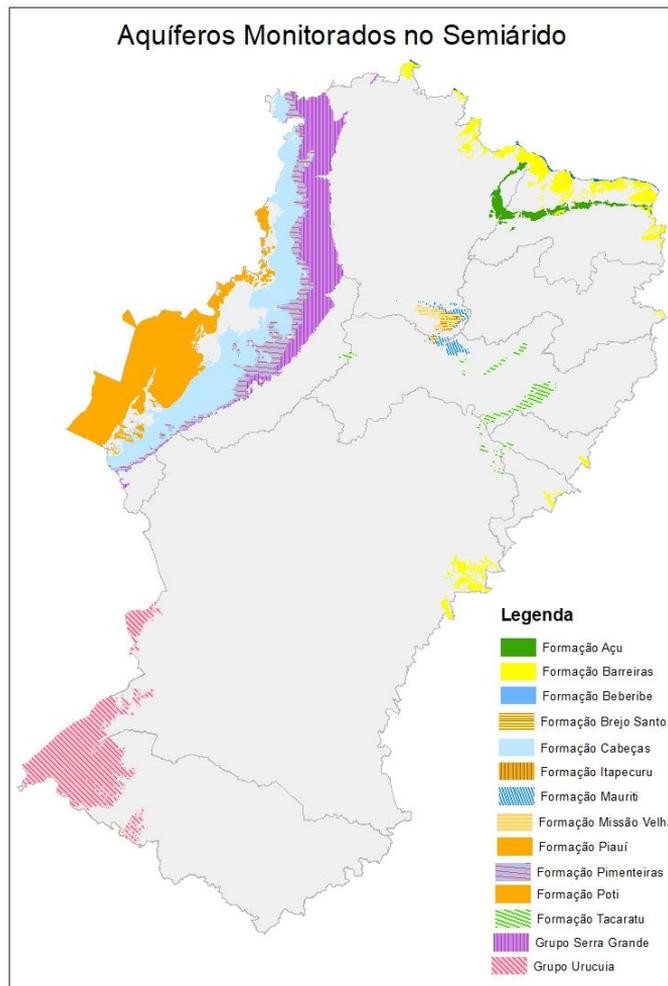
Níveis dos aquíferos



Rede Integrada de Monitoramento
das Águas Subterrâneas

79 pontos de
monitoramento das águas
subterrâneas no
semiárido.

- CE: 30 poços
- PE, RN, AL, PB: 31
poços
- BA, SE: 72
- PI, MA: 24



<https://rimasweb.sgb.gov.br/>

Níveis dos aquíferos



Rede Integrada de Monitoramento
das Águas Subterrâneas



FIGURA 2.3

FONTE: BOSCARDIN BORGHETTI et al. (2004), adaptado de IGM (2001)



FIGURA 2.3

FONTE: BOSCARDIN BORGHETTI et al. (2004), adaptado de IGM (2001)

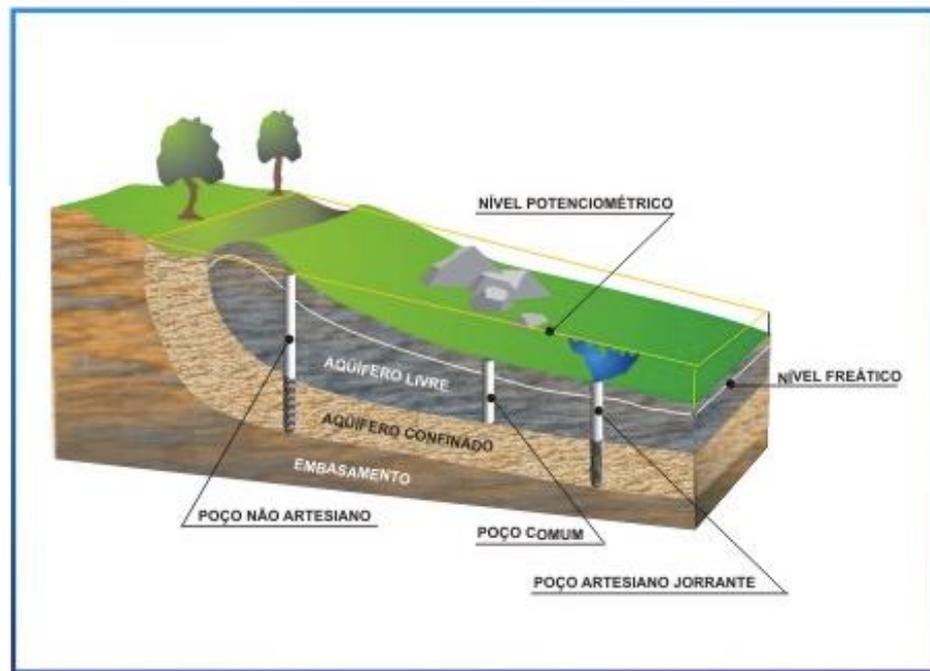
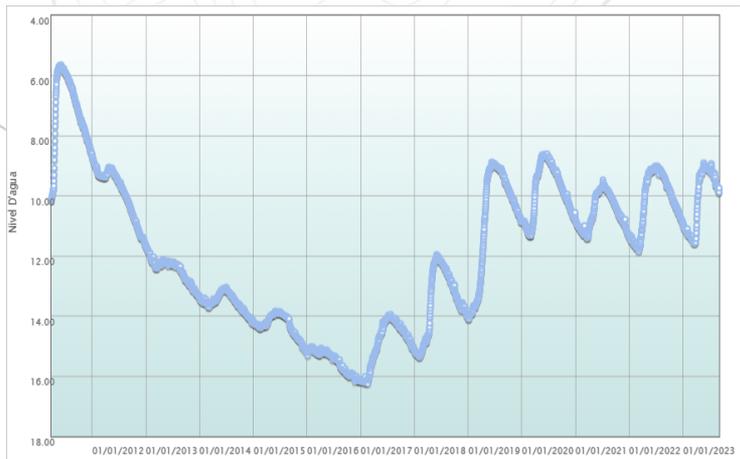
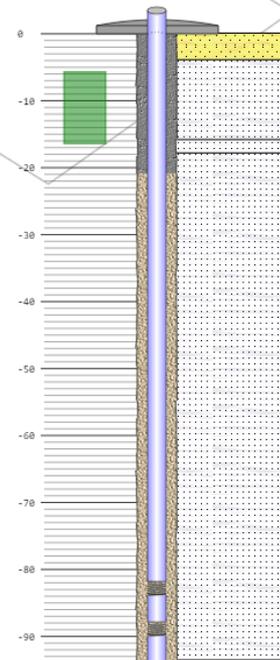


FIGURA 2.4

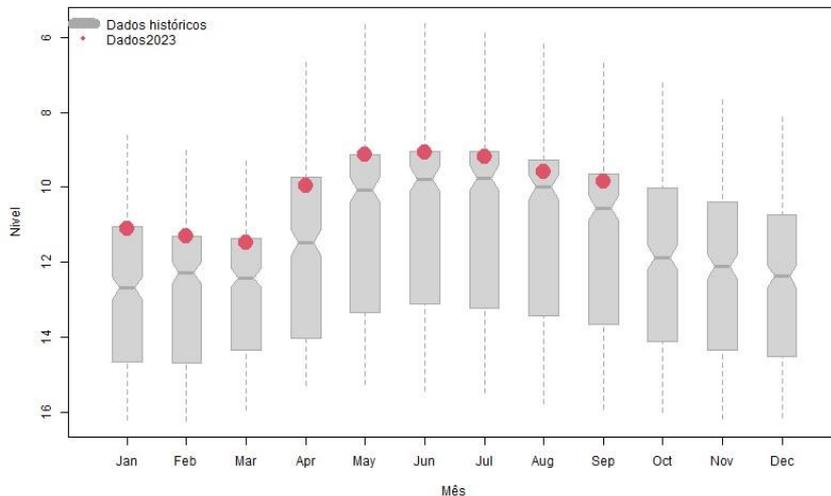
FONTE: BOSCARDIN BORGHETTI et al. (2004)

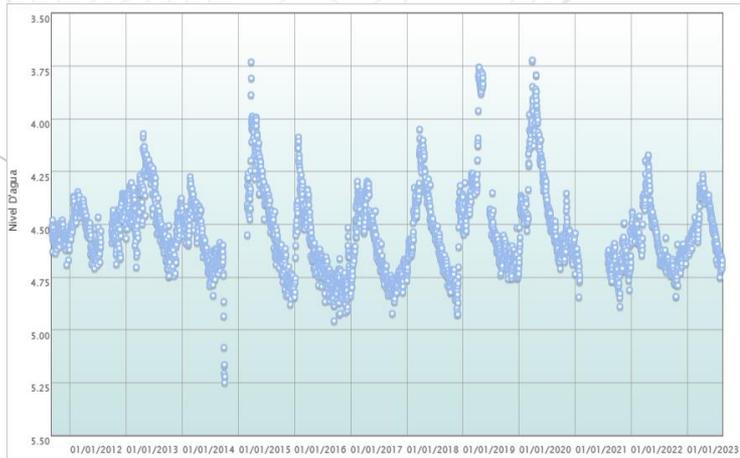


Cocal dos Alves-PI (livre)

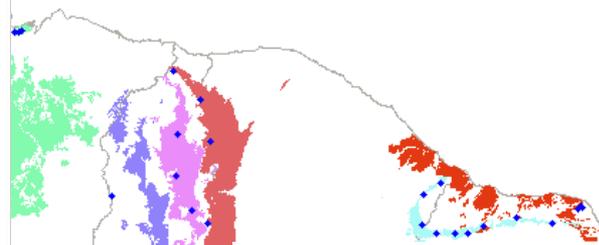


Box plots de níveis em Cocal dos alves (2200045223), incluindo o nível de 2023

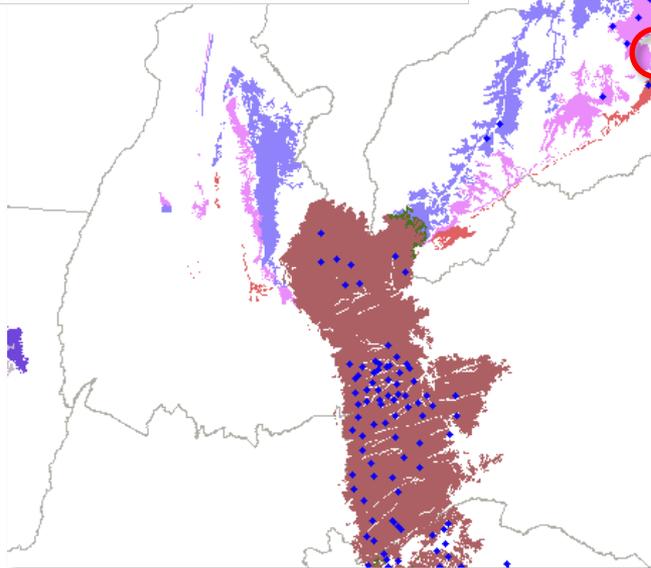
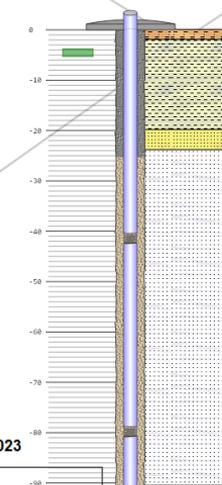
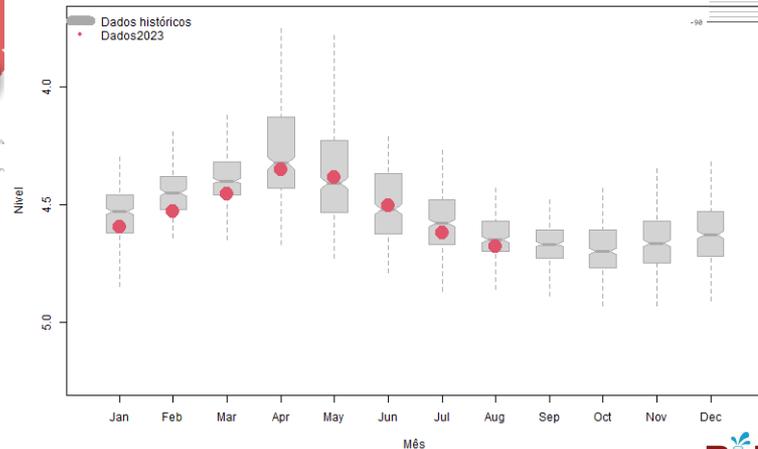


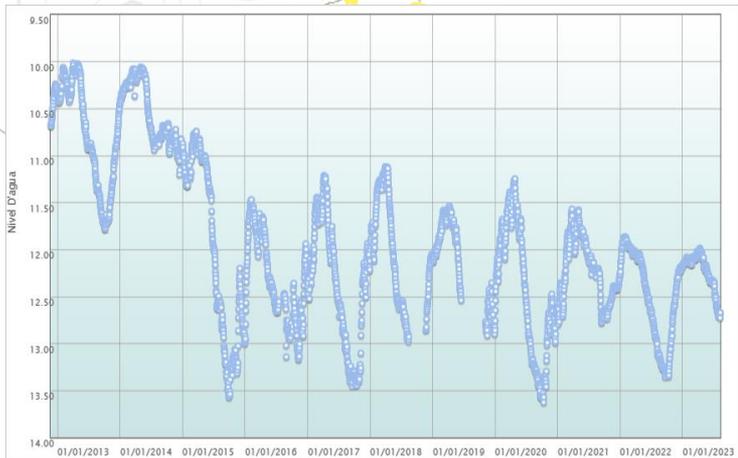


Itainópolis-PI (livre)

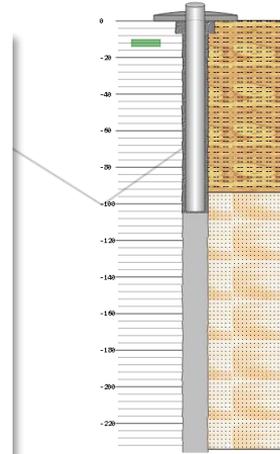
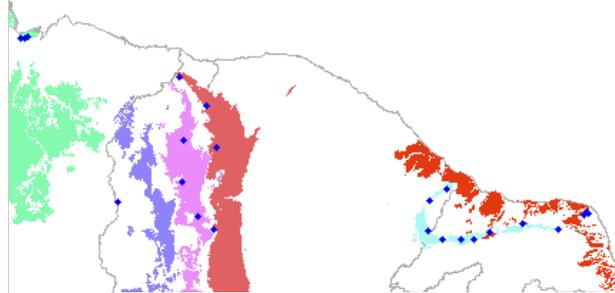


Box plots de níveis em Itainópolis (2200045222), incluindo o nível de 2023

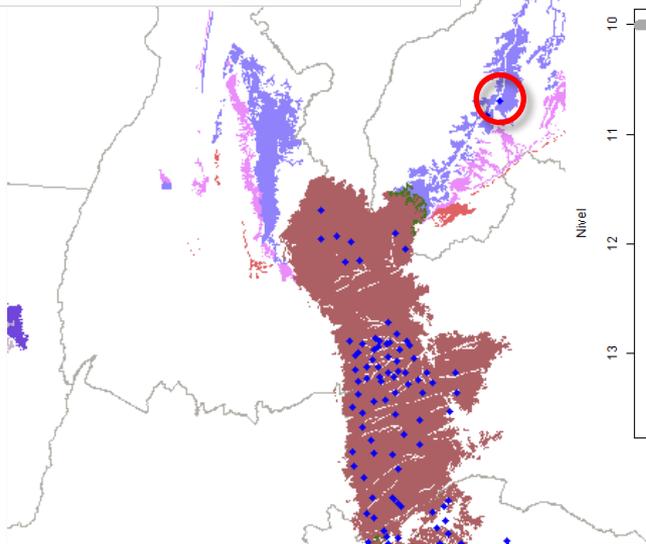
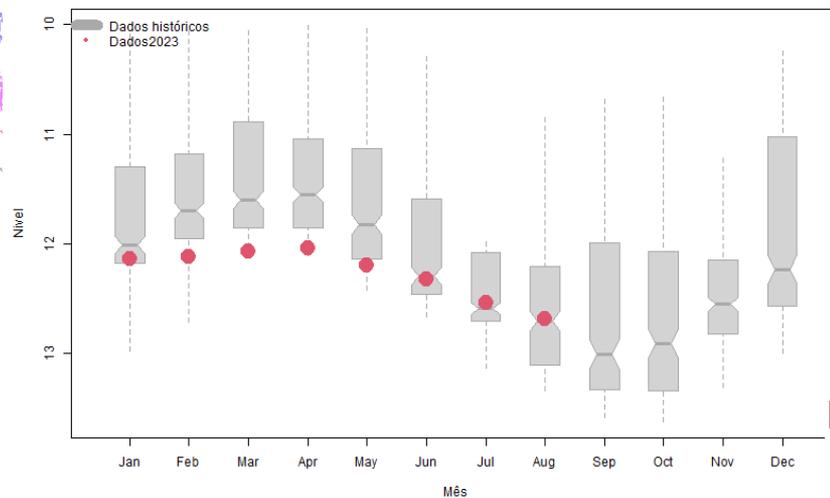




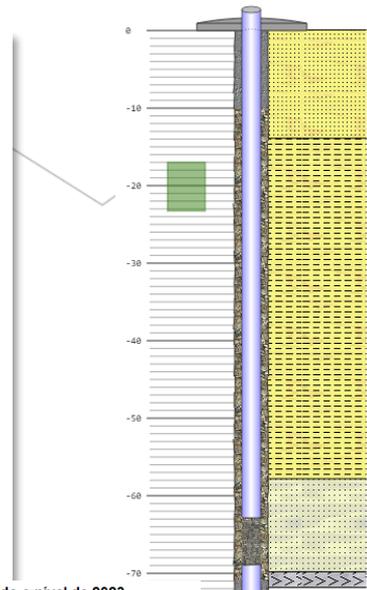
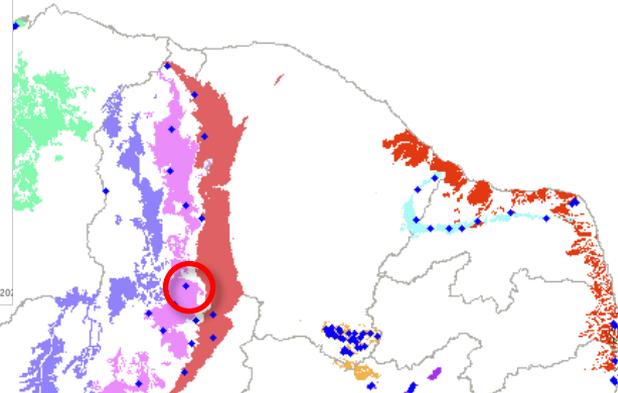
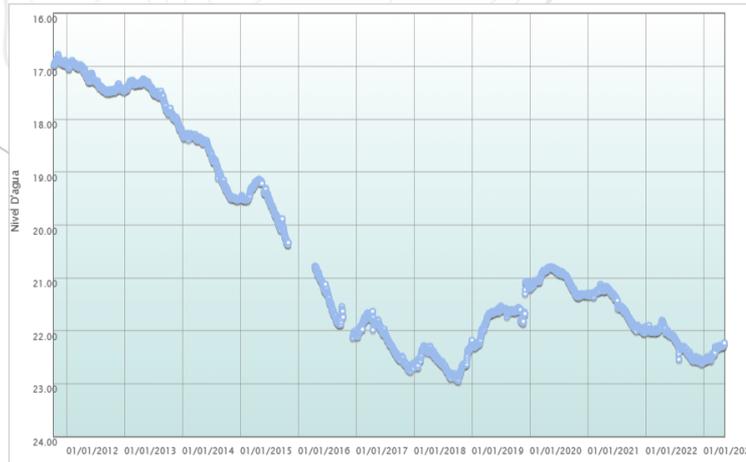
Vale da Gurguéia-PI (confinado)



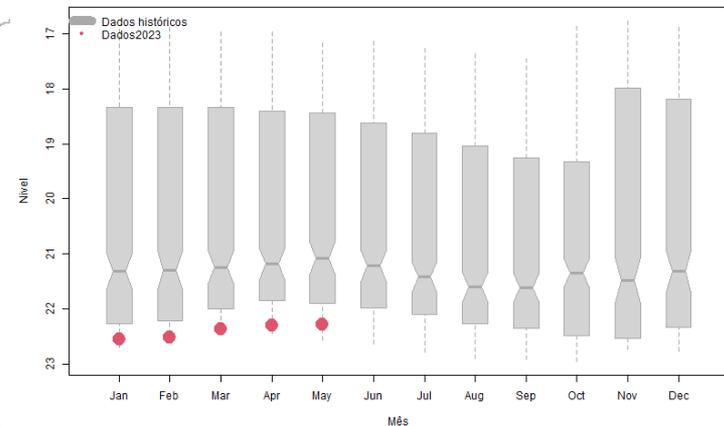
Box plots de níveis em Alvorada do gurgueia (2200017099), incluindo o nível de 2023

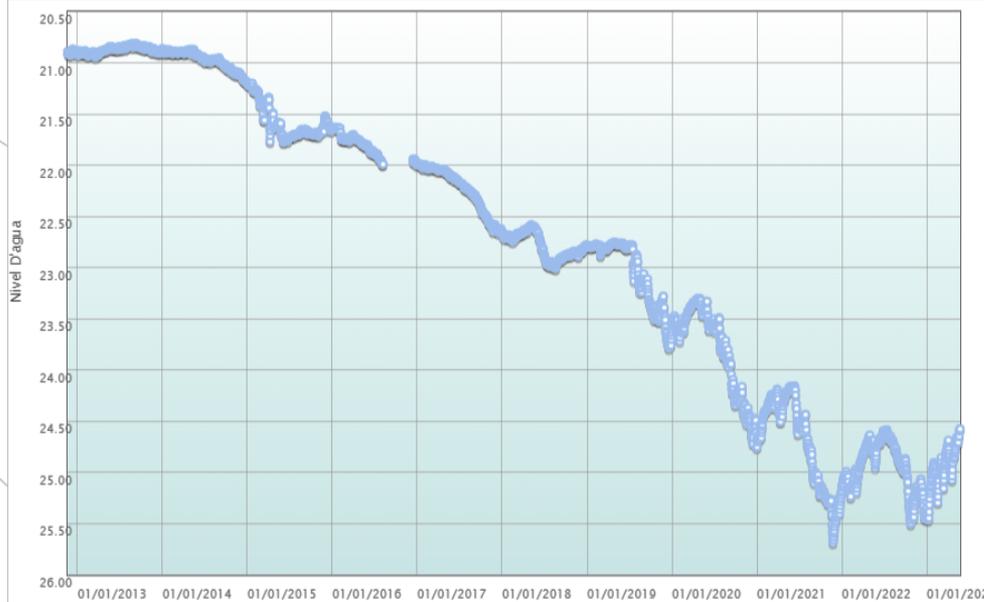


Lagoa do Sítio-PI (livre)

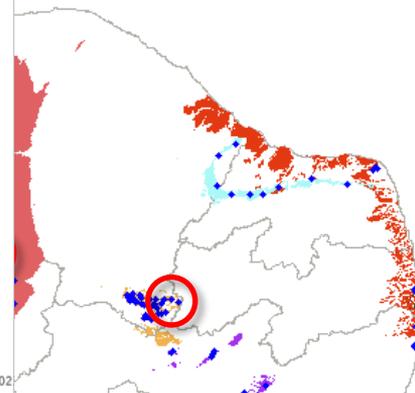


Box plots de níveis em Lagoa do sítio (2200046786), incluindo o nível de 2023

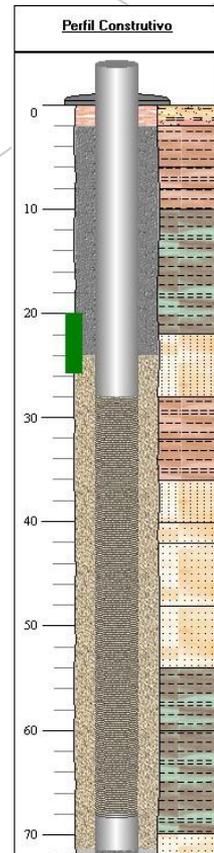
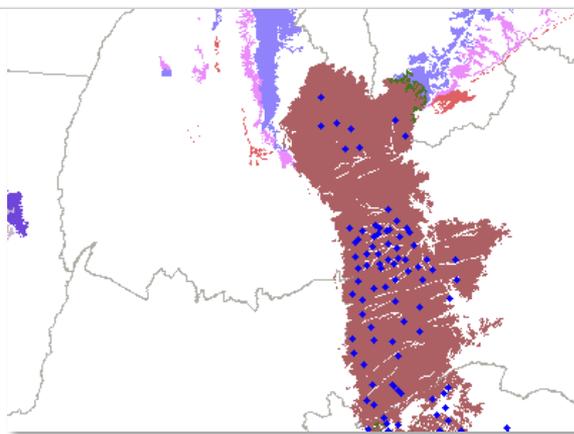
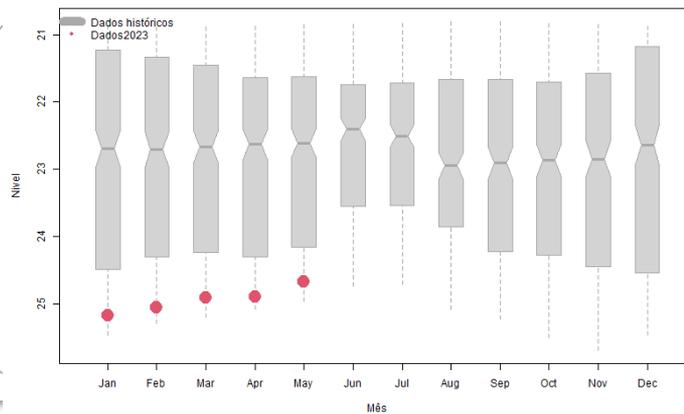


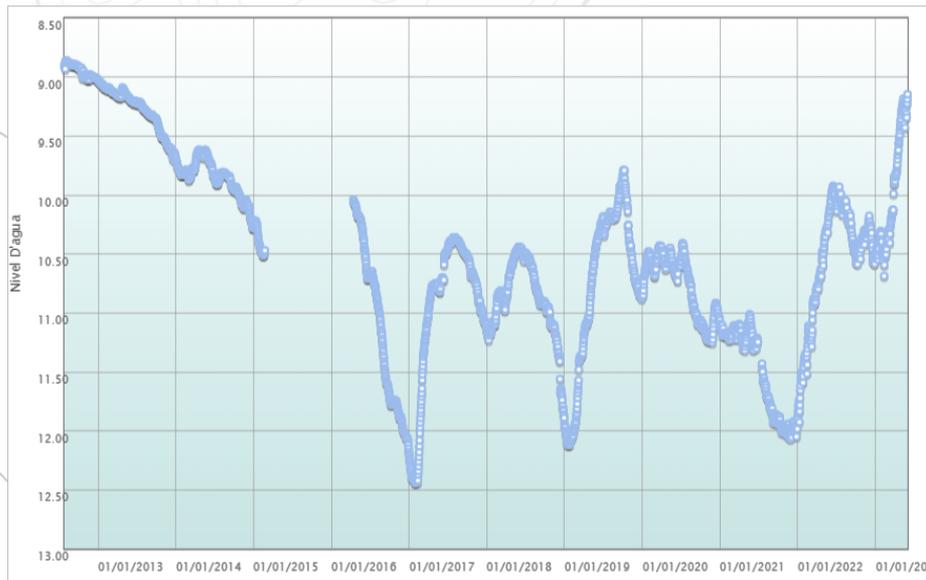


Abaiara-CE (livre)

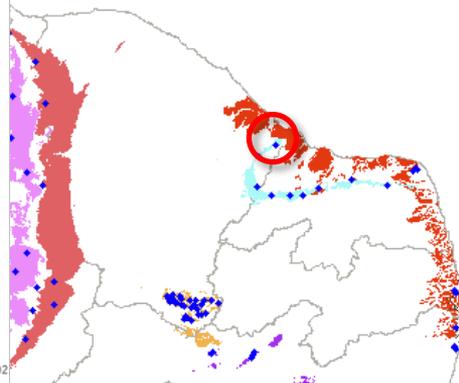


Box plots de níveis em Abaiara (2300022895), incluindo o nível de 2023

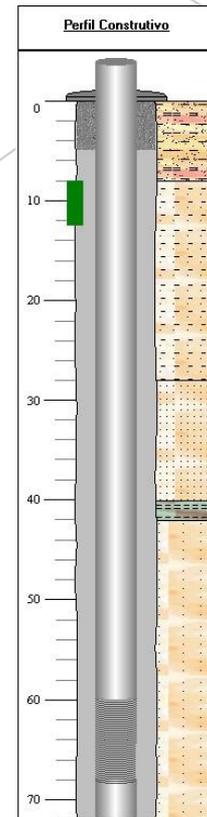
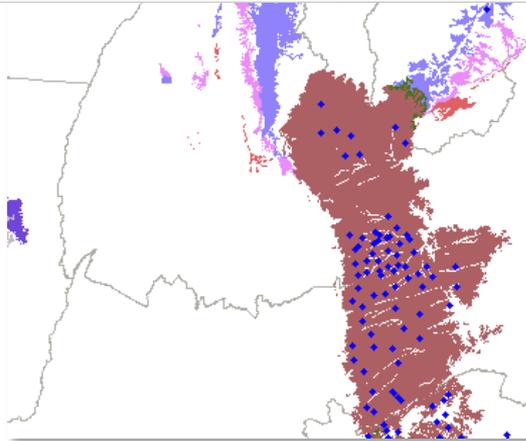
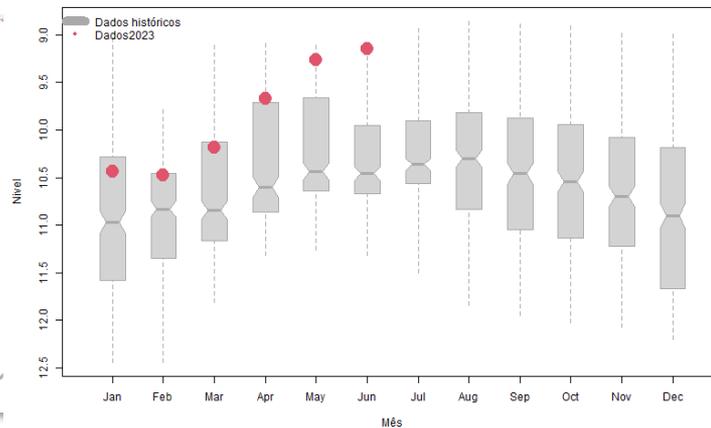


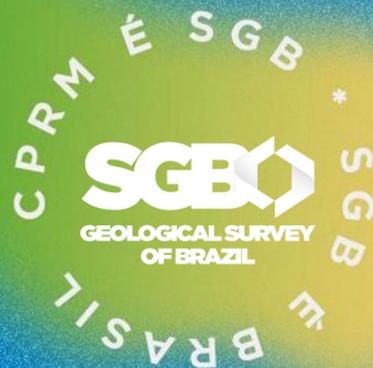


Jaguaruana-CE (semi-confinado)



Box plots de níveis em Jaguaruana (2300022949), incluindo o nível de 2023





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