



Cemaden
National Early Warning and
Monitoring Centre of Natural Disaster

MINISTRY OF
**SCIENCE, TECHNOLOGY,
INNOVATION AND COMMUNICATION**



GloFAS as a flood alert system in Brazil civil protection: performance analysis

Cemaden
Brazilian Centre for Natural Disasters
Monitoring and Early Warning

Marcio Moraes
Researcher in Hydrology



UNITAU
Universidade de Taubaté

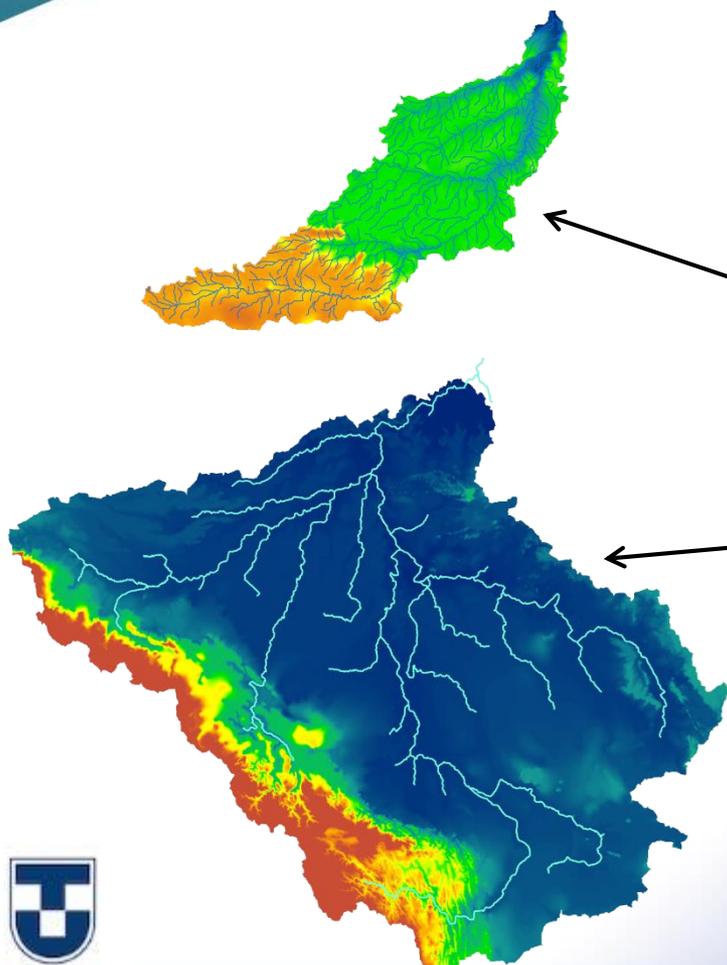


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GloFAS: Case studies



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GloFAS: Case studies

Madeira River Floods - 2014





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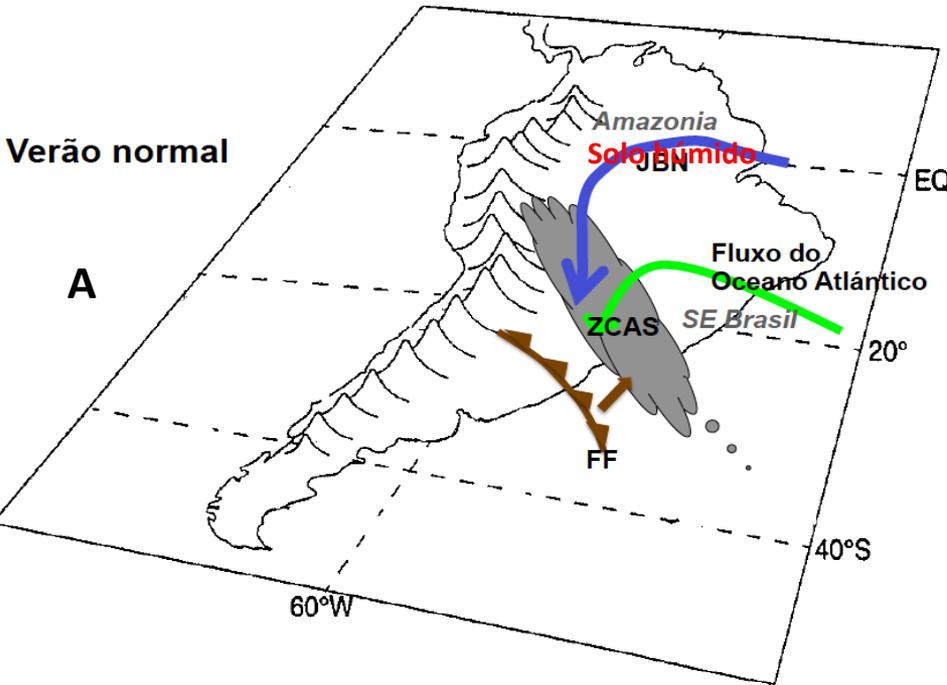
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Moisture Transport in Amazon to South and Southeast during 2014 summer

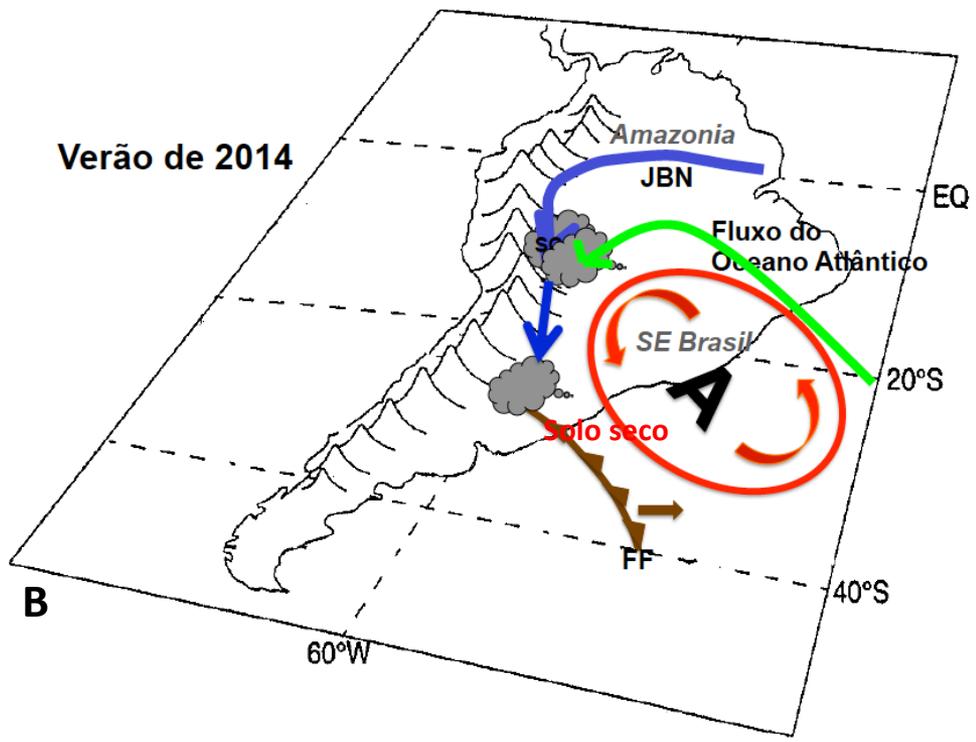
Verão normal

A



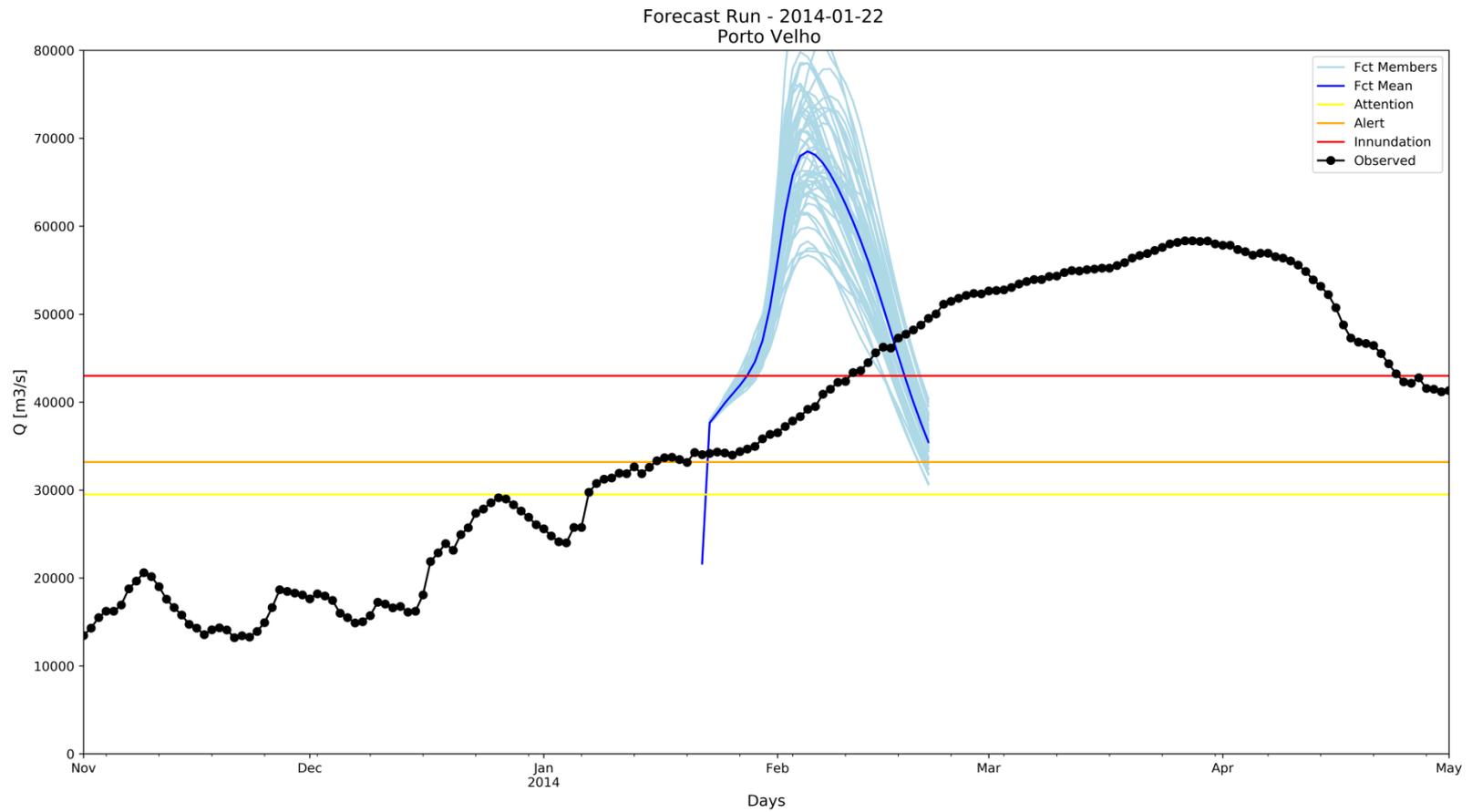
Verão de 2014

B



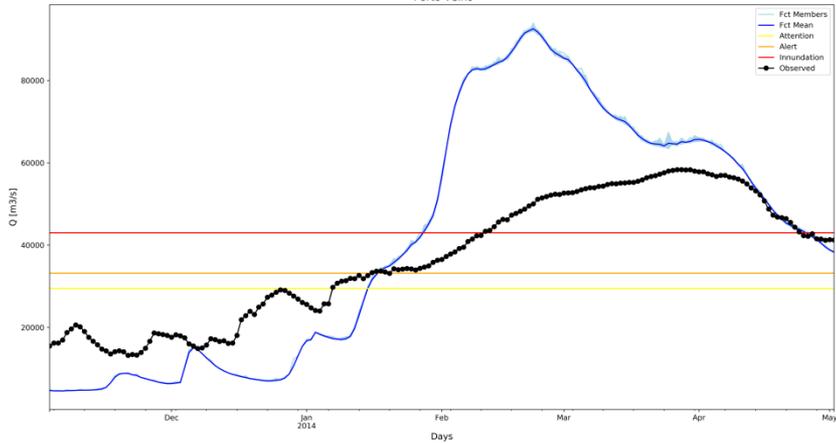
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Madeira results

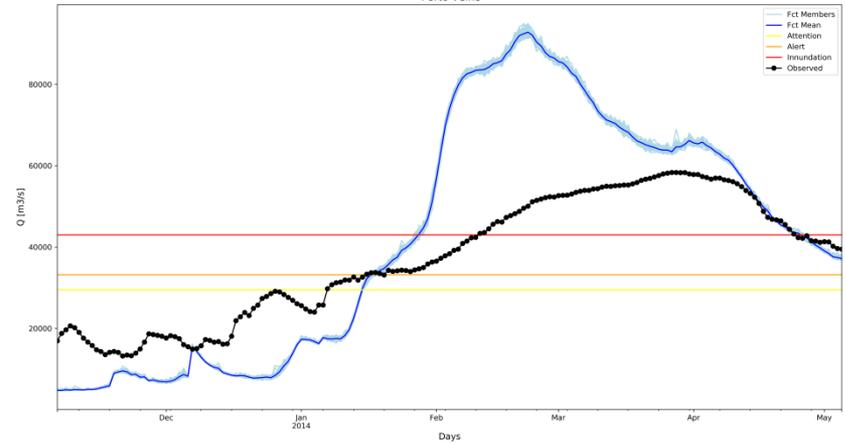


Madeira results

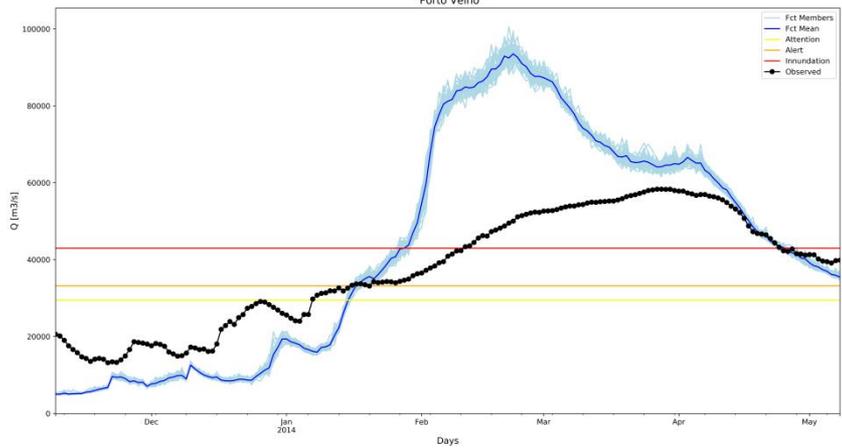
Forecast X Observed -2 days lead time
Porto Velho



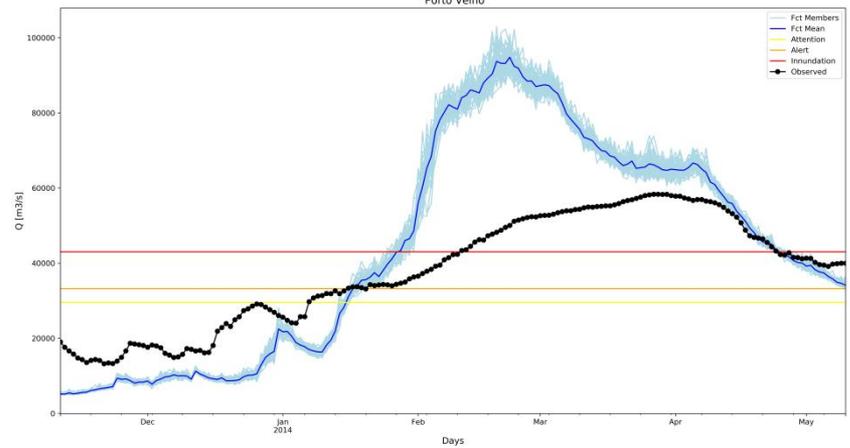
Forecast X Observed -5 days lead time
Porto Velho



Forecast X Observed -8 days lead time
Porto Velho



Forecast X Observed -10 days lead time
Porto Velho

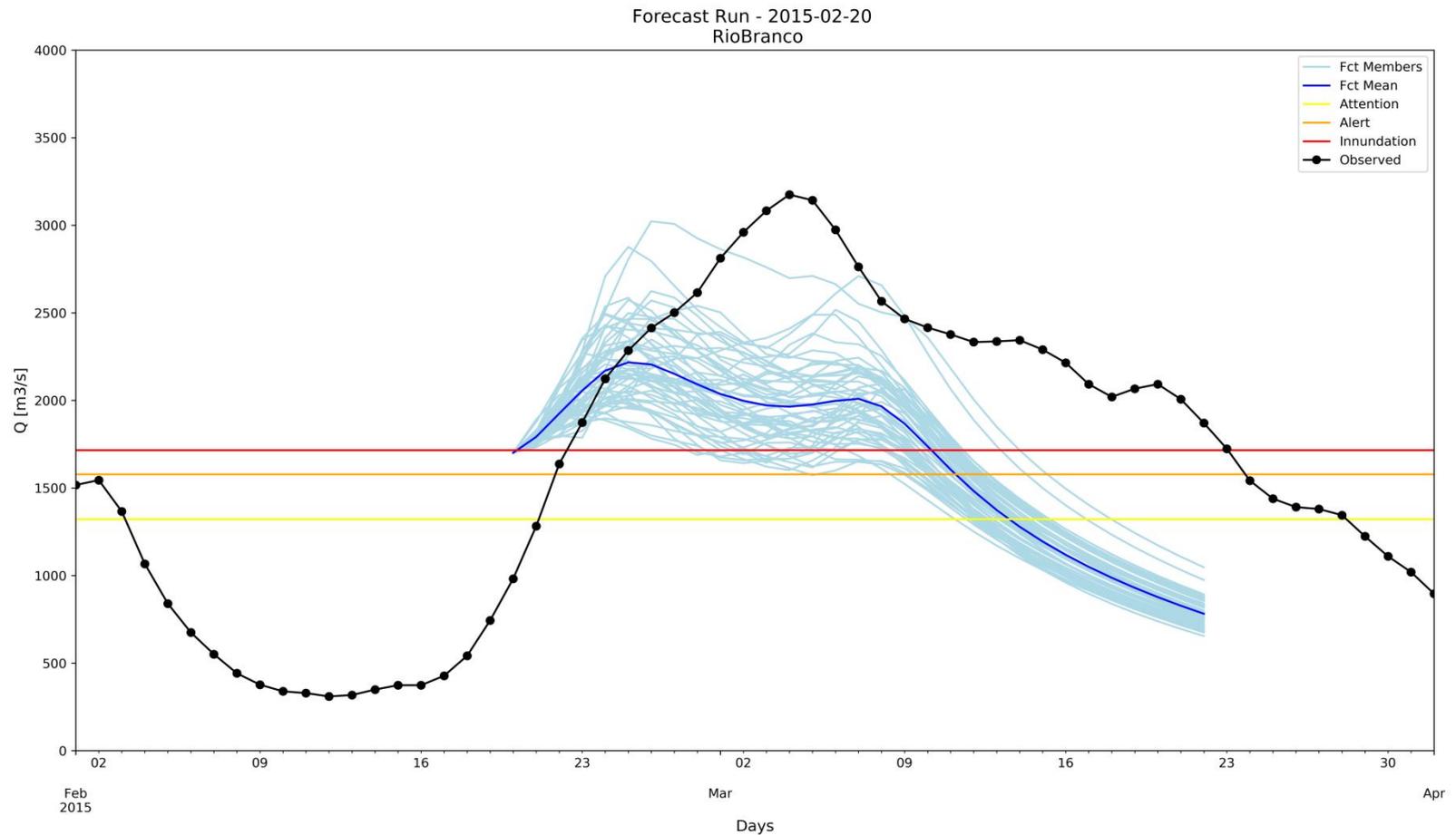


GloFAS: Case studies

Acre River Floods - 2015

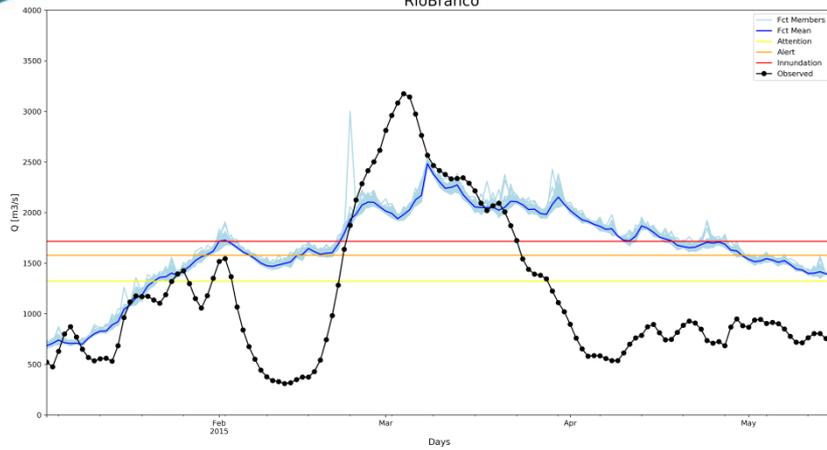


Acre results

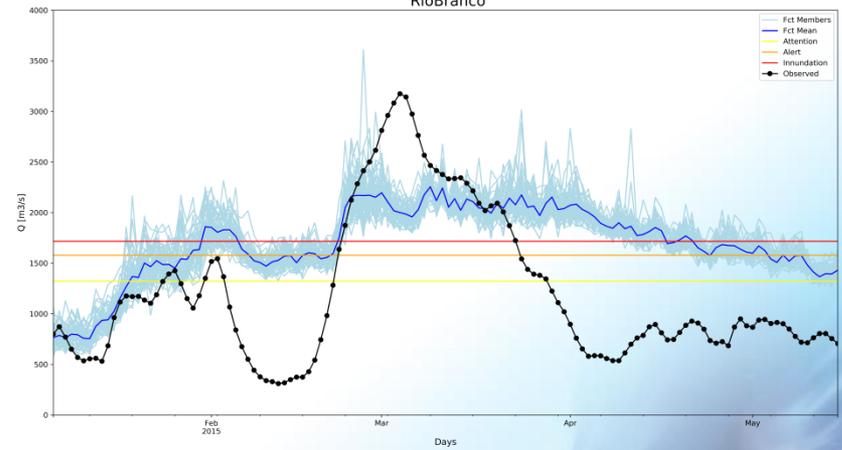


Acre results

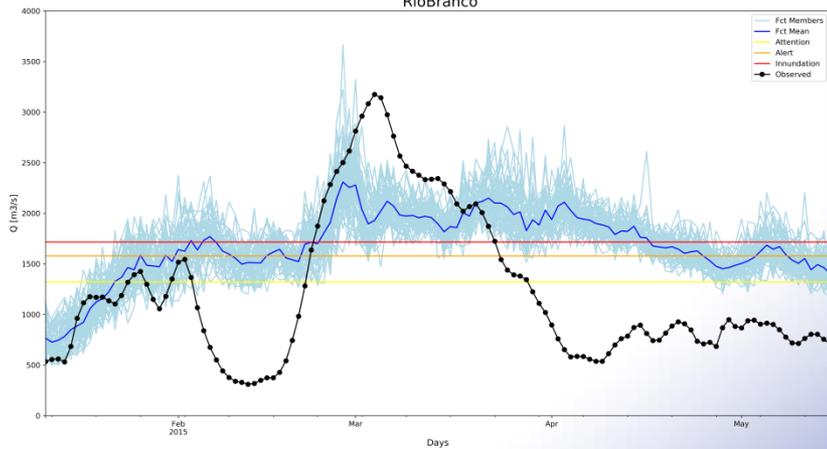
Forecast X Observed -2 days lead time
RioBranco



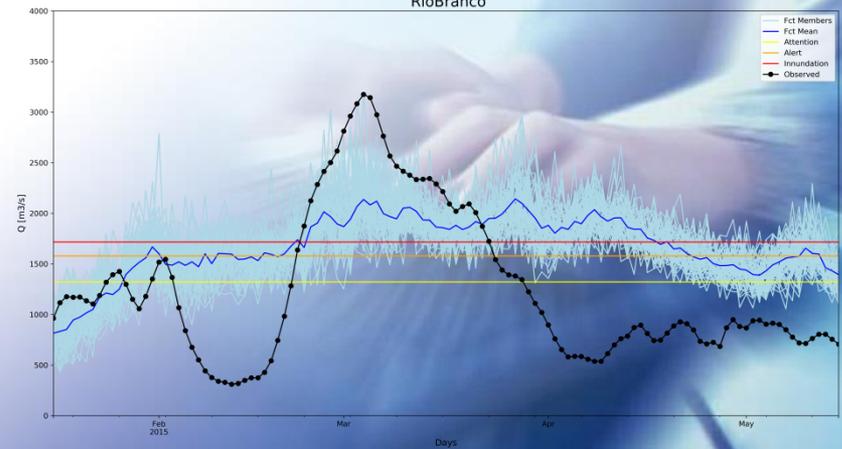
Forecast X Observed -5 days lead time
RioBranco



Forecast X Observed -10 days lead time
RioBranco



Forecast X Observed -15 days lead time
RioBranco



Luzilândia entra em alerta de inundação após aumento da vazão de usina

Vazão da Boa Esperança aumentou para 1.400 m³/s ao meio-dia de hoje. Em Luzilândia, o rio está a 10cm de atingir a cota de inundação.

11/04/2018 19:20h



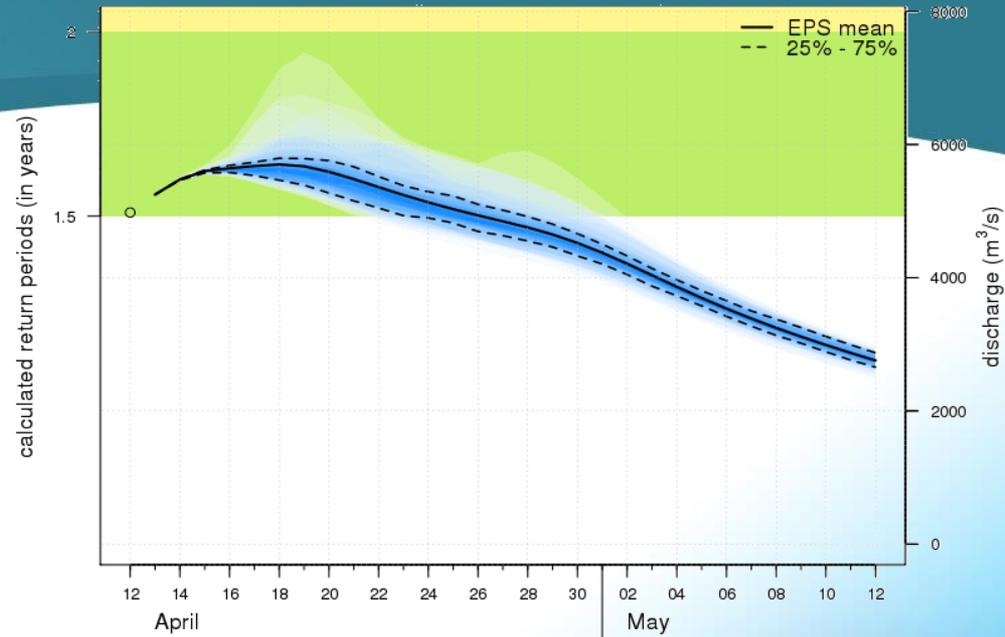
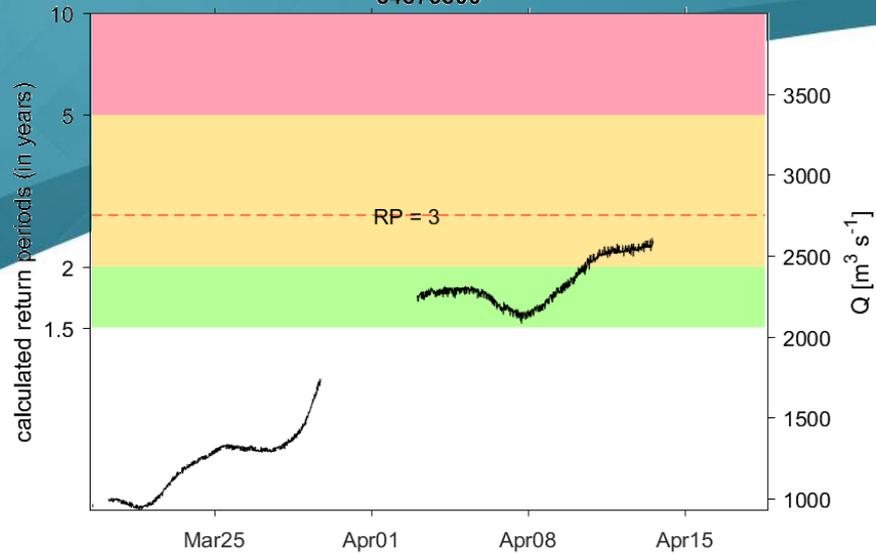
Por causa das chuvas ocorridas nos últimos dias e visando manter reserva de capacidade de armazenamento no reservatório da Usina da Boa Esperança, que atingiu 92% nesta quarta-feira (11), a Companhia Hidrelétrica do São Francisco (Chesf) informou que a vazão defluente (volume de água que sai da usina) foi elevada para 1.400 m³/s a partir do meio-dia de hoje. Com isso, o nível do rio aumentou consideravelmente nas últimas horas. Em Luzilândia, o Rio Parnaíba está a apenas 10cm de atingir a cota de inundação. A previsão é do Serviço Geológico do Brasil (CPRM).



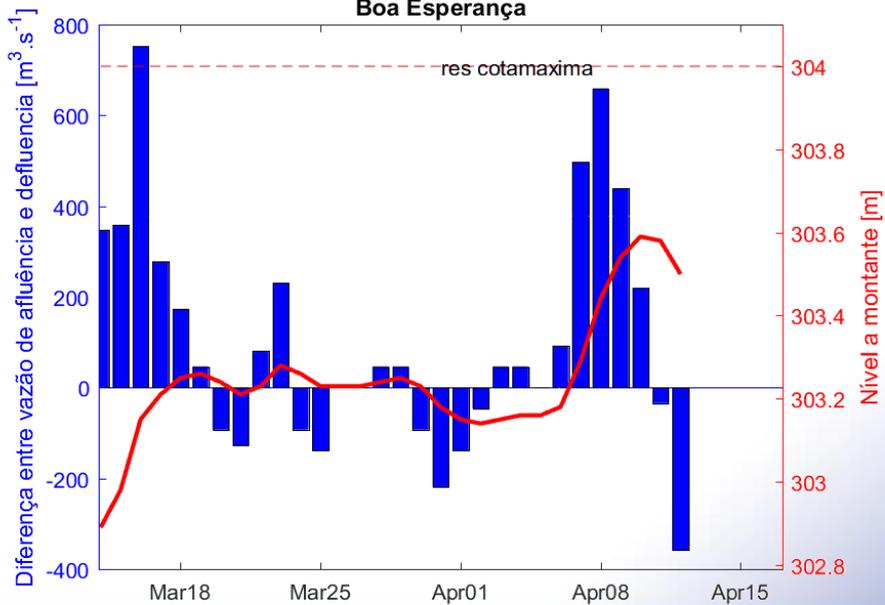
Luzilândia entra em alerta de inundação após aumento da vazão de usina. (Foto: Divulgação/Chesf)

LUZILÂNDIA

34879500

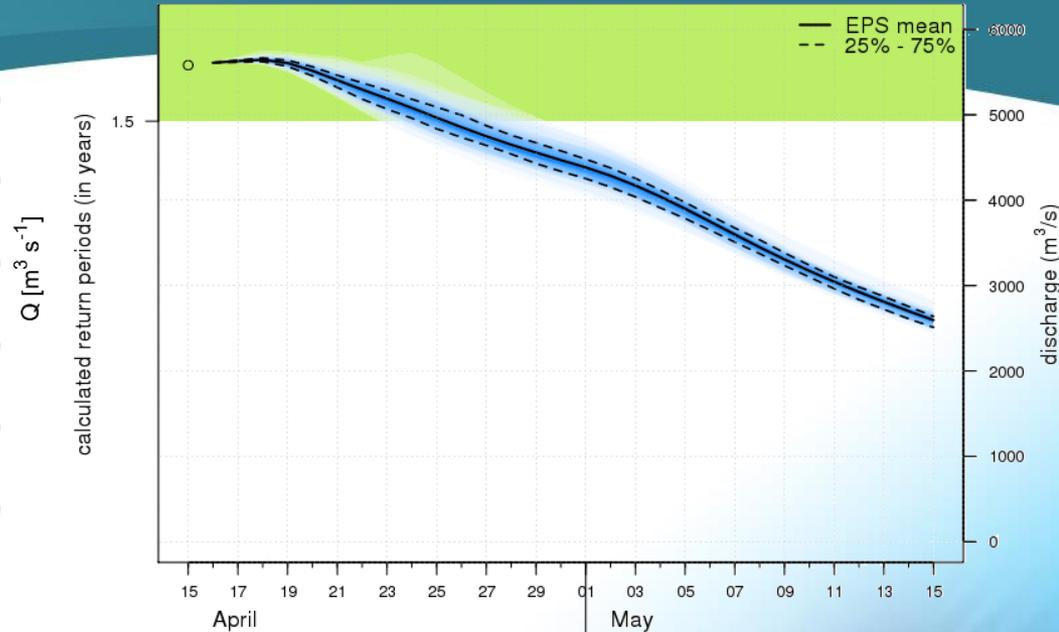
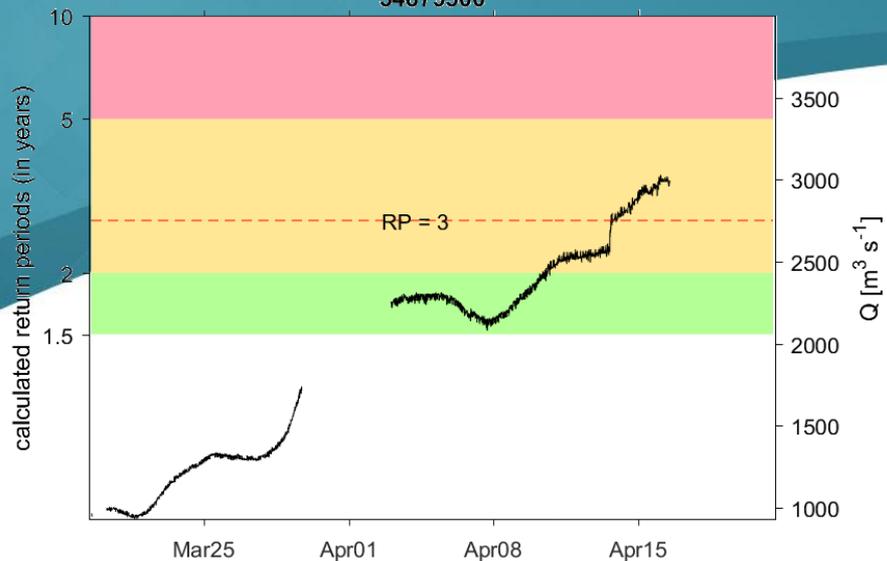


Boa Esperança

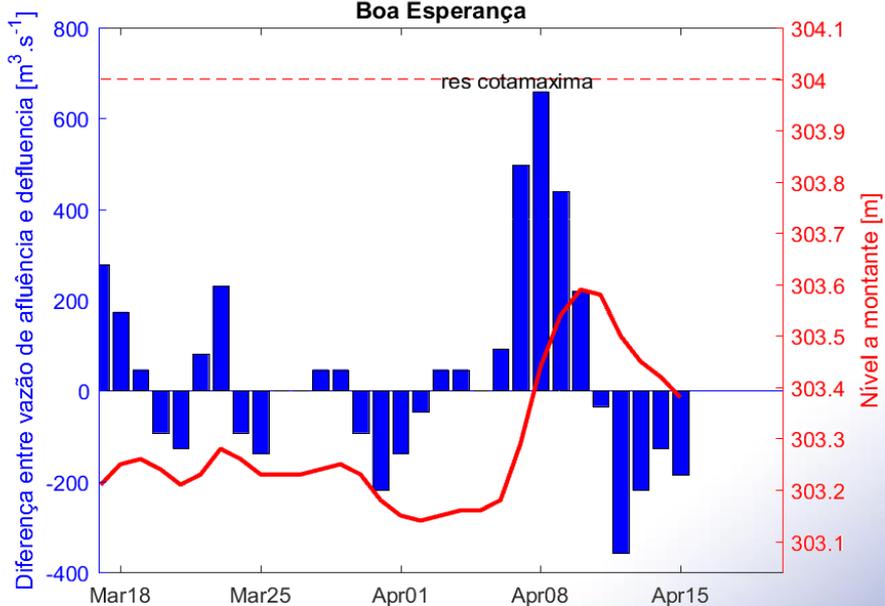


LUZILÂNDIA

34879500



Boa Esperança





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Thanks!

marcio.moraes@cemaden.gov.br



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