



8ª Reunião da Sala de Crise da Região Sul  
23 de agosto de 2023

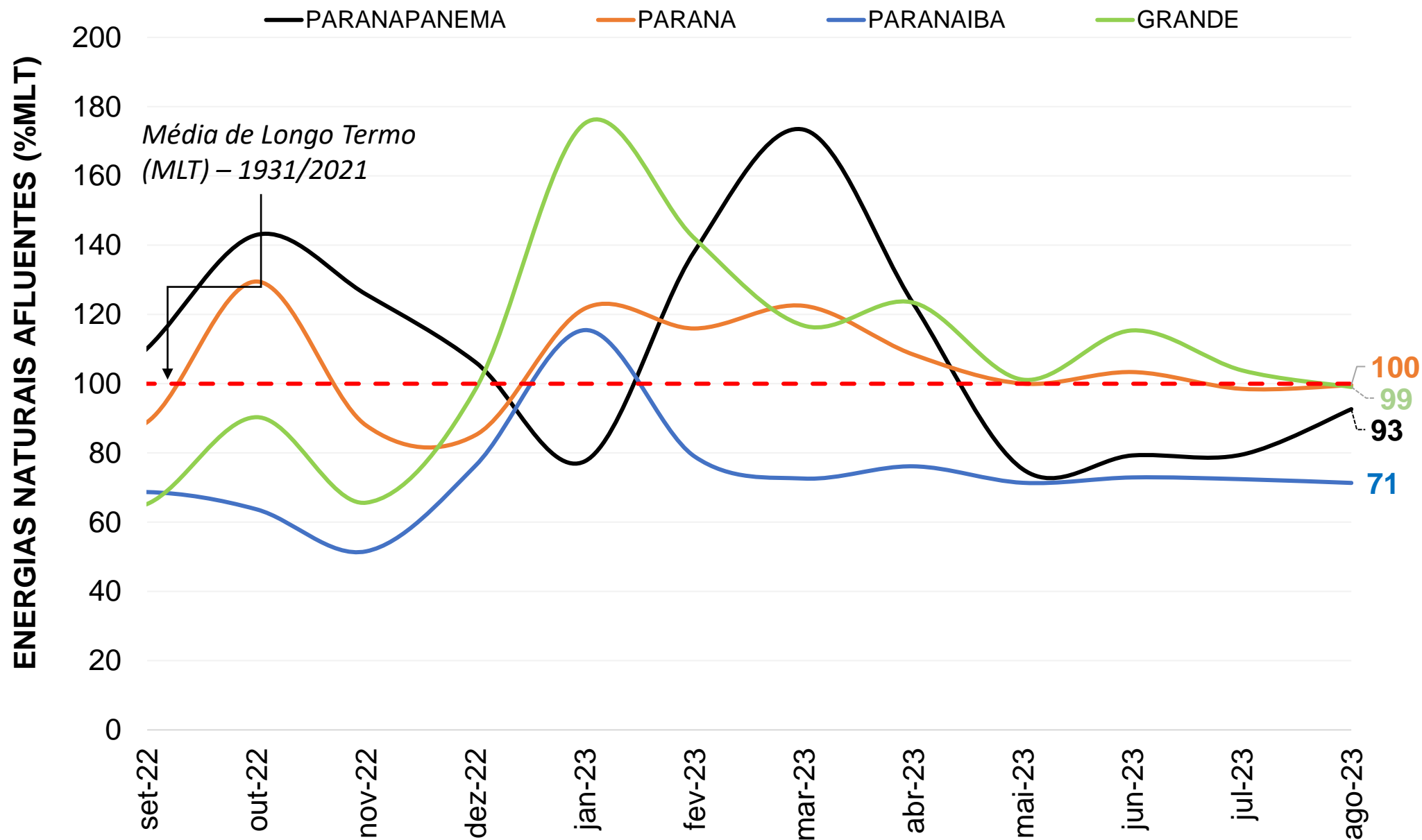
# Avaliação das condições hidrológicas e de armazenamento dos reservatórios do subsistema Sul

## Agenda

- 1. Contextualização da situação energética do SIN**
- 2. Condições hidrológicas e de armazenamento no subsistema Sul**
- 3. Operação dos principais reservatórios**
- 4. Resultados das simulações hidráulicas**

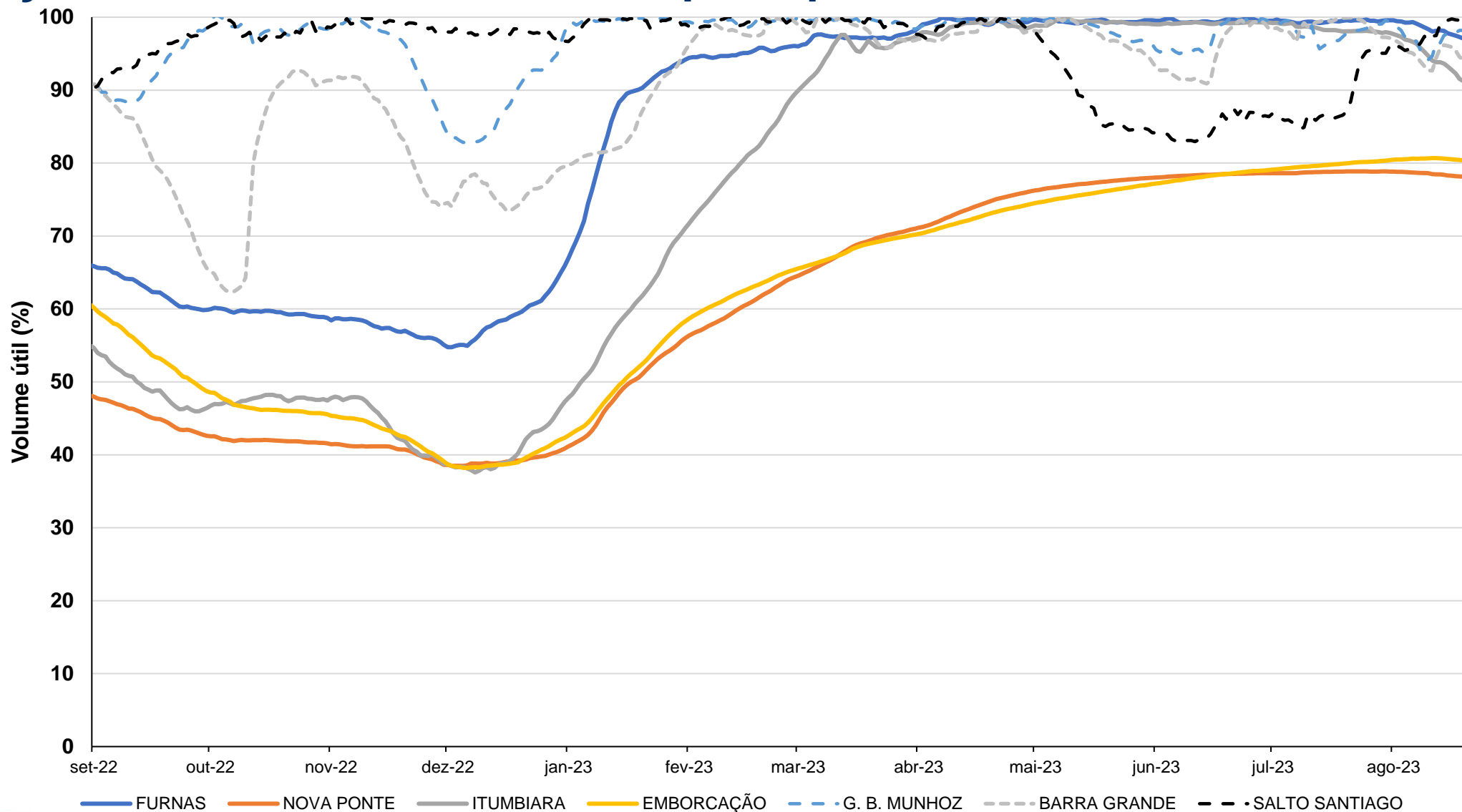
# CONTEXTUALIZAÇÃO DA SITUAÇÃO ENERGÉTICA DO SIN

# Energias naturais afluentes de bacias da região Sudeste

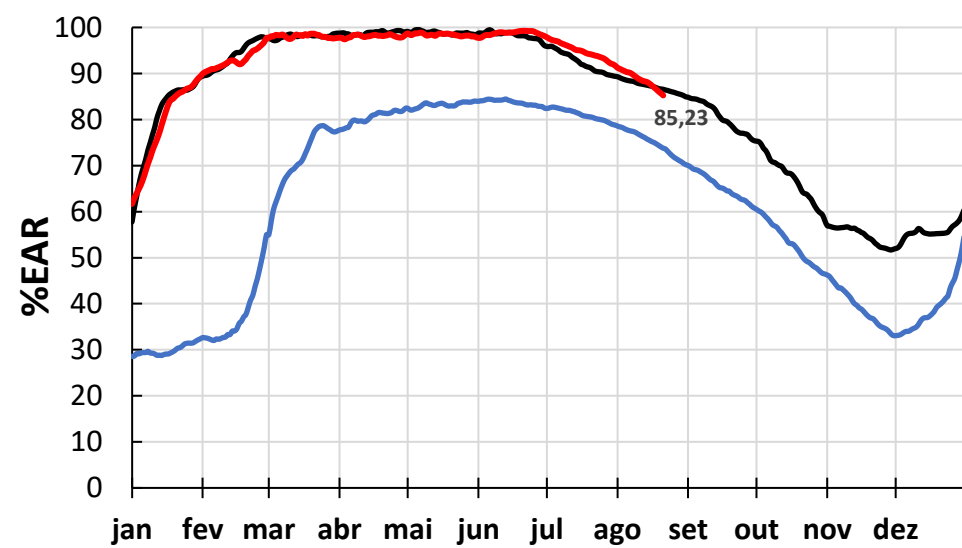
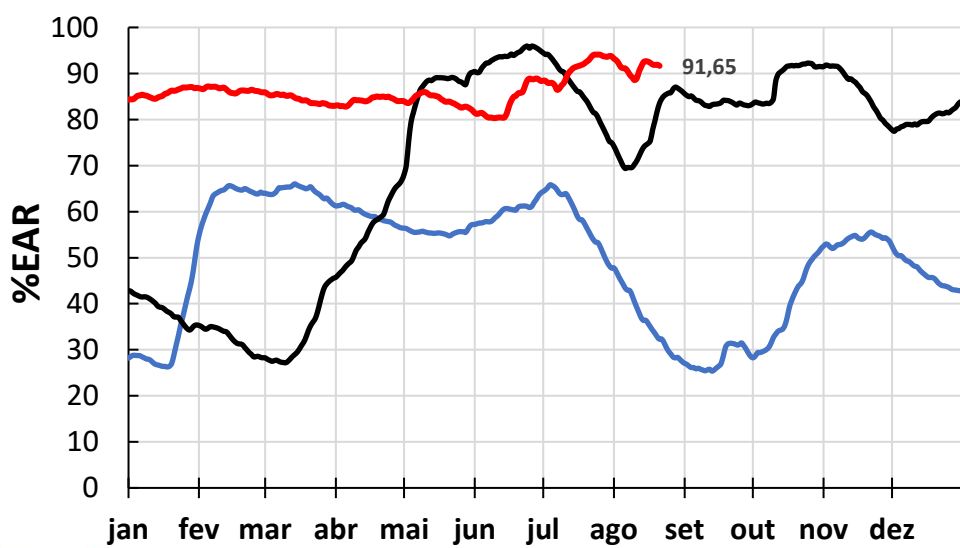
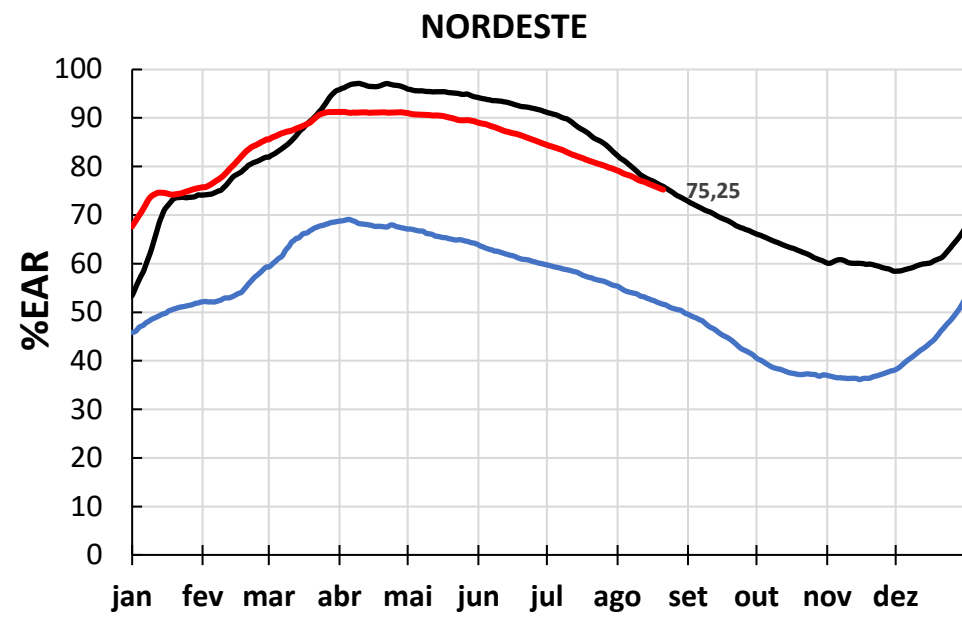
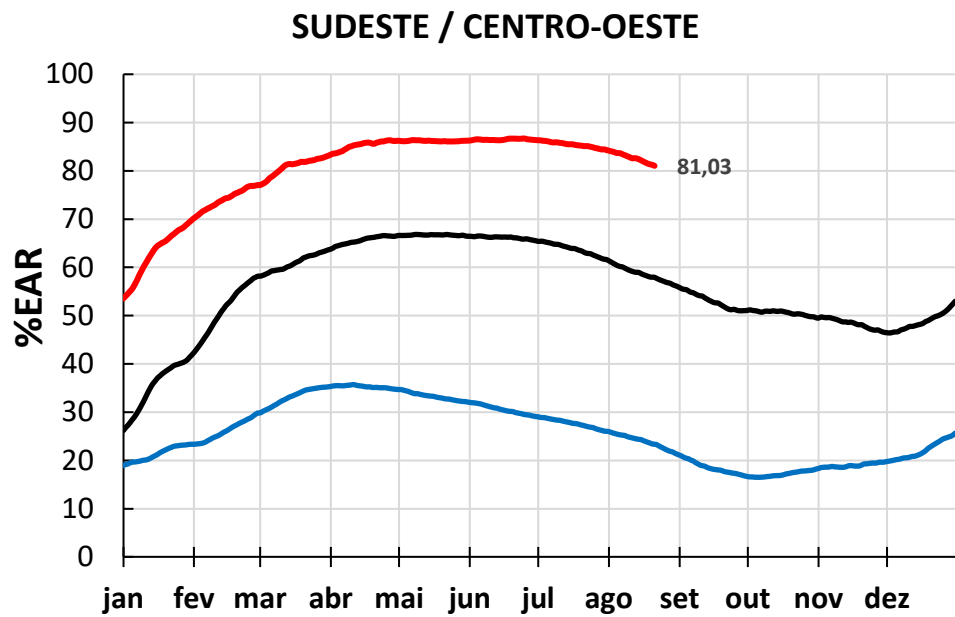


**Nota:** Dados até 21/08/2023.

# Evolução dos armazenamentos nos principais reservatórios



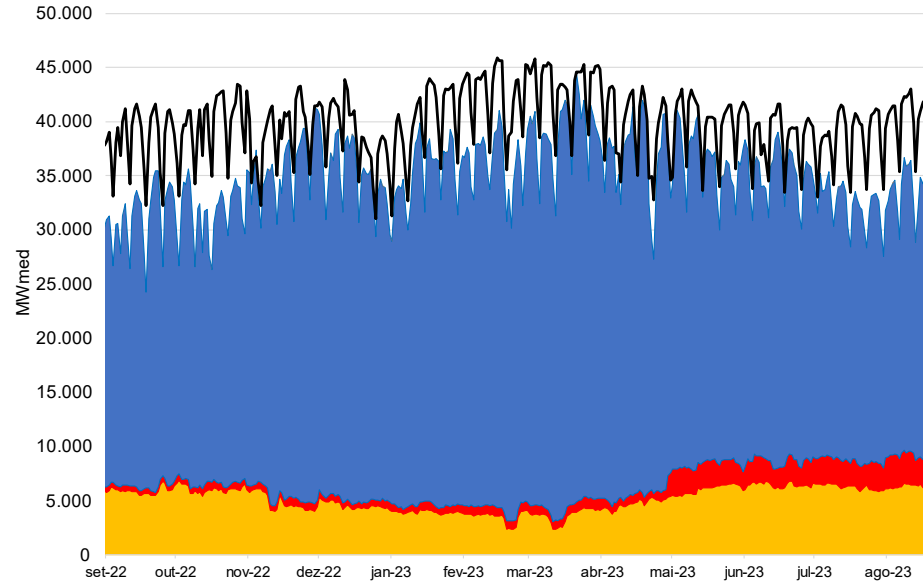
# Evolução dos armazenamentos nos subsistemas do SIN em 2023



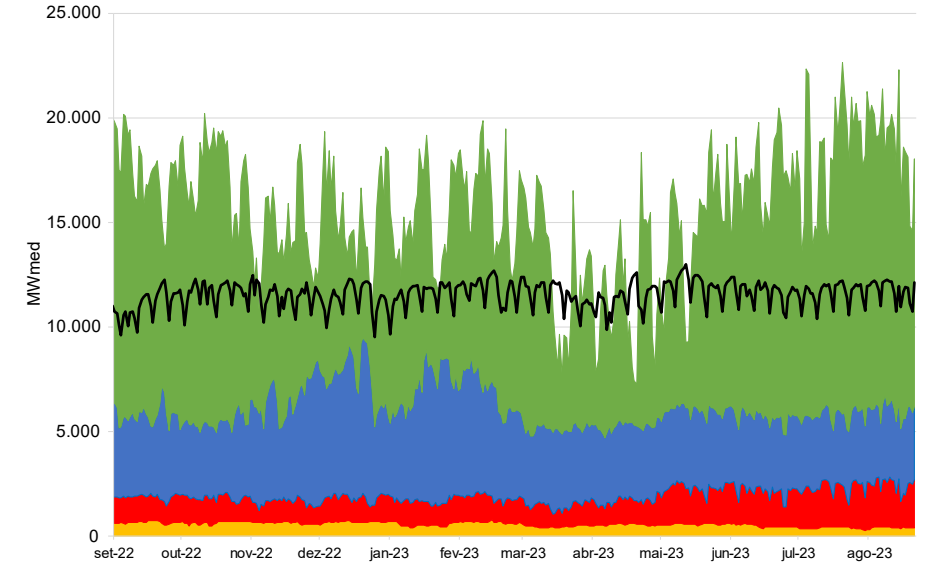
# Balanco energético dos subsistemas



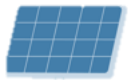
## Sudeste/Centro-Oeste



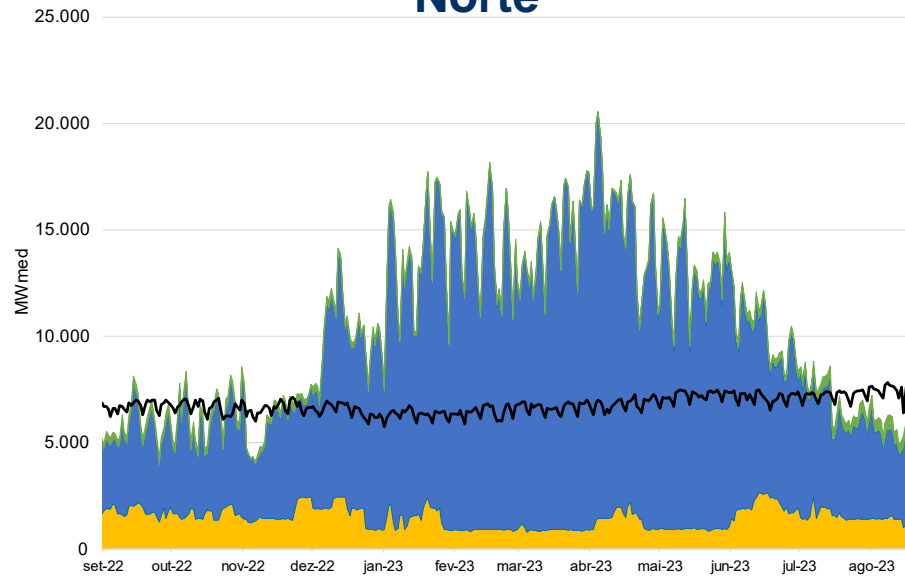
## Nordeste



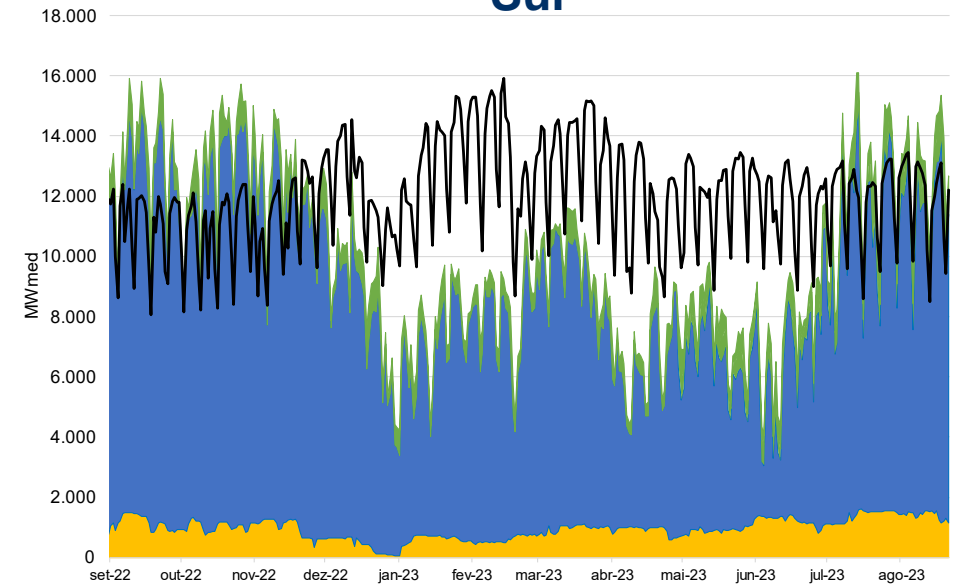
- Carga
- Eólica
- Hidro
- Solar
- Térmica



## Norte



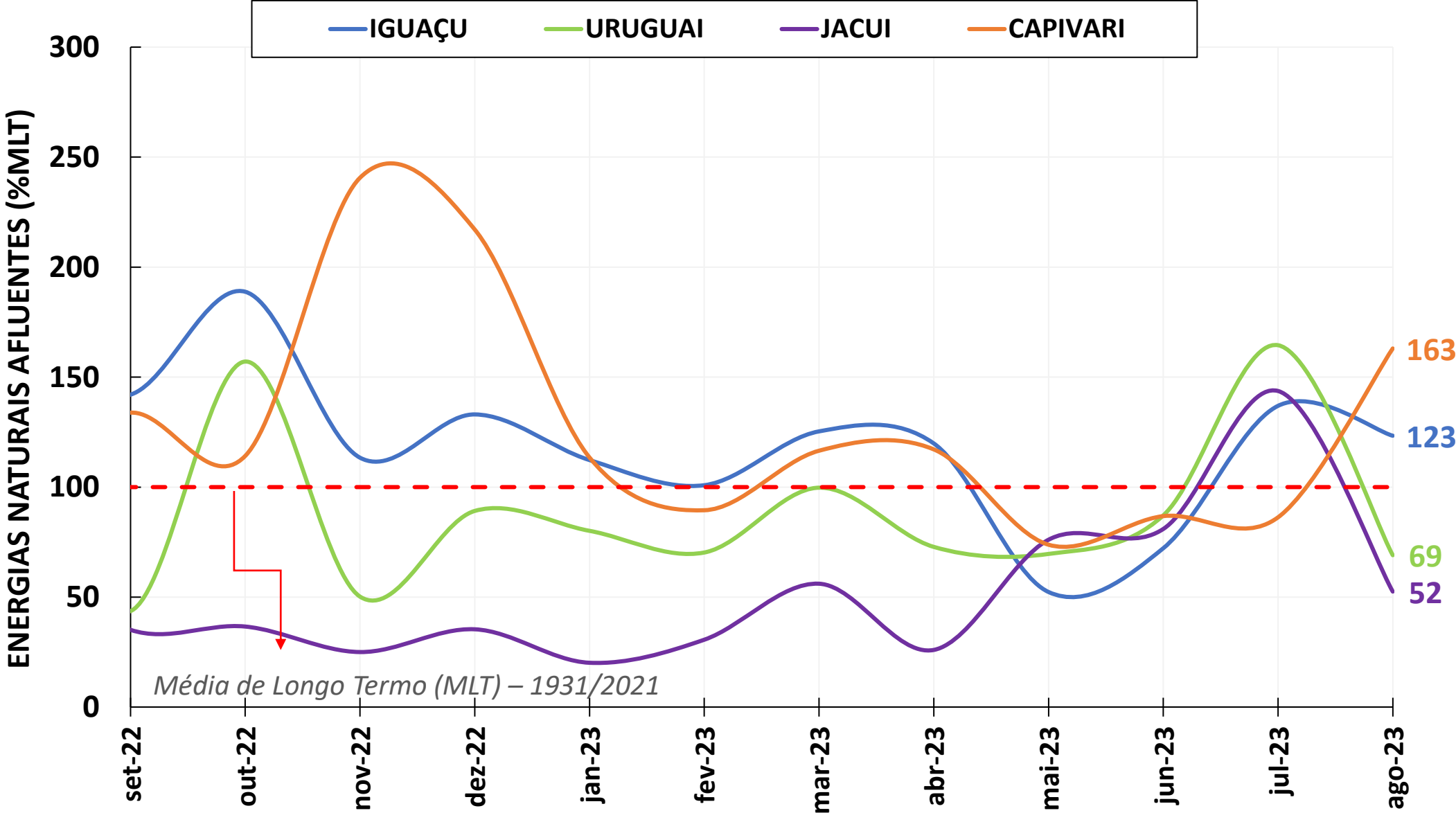
## Sul



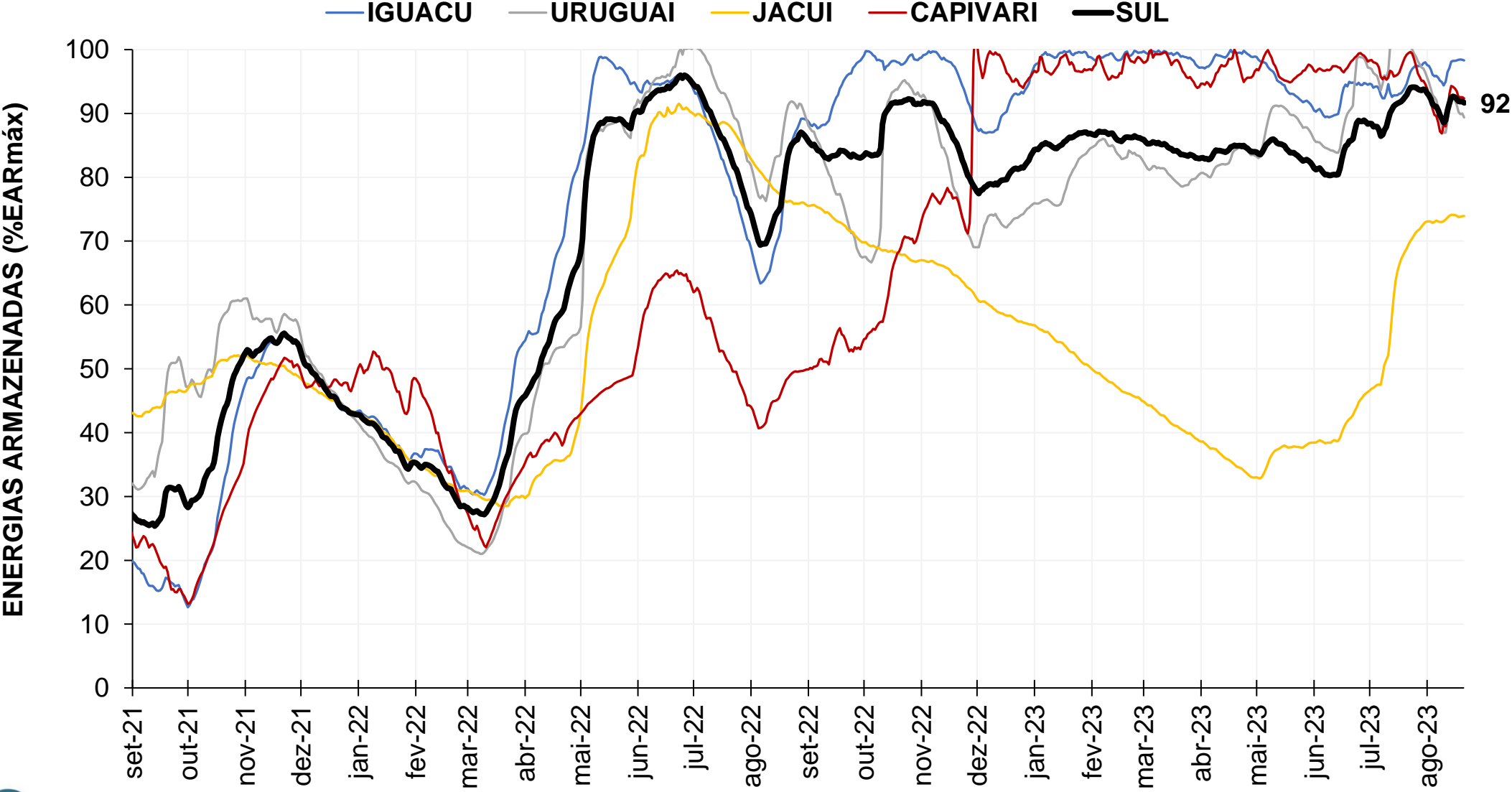
# CONDIÇÕES HIDROLÓGICAS E ARMAZENAMENTOS NO SUBSISTEMA SUL



# Energia natural afluente nas bacias da região Sul

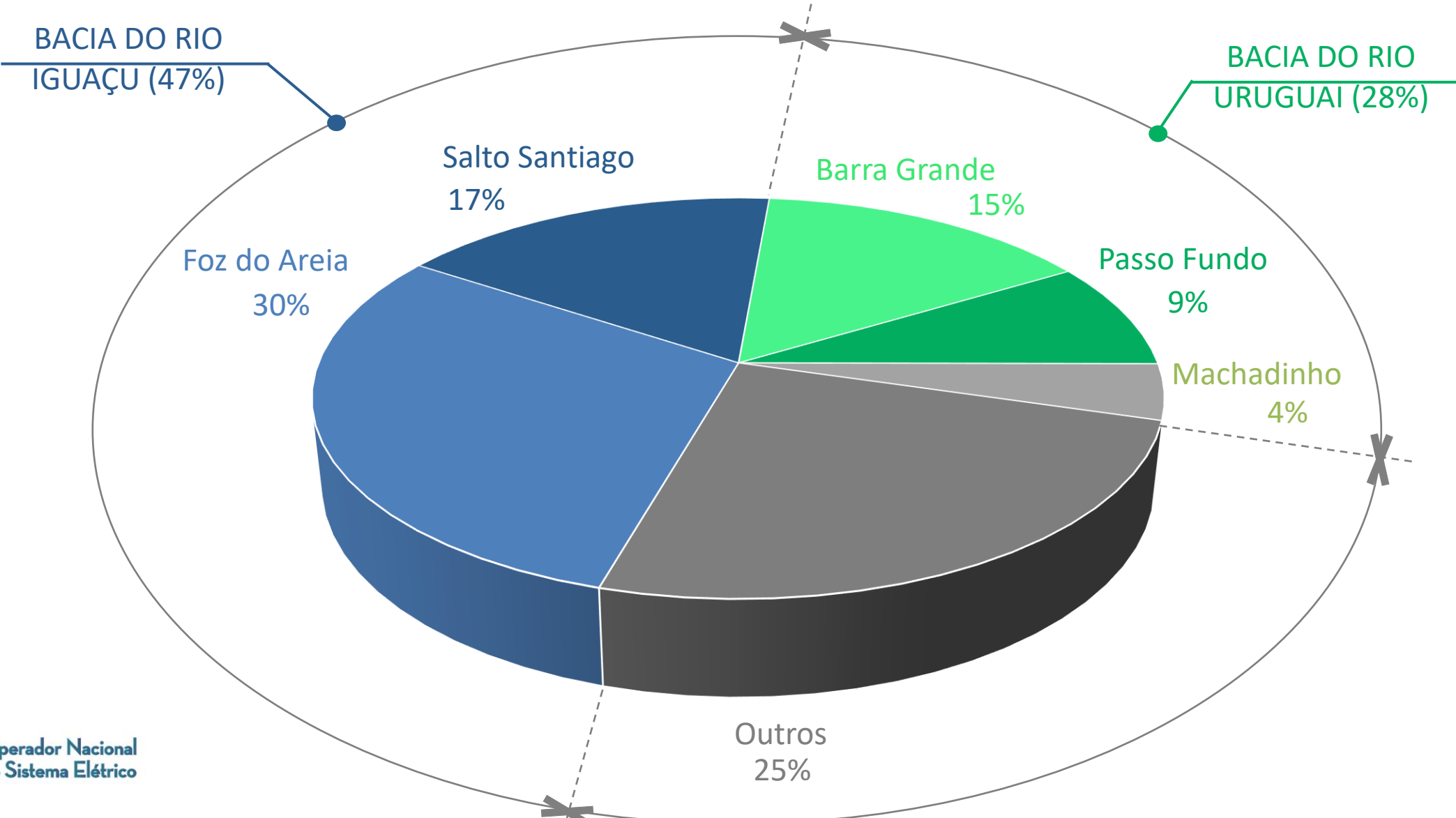


# Evolução da energia armazenada nas bacias do subsistema Sul

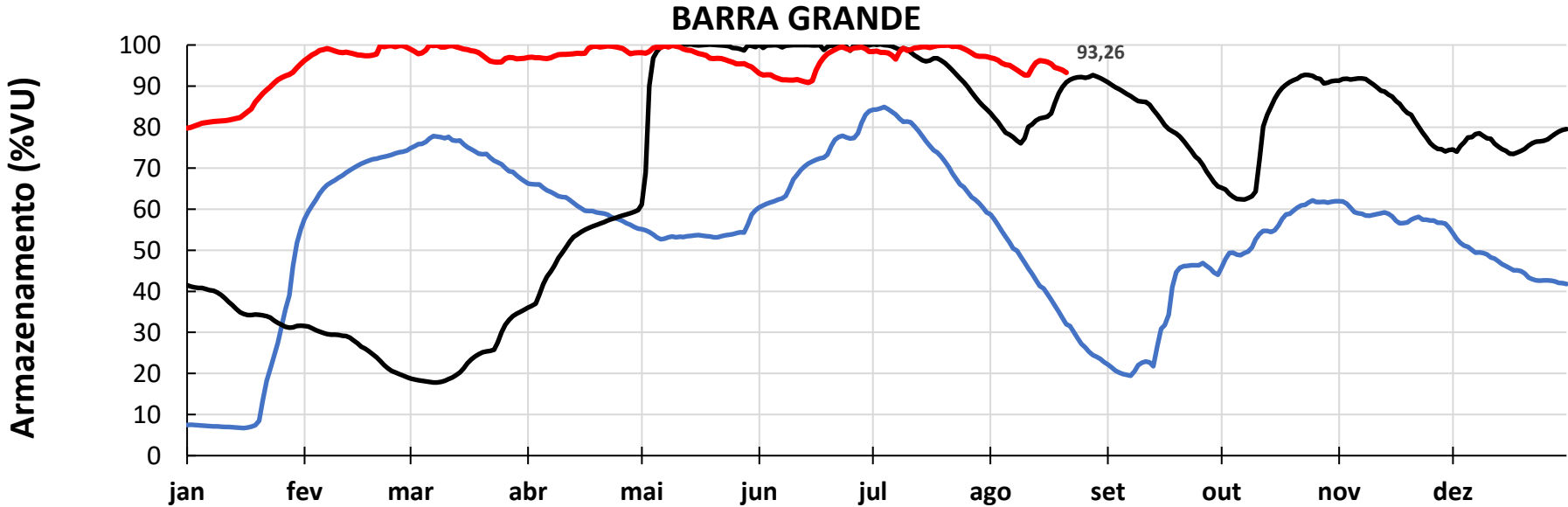
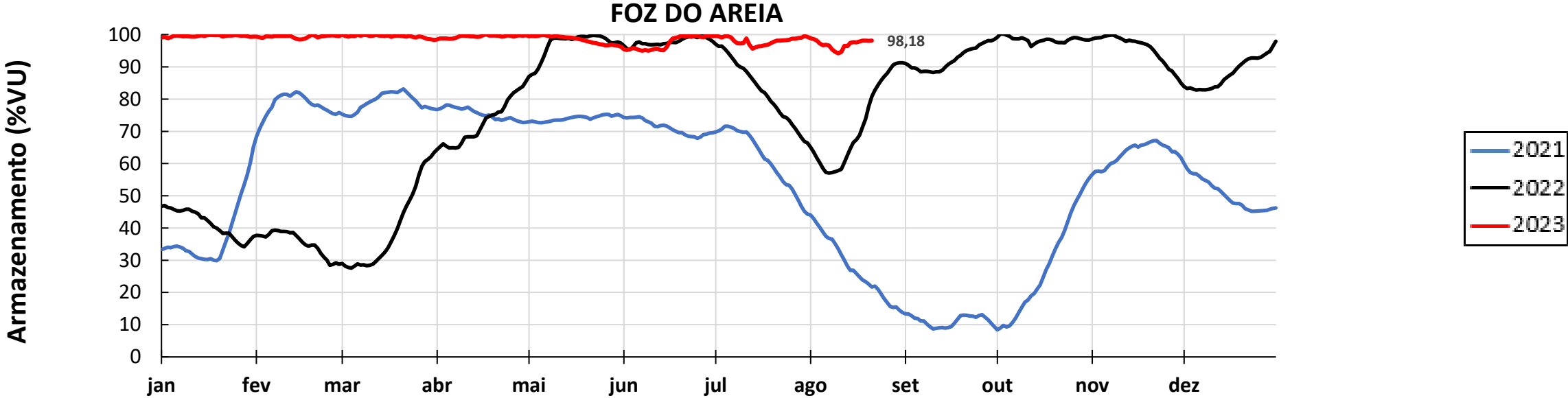


# Participação dos principais reservatórios na energia armazenada máxima do subsistema Sul

EAR<sub>máx</sub> do subsistema sul = 20.459MWmed (7% da EAR<sub>máx</sub> do SIN)



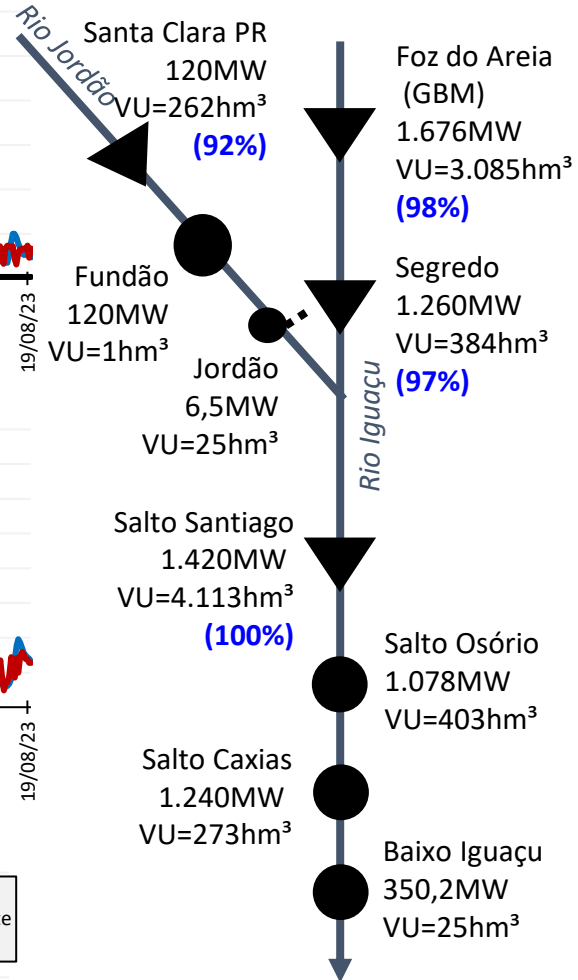
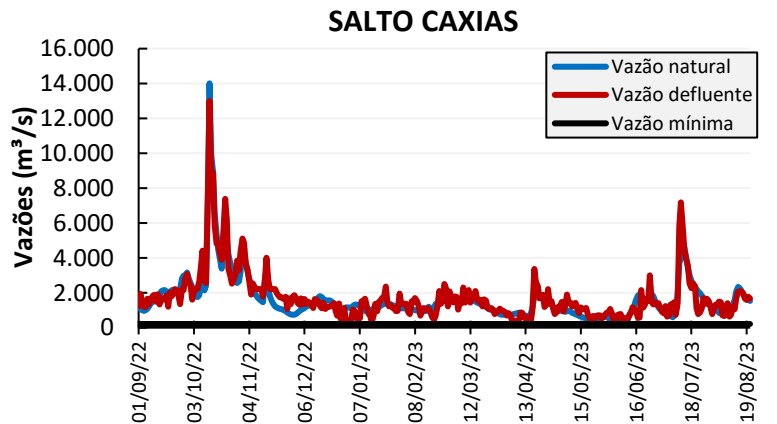
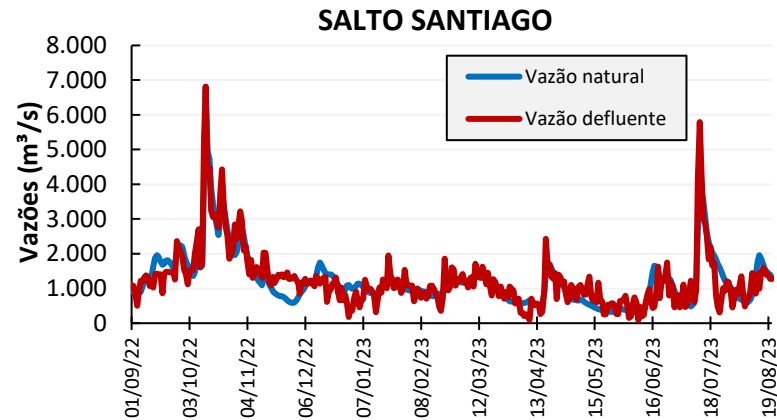
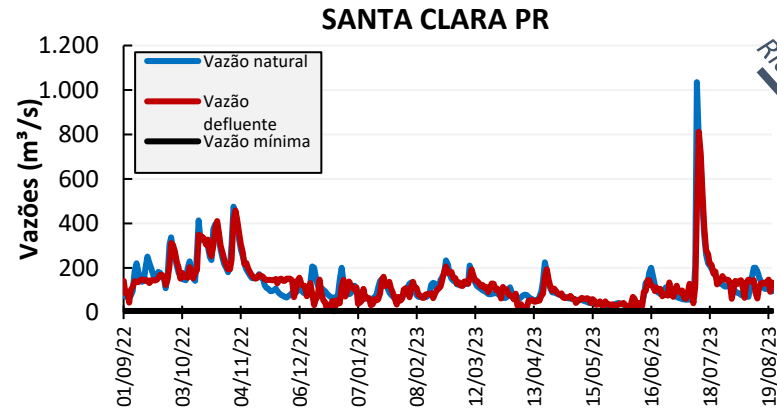
# Situação de armazenamento dos principais reservatórios das bacias dos rios Iguaçu e Uruguai entre 2021 e 2023



**Nota:** Dados até 21/08/2023.

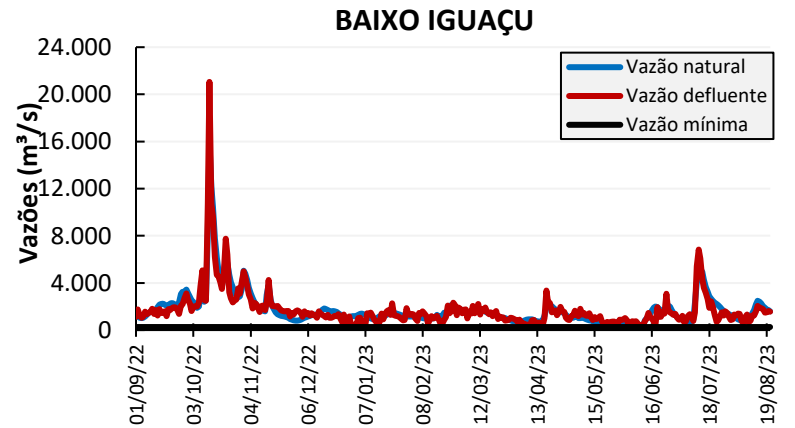
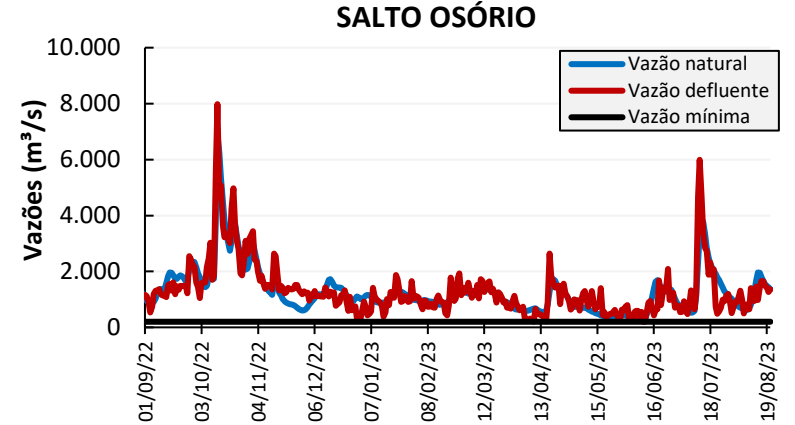
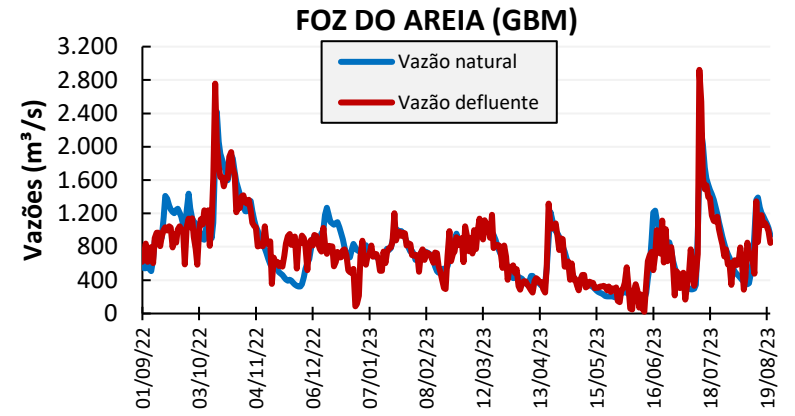
# OPERAÇÃO DOS PRINCIPAIS RESERVATÓRIOS

# Reservatórios da bacia do rio Iguaçu

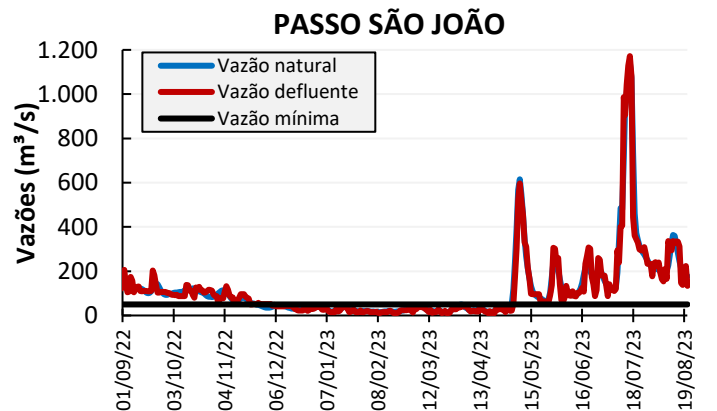
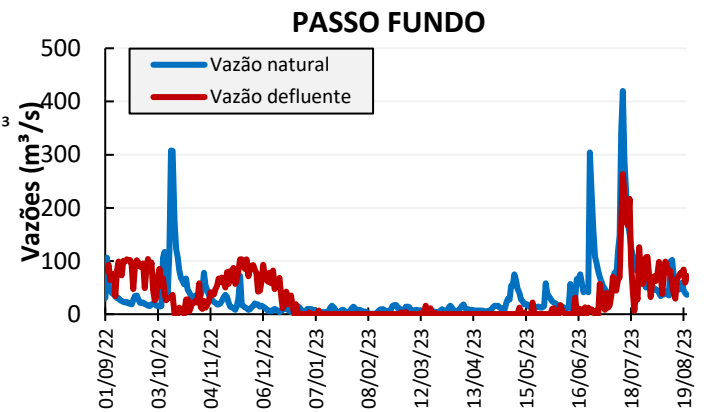
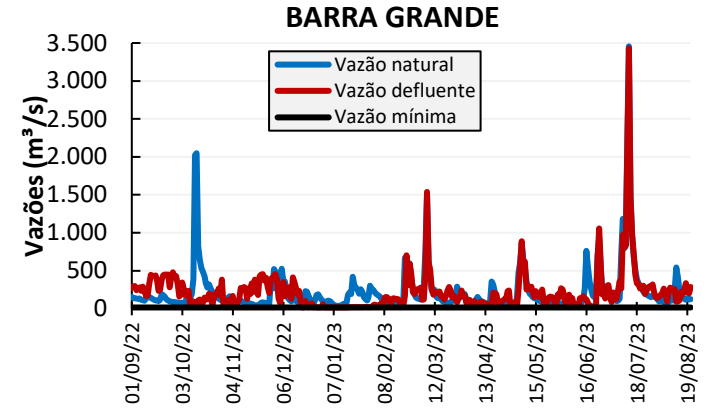
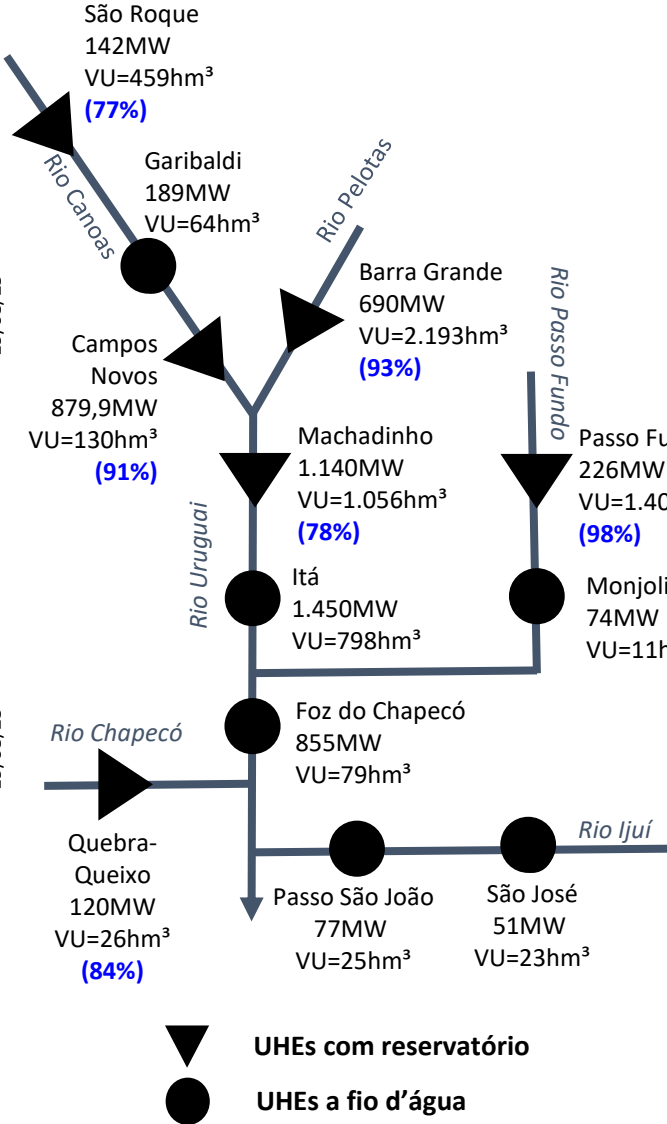
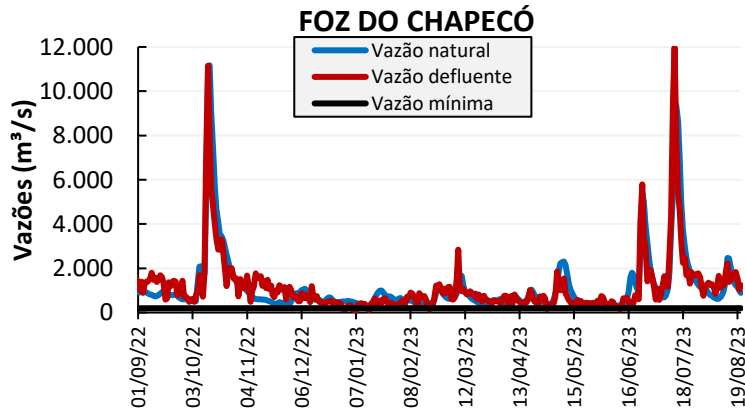
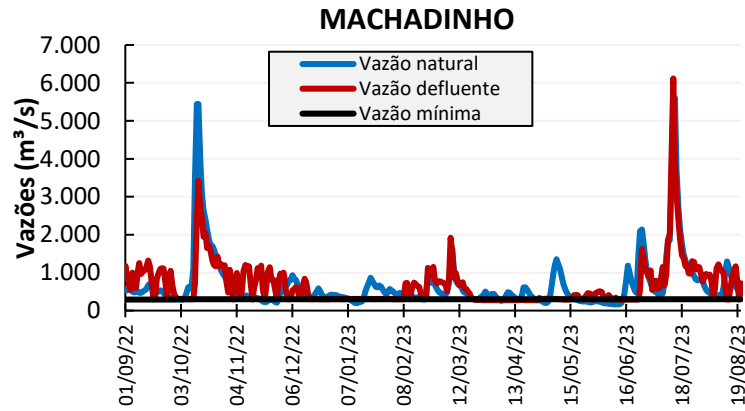
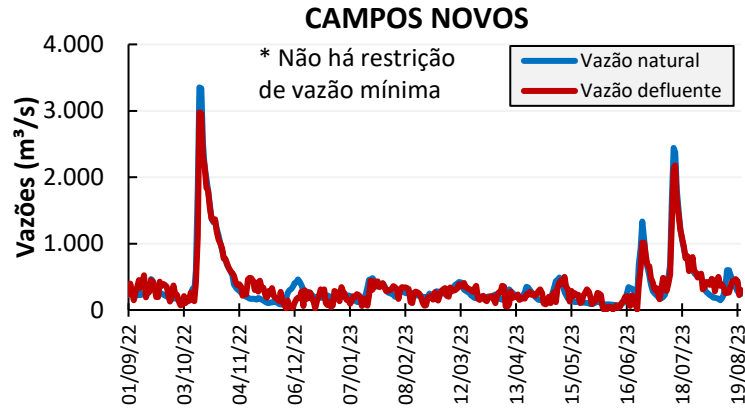


▼ UHs com reservatório  
 ● UHs a fio d'água

**Observações:** 1) Gráficos até dia 21/08;  
 e 2) % VUs do IPDO de 21/08/2023.



# Reservatórios da bacia do rio Uruguai



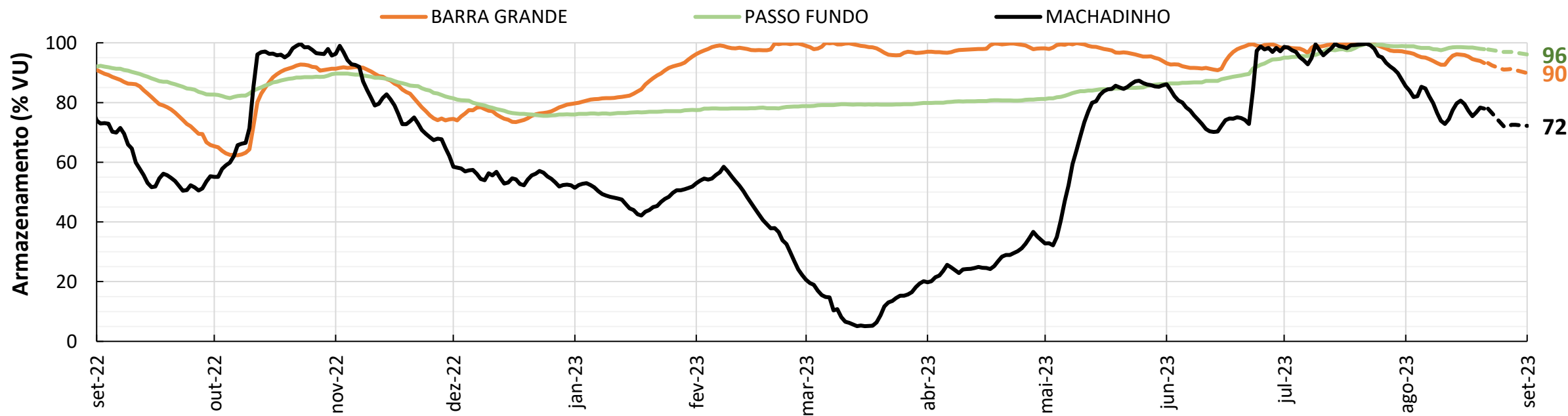
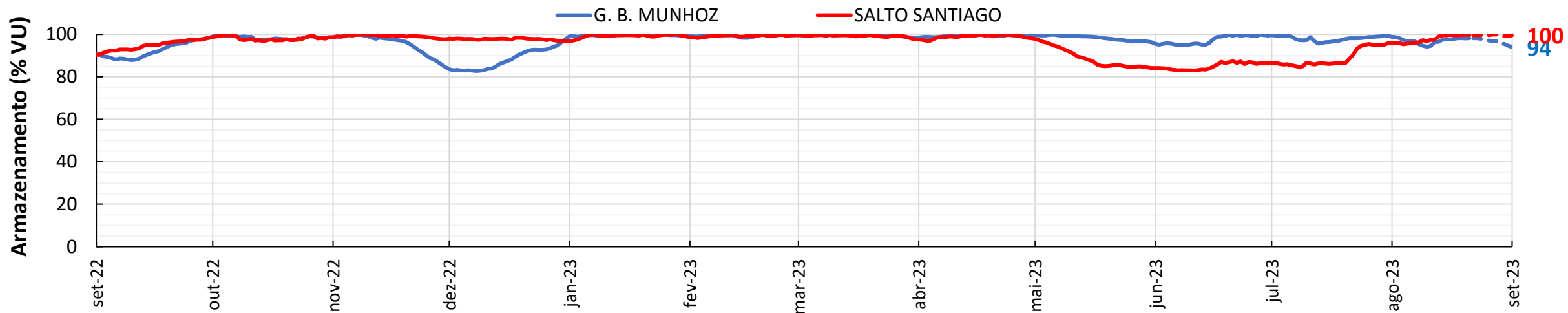
**Observações:** 1) Gráficos até dia 21/08; e 2) % VUs do IPDO de 21/08/2023.



# RESULTADOS DAS SIMULAÇÕES HIDRÁULICAS



# Resultado da simulação – 22/08/2023 a 01/09/2023



**Obs.** 1) Linha cheia – Dados observados; Linha tracejada – Simulação com previsão de vazões  
2) Regras operativas definidas a partir das aflúncias, atendendo às restrições operativas declaradas e necessidades energéticas do SIN.



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## Avaliação das condições hidrológicas e de armazenamento dos reservatórios do subsistema Sul