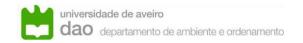
CT3 | Forecast hackaton

Alexandra Monteiro | Carla Gama | Miguel Rosa
University of Aveiro

26 May 2021

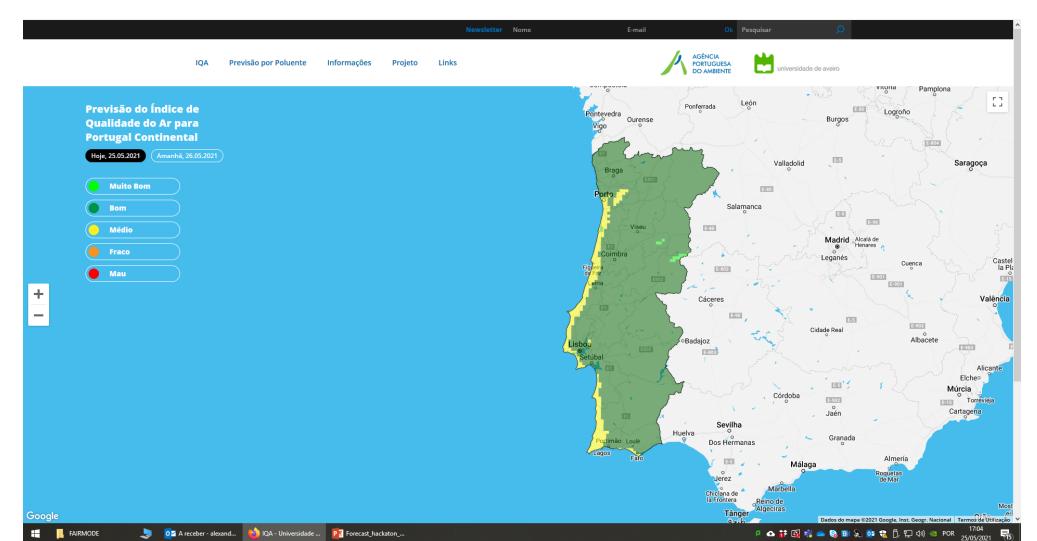




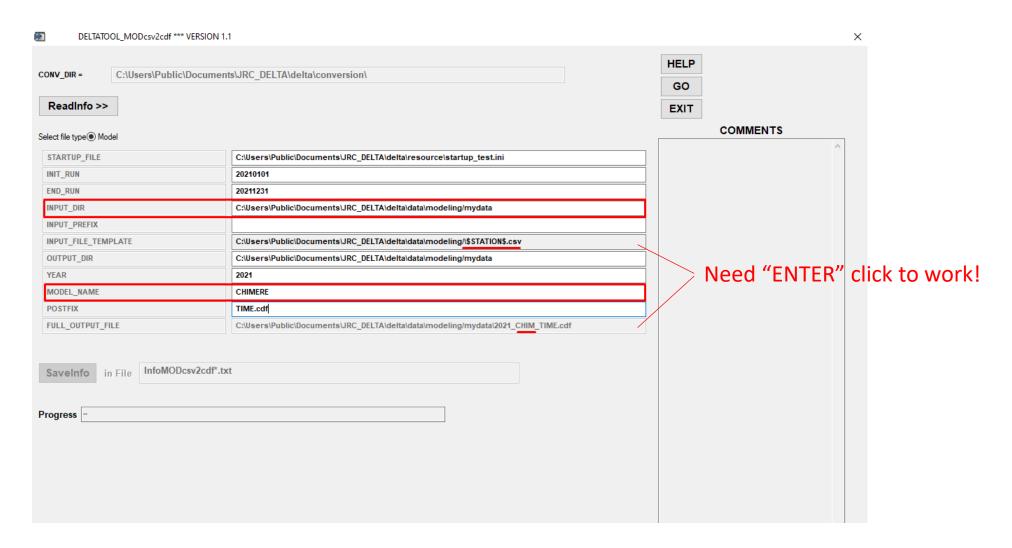


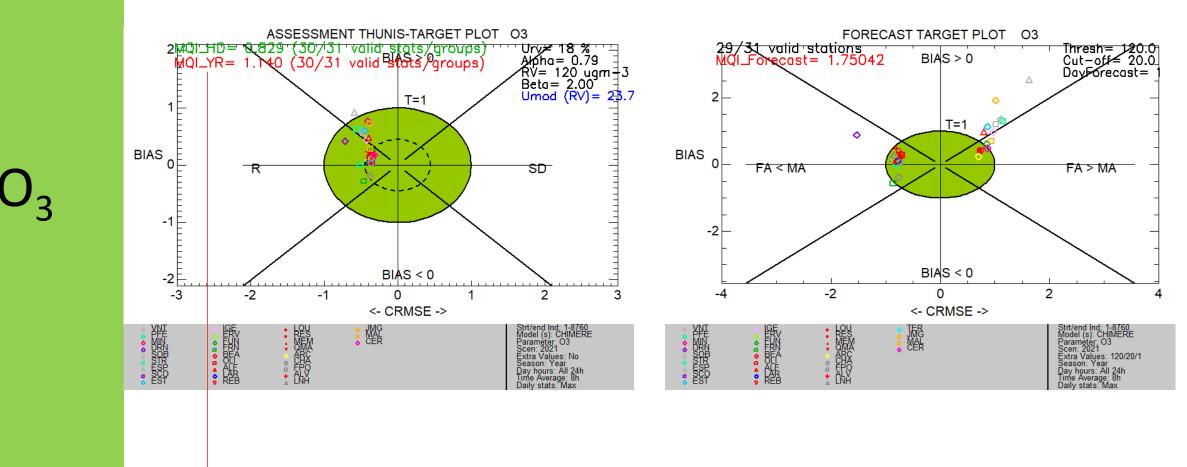
Our air quality forecast system

http://previsao-qar.web.ua.pt/

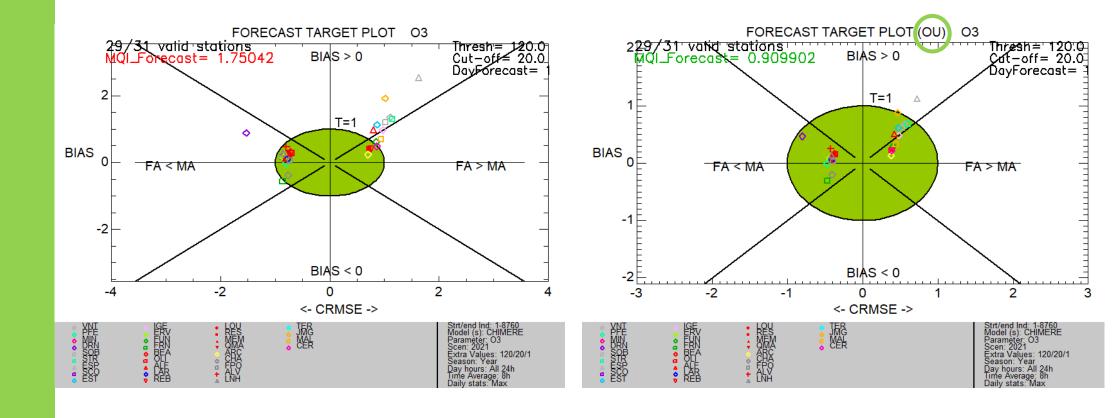


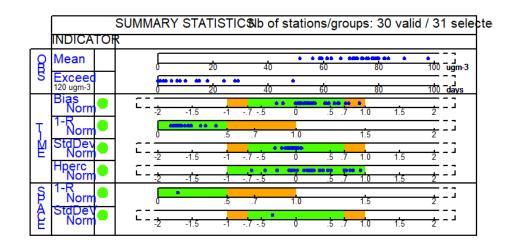
Some DT feedback/suggestions

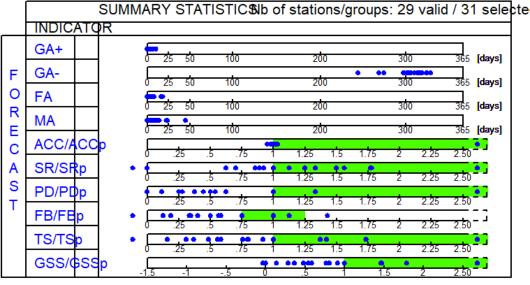




Yearly mean of O3?

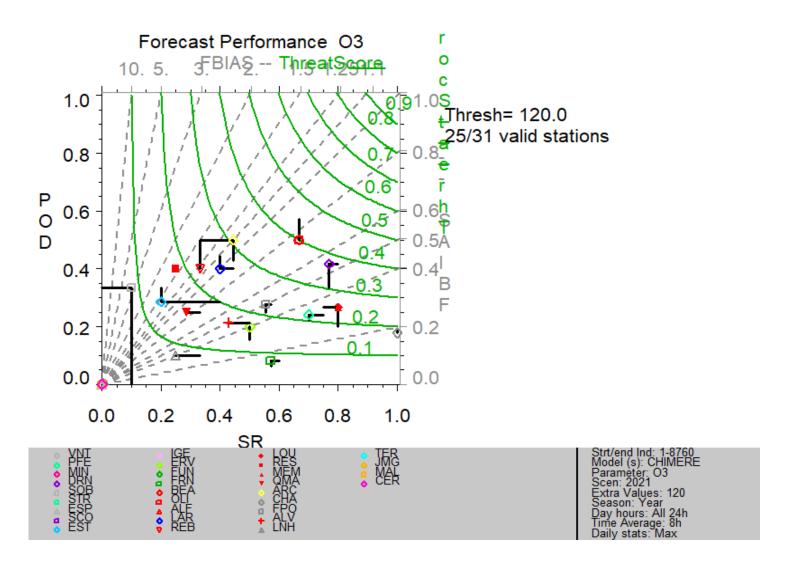


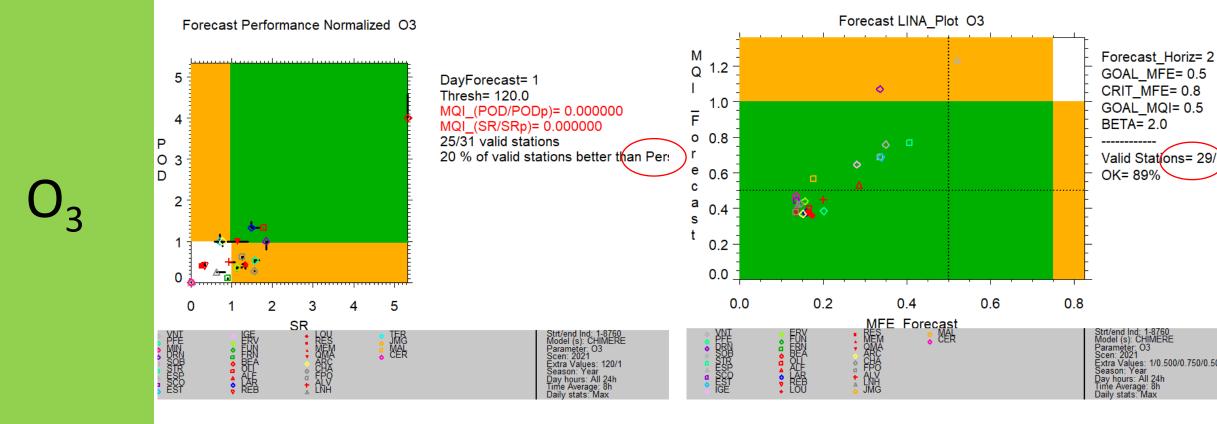






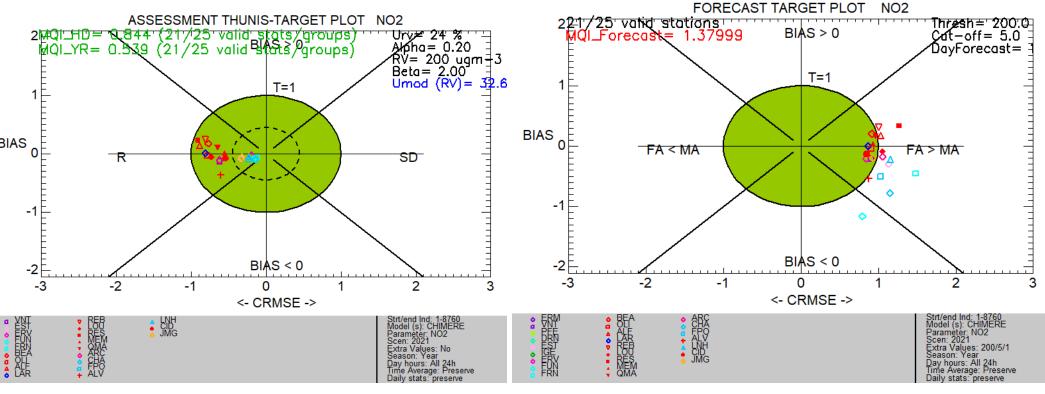






Why not also the % of valid stations better than persistence?

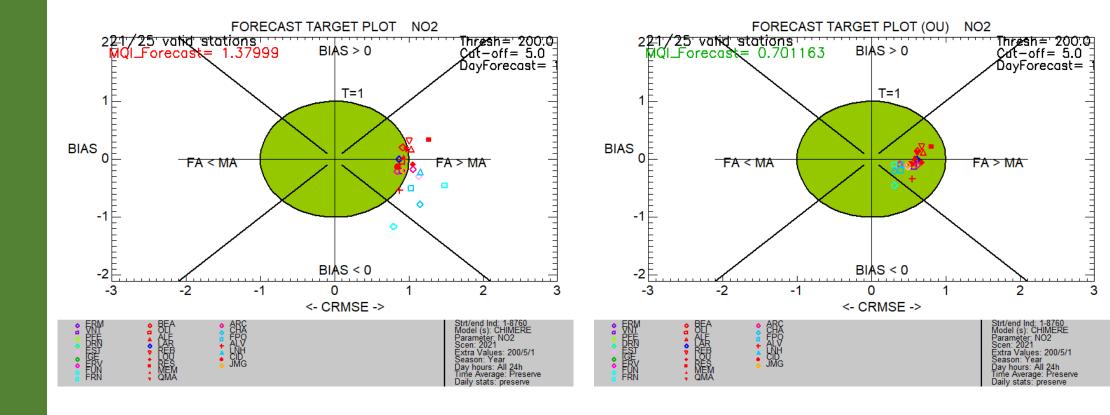




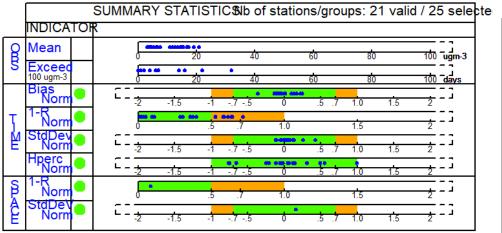
Daily Stats -> Preserve

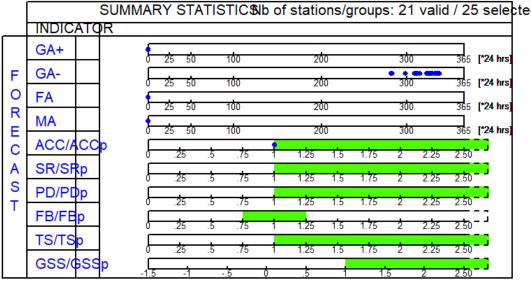
Day forecast=1 or 2?

 NO_2







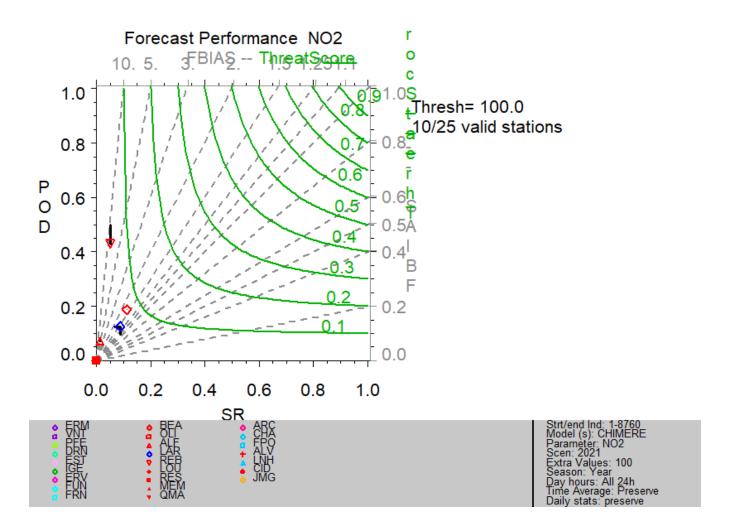


Performance Criteria satisfied

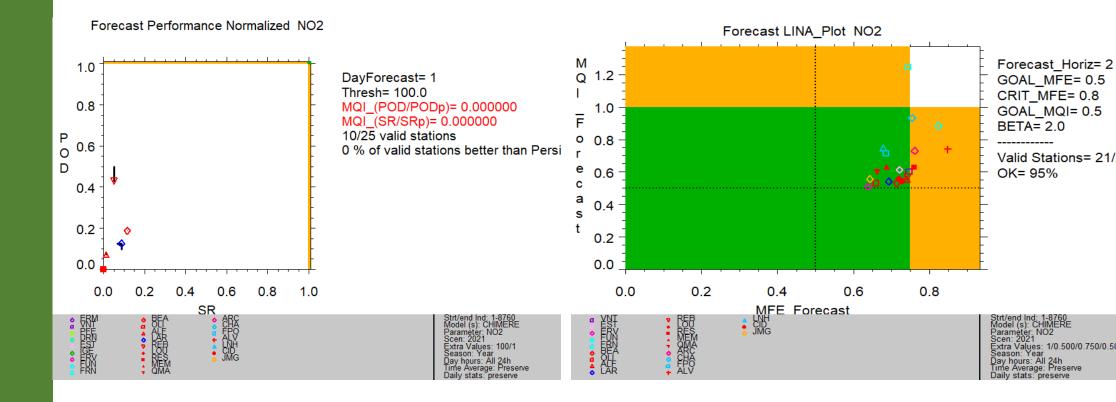
Performance Criteria satisfied; Error dominated by corresponding Indicator TIME: >90% of stations fulfills the Performance Criteria

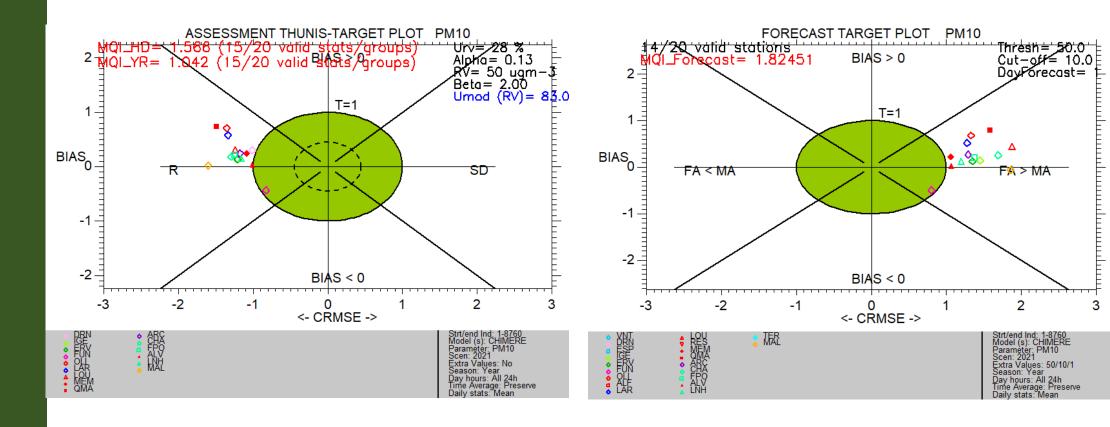
SPACE: Dot fulfills the Performance Criteria
TIME: <90% of stations fulfills the Performance Criteria
SPACE: Dot does not fulfill the Performance Criteria

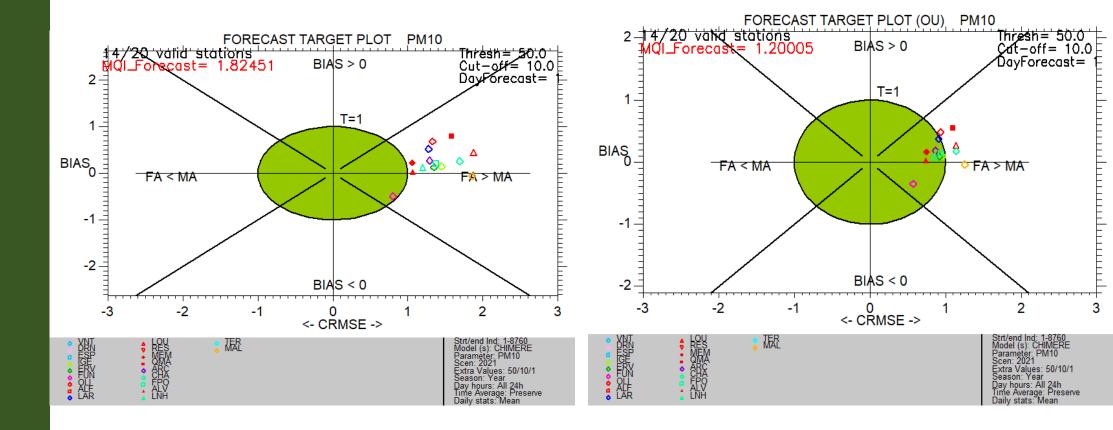
NO_2



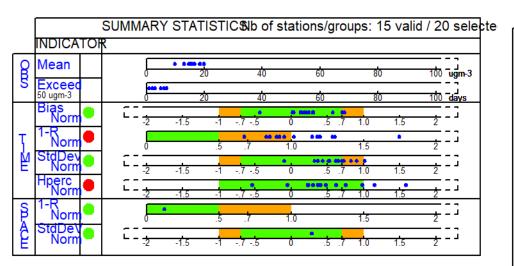


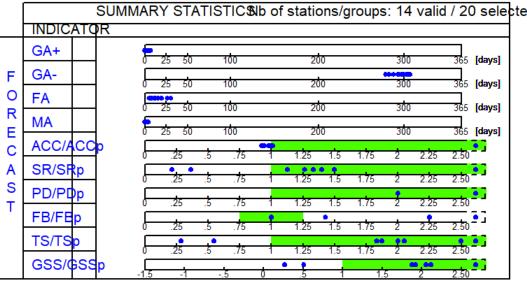










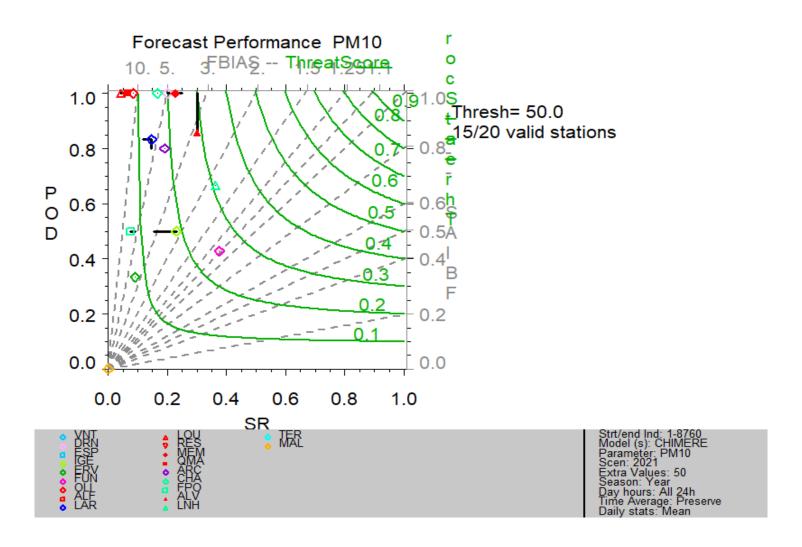


Performance Criteria satisfied Performance Criteria satisfied; Error dominated by corresponding Indicator TIME: >90% of stations fulfills the Performance Criteria

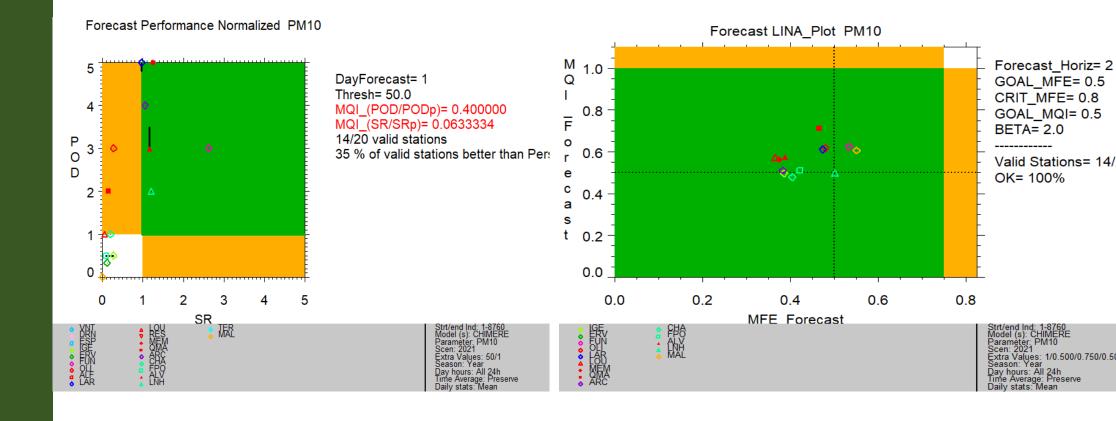
SPACE: Dot fulfills the Performance Criteria

TIME: <90% of stations fulfills the Performance Criteria

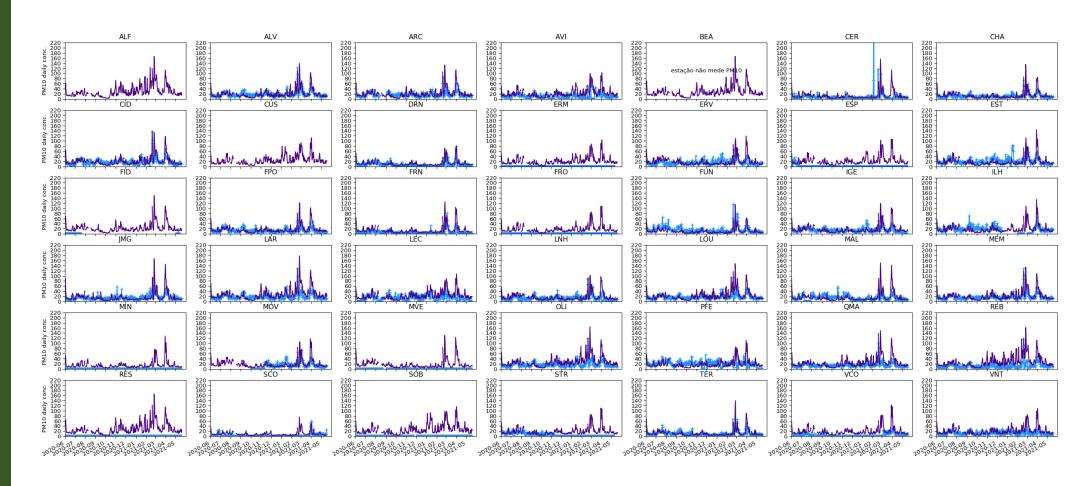
SPACE: Dot does not fulfill the Performance Criteria



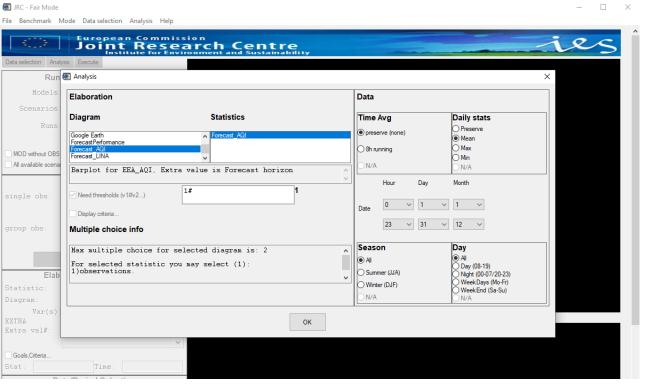


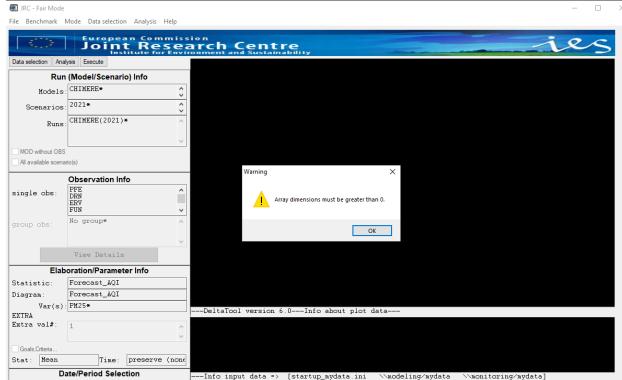


We were not expecting so bad results...



FORECAST AQI





Last note:

This type of analysis (AQI) was requested by the PT agency to evaluate the forecast system...

Concordância IQAs | JUN2020 - MAI2021

