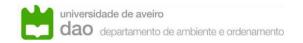
CT3 | Forecast DELTA Tool

Alexandra Monteiro | Carla Gama | Miguel Rosa University of Aveiro

6 October 2021

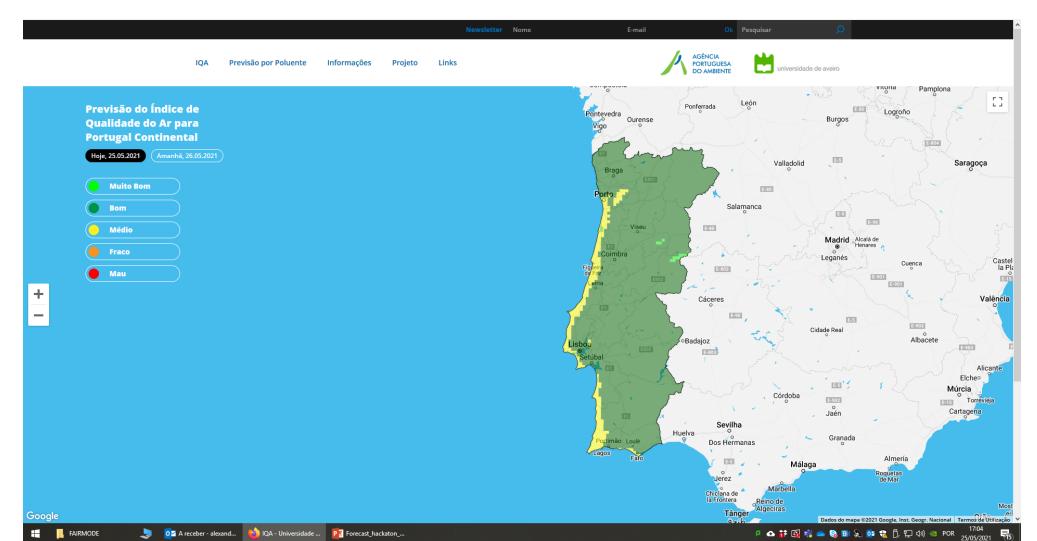


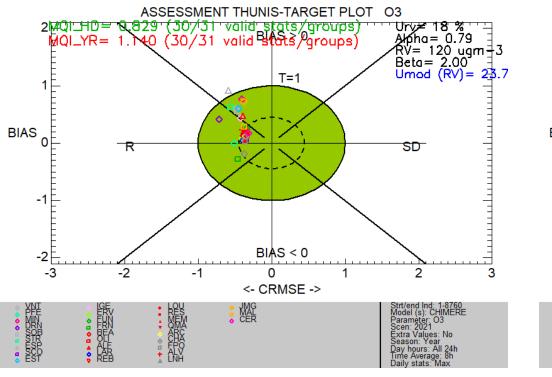


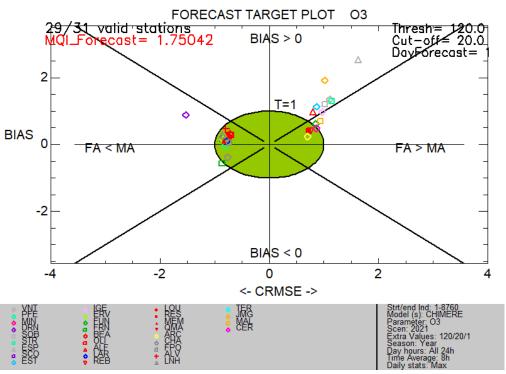


Our air quality forecast system

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

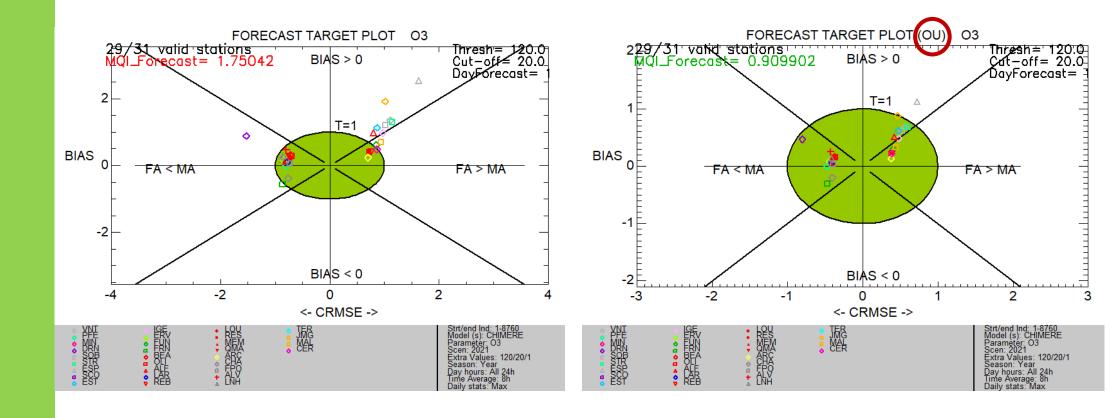


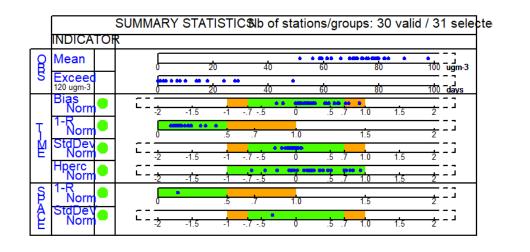


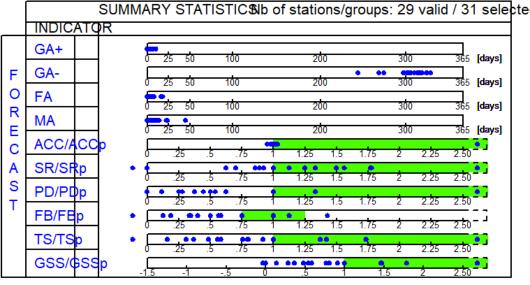


 O_3

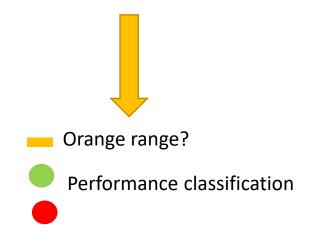


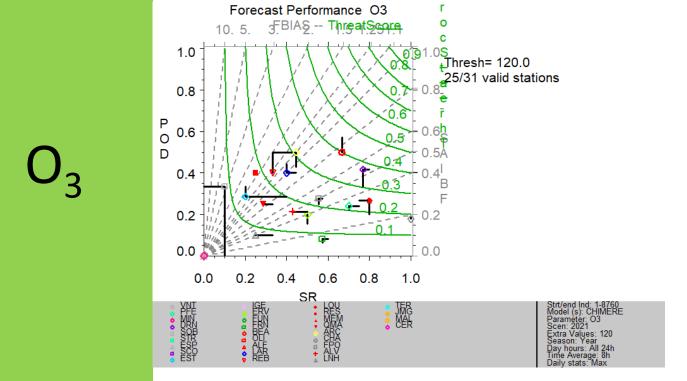


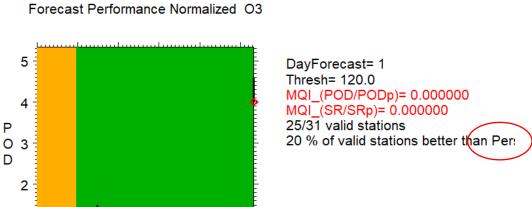










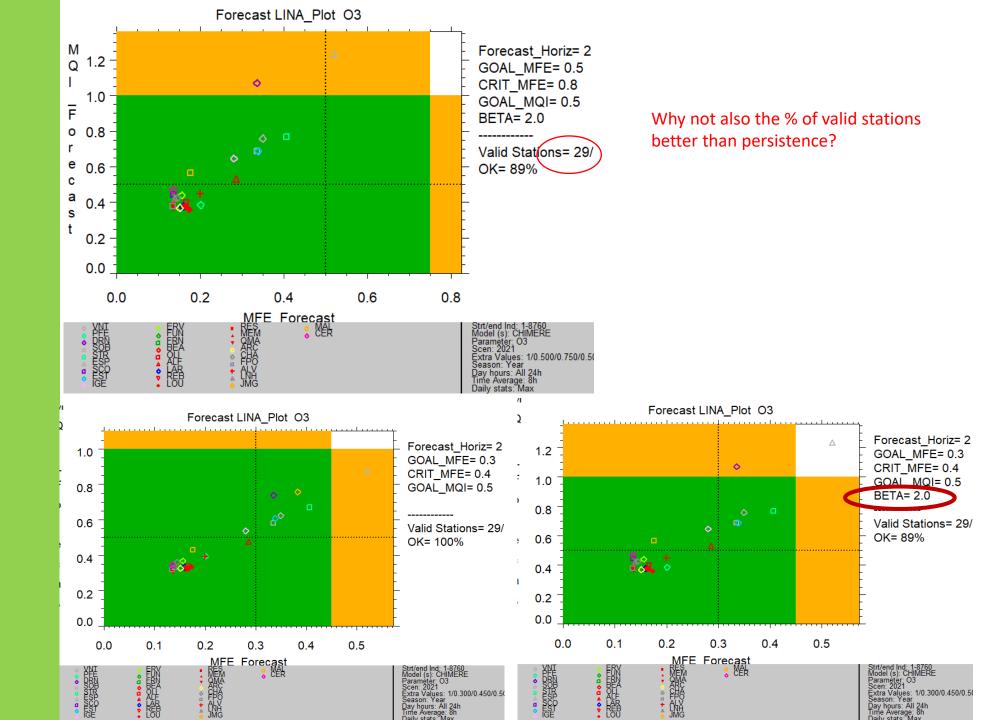


JAR CER Strt/end Ind: 1-8760 Model (s): CHIMERE Parameter: O3 Scen: 2021 Extra Values: 120/1 Season: Year Day hours: All 24h Time Average: 8h Daily stats: Max

0

YPINNBR POT SOST

SR



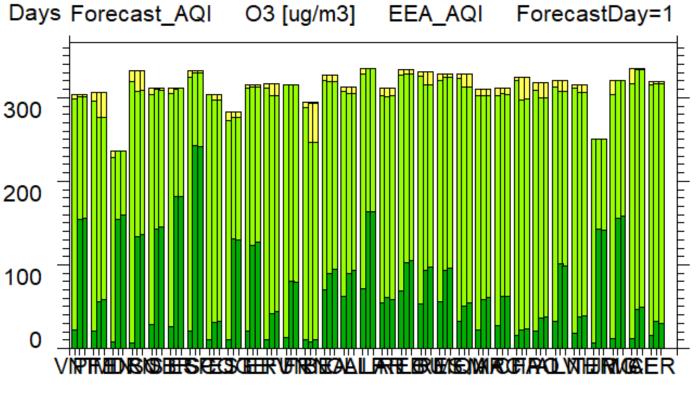
And what about global AQI?

CATs

5

4

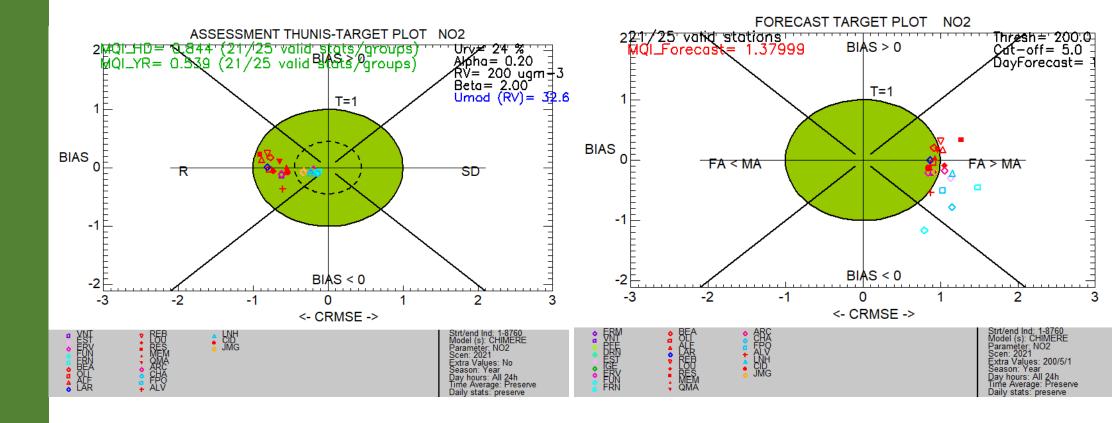
3



Stations

SubBars: M O P: EEA_AQI: Cat5: Very Poor: 240.0-5000.0 Cat4: Poor: 180.0-240.0 Cat3: Medium: 120.0-180.0

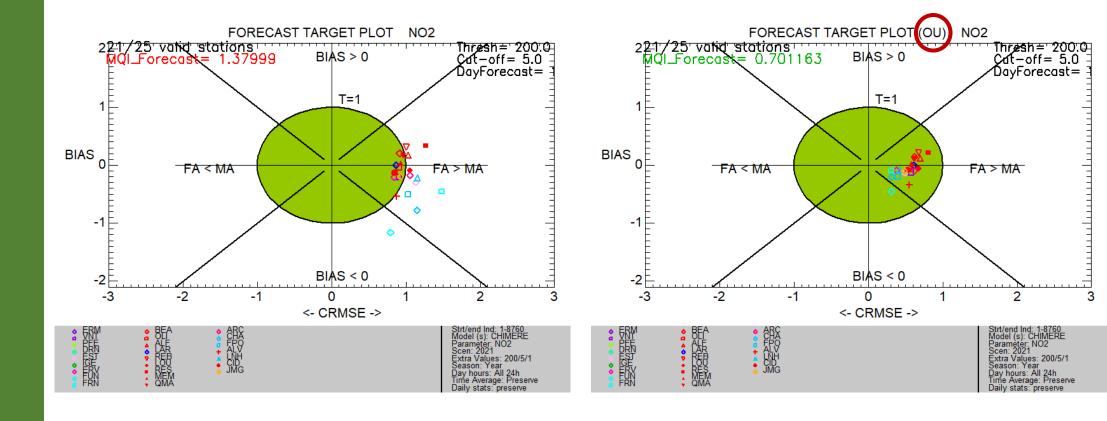
Cat3: Medium: 120.0--180.0 Cat2: Good: 60.0 ---120.0 Cat1: Very Good: 0.0 ---60.0 Strt/end Ind: 1-8760 Model (s): CHIMERE Parameter: O3 Scen: 2021 Extra Values: 1 Season: Year Day hours: All 24h Time Average: 8h Daily stats: Max



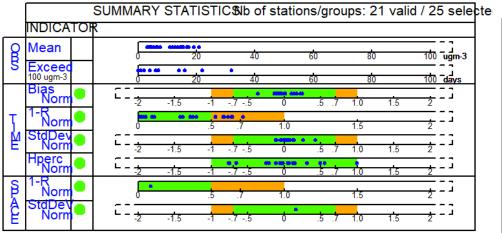
 NO_2

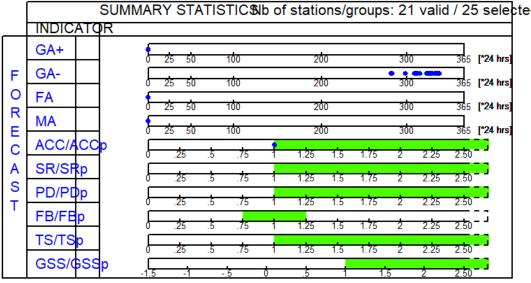
Daily Stats -> Preserve We didn't test different forecast days!

NO_2







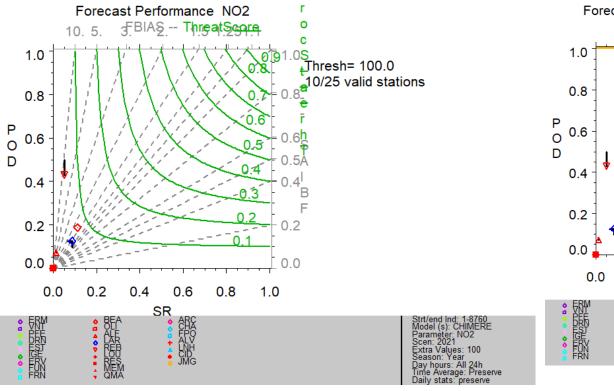


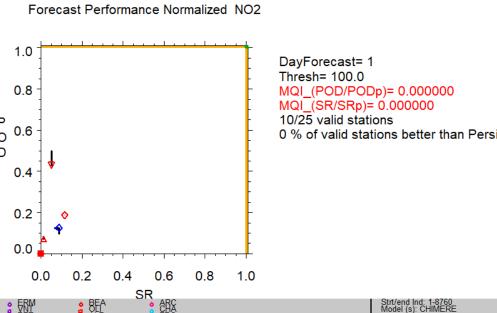
Performance Criteria satisfied

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

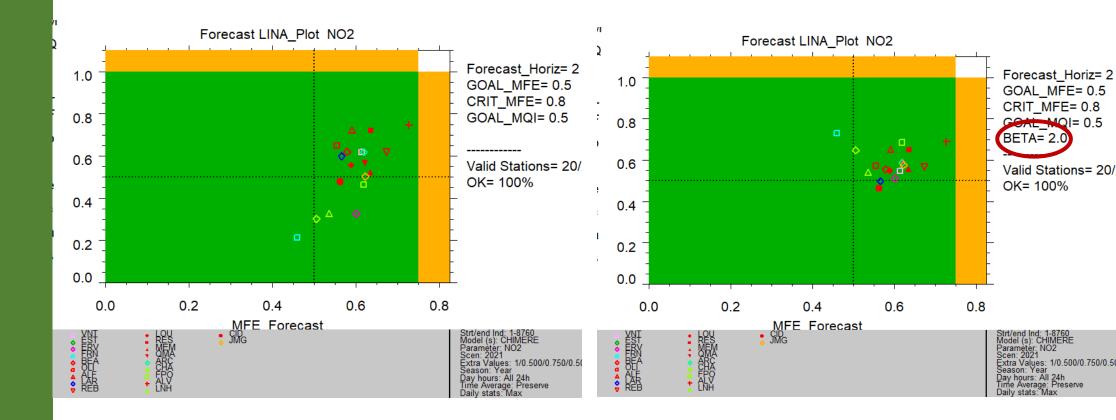
SPACE: Dot fulfills the Performance Criteria
TIME: <90% of stations fulfills the Performance Criteria
SPACE: Dot does not fulfill the Performance Criteria

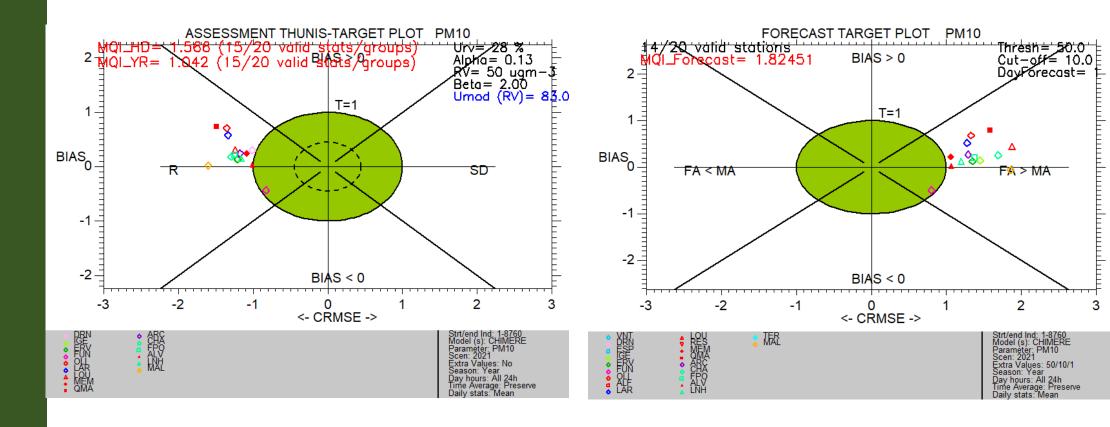
NO_2





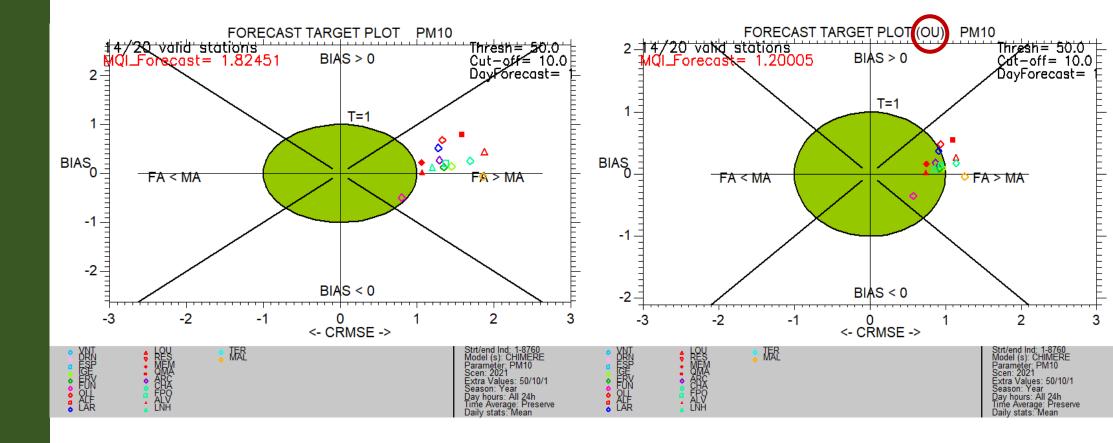




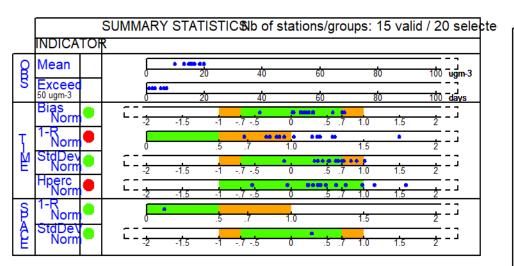


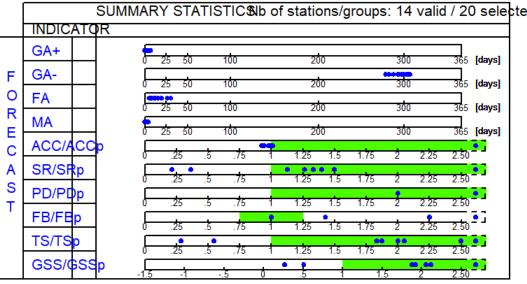
PM

PM









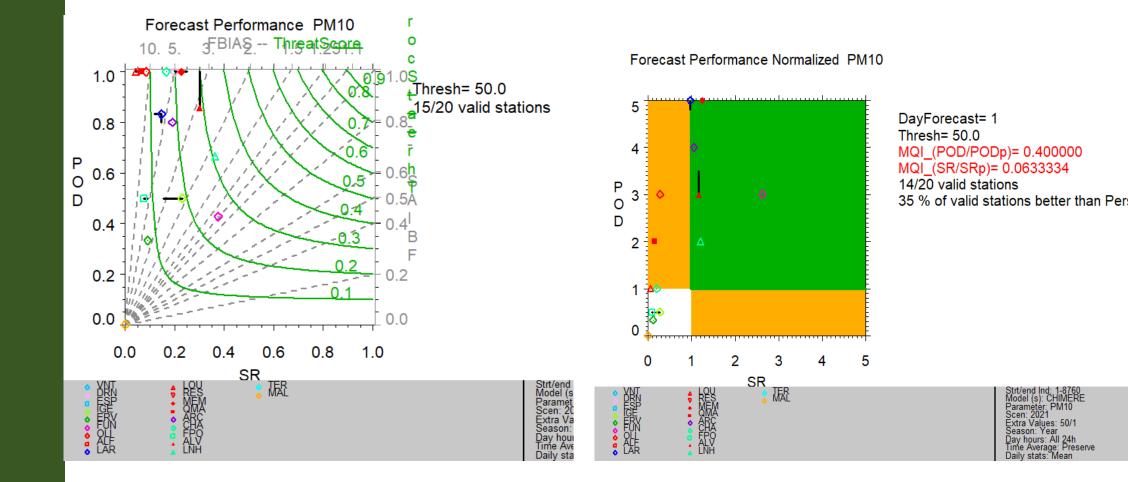
Performance Criteria satisfied Performance Criteria satisfied; Error dominated by corresponding Indicator TIME: >90% of stations fulfills the Performance Criteria

SPACE: Dot fulfills the Performance Criteria

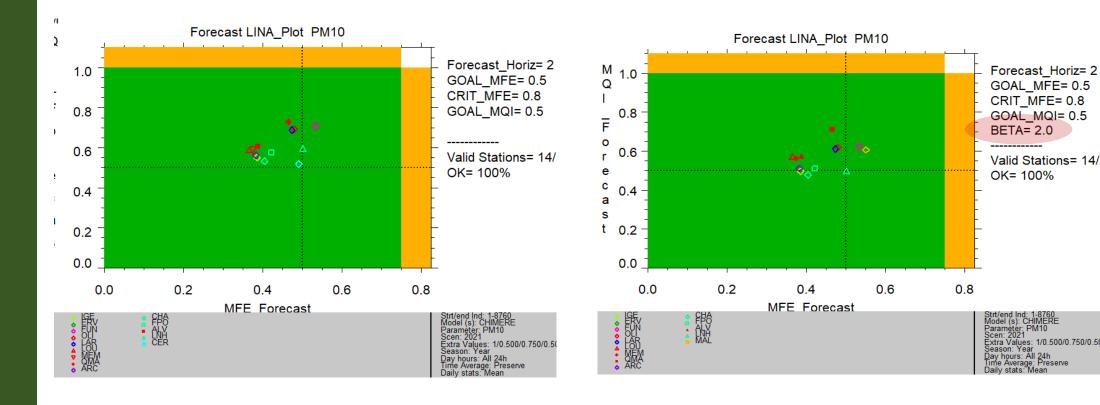
TIME: <90% of stations fulfills the Performance Criteria

SPACE: Dot does not fulfill the Performance Criteria

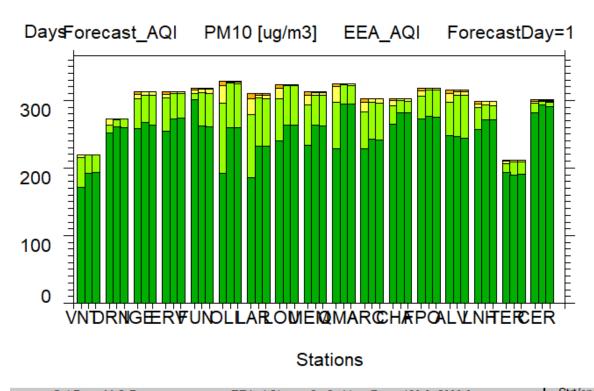


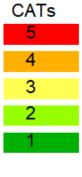


PM



PM





SubBars: M O P:	EEA_AQI:	Cat5: Very Poor	
		Cat4: Poor:	90.0180.0
		Cat3: Medium:	50.090.0
		Cat2: Good:	25.050.0

Cat2: Good: 25.0 ---50.0 Cat1: Very Good: 0.0 ---25.0 Strt/end Ind: 1-8760 Model (s): CHIMERE Parameter: PM10 Scen: 2021 Extra Values: 1 Season: Year Day hours: All 24h Time Average: Preserve Daily stats: Mean

Last note:

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

Concordância IQAs | JUN2020 - MAI2021

