

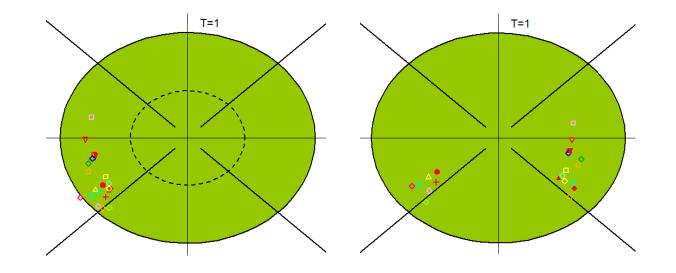
Portuguese air quality forecast evaluation with Delta Tool (2021 year)

Alexandra Monteiro Carla Gama

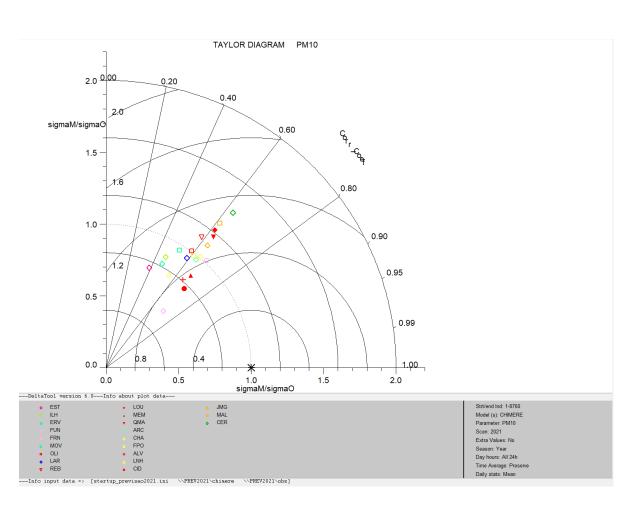
CESAM University of Aveiro Aveiro, Portugal

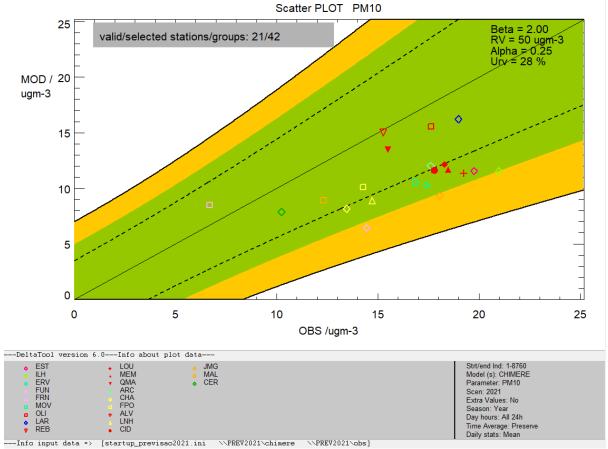


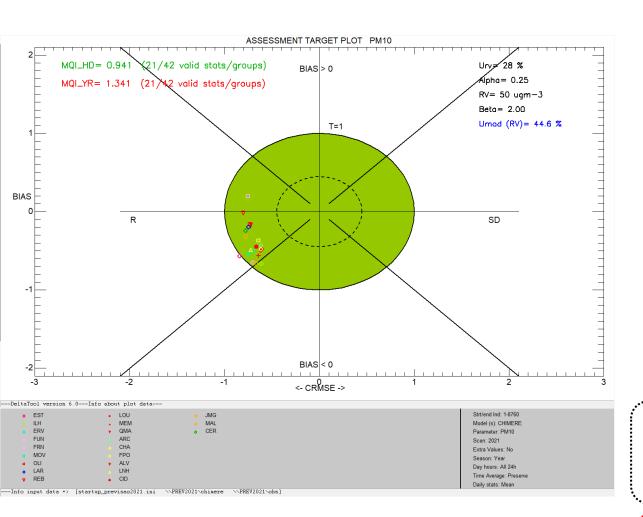


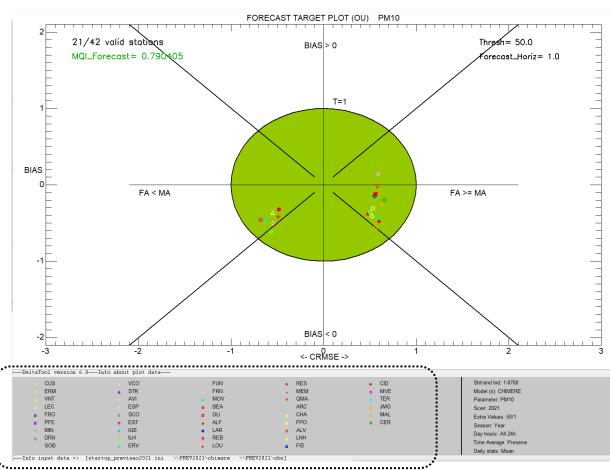




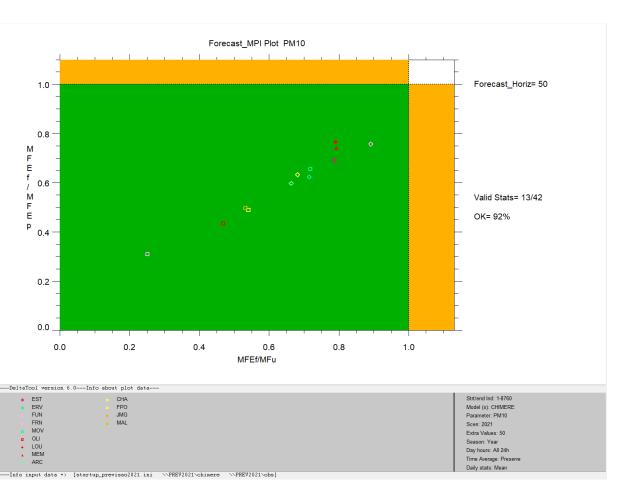


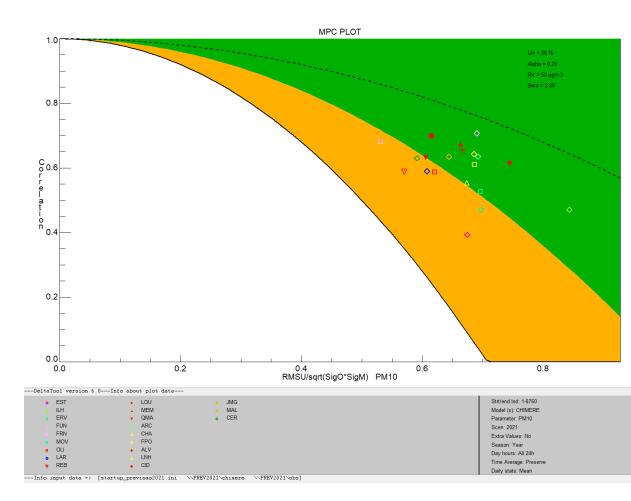




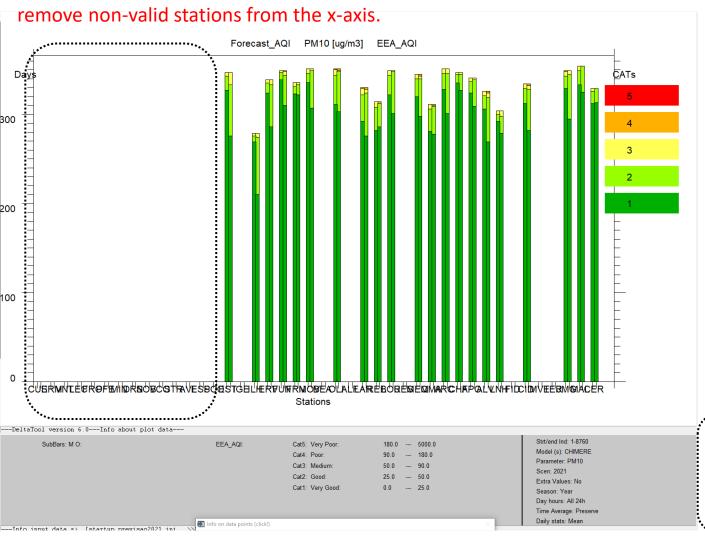


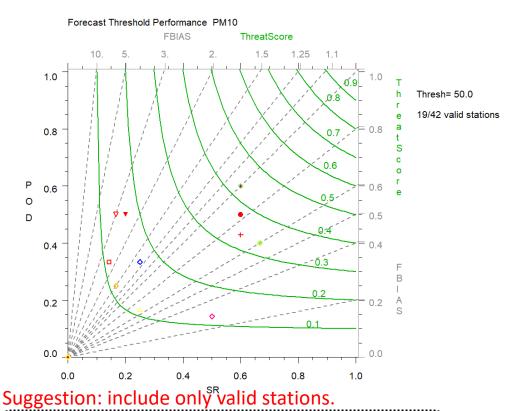
The 42 stations are shown here. Suggestion: include only valid stations.





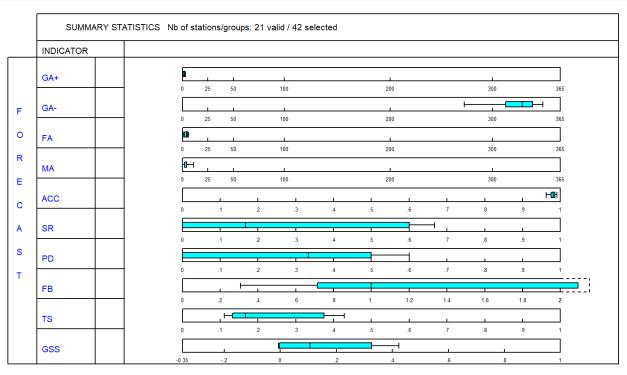
Suggestion:

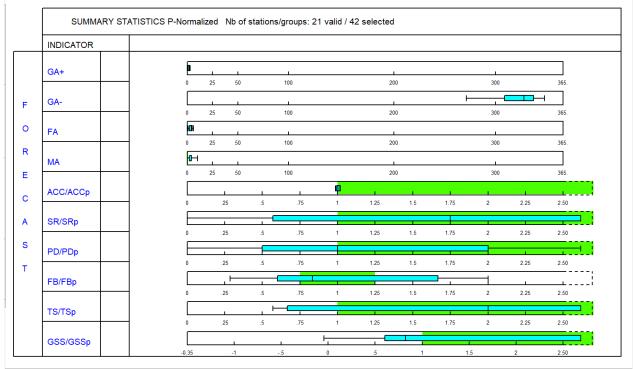




Info input data => [startup_previsao2021.ini \PREV2021\chimere \PREV2021\obs]

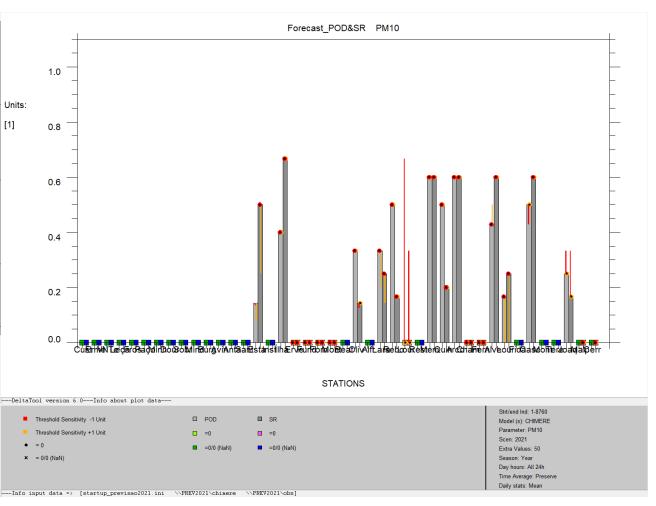
• CER





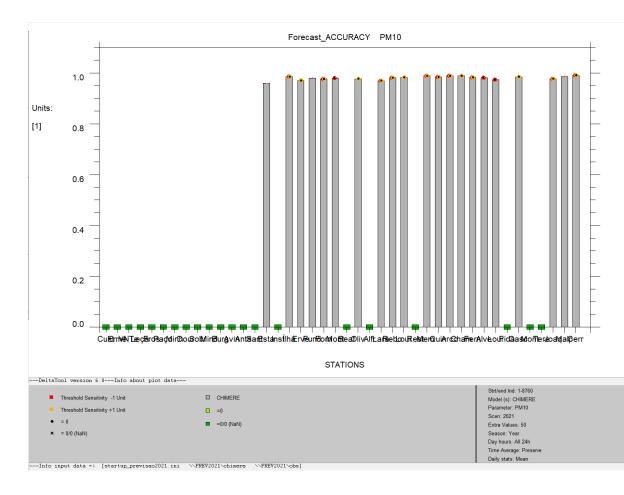
---DeltaTool version 6.0---Info about plot data---

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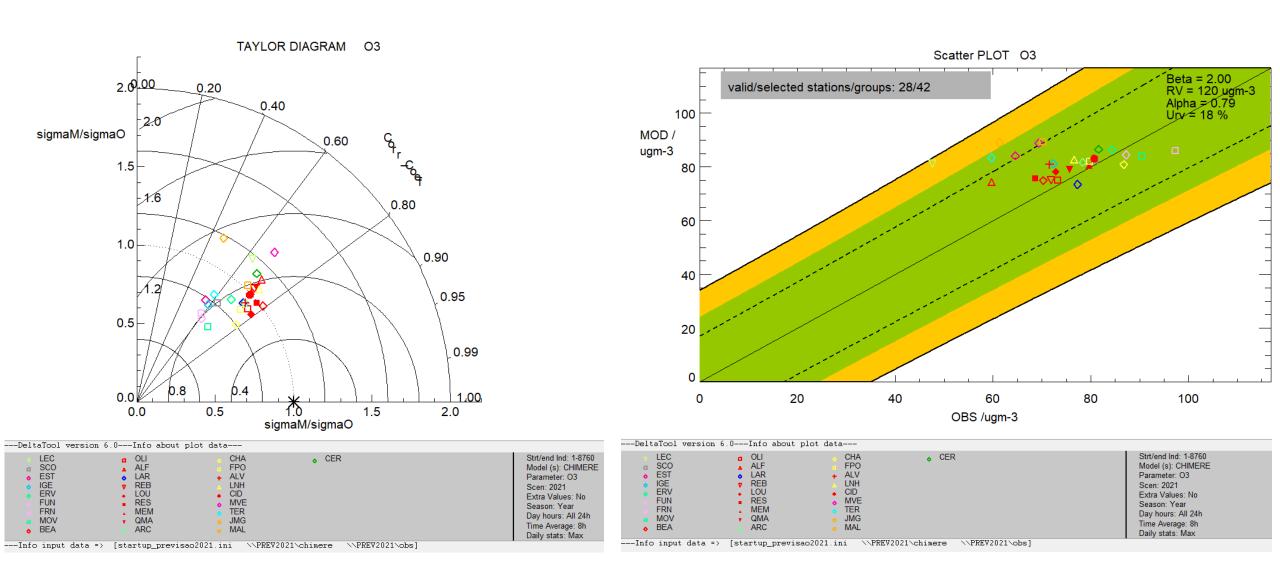


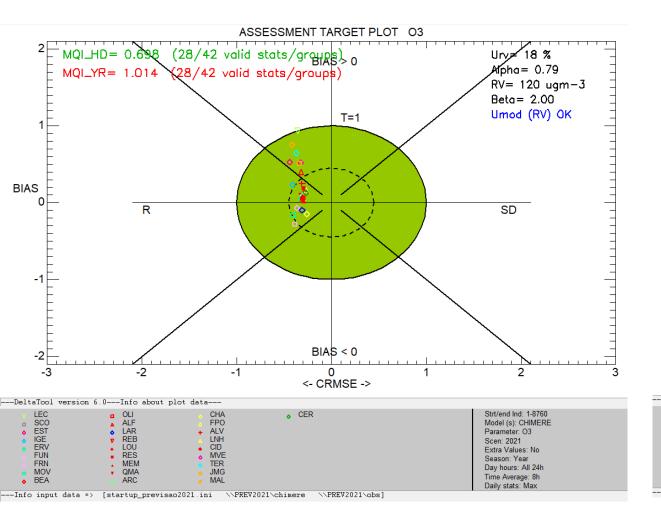
POD: Probability Of Detection

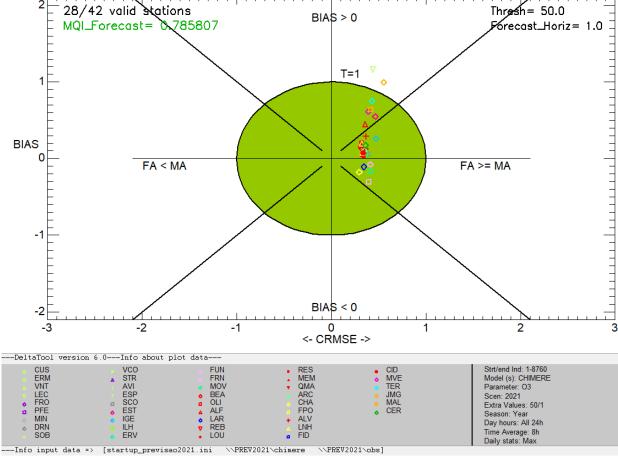
SR: Success Ratio



O_3

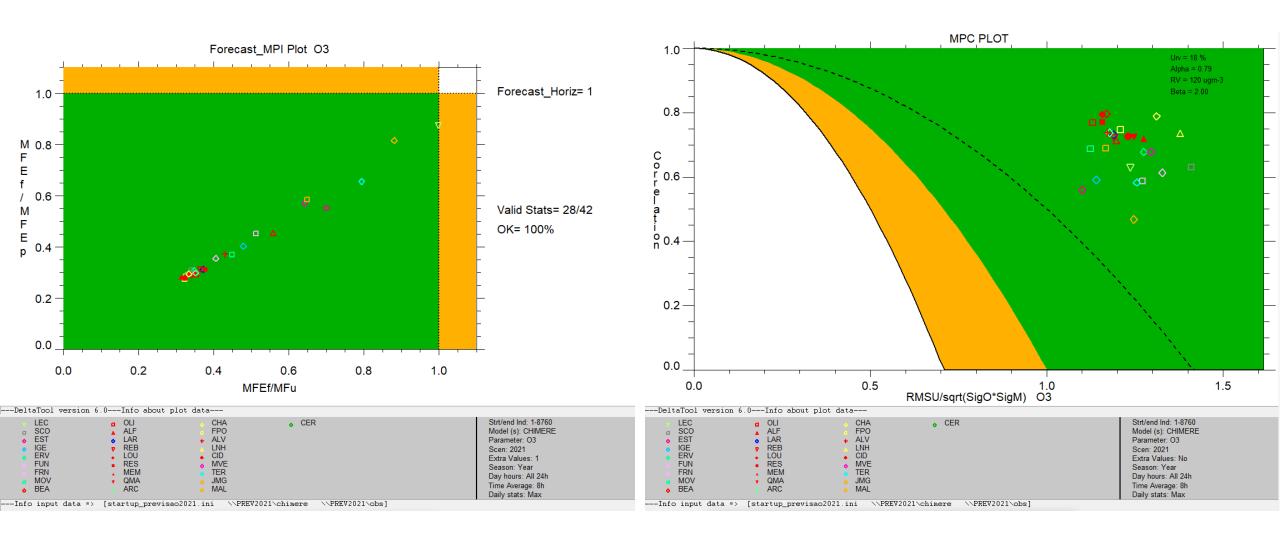


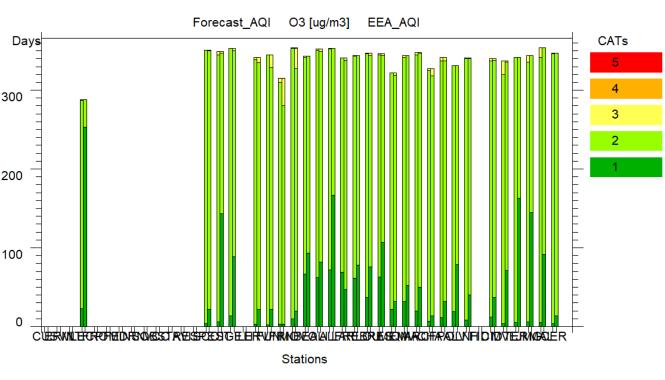


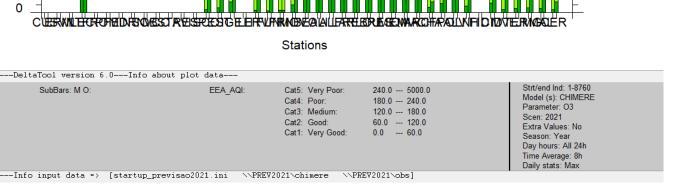


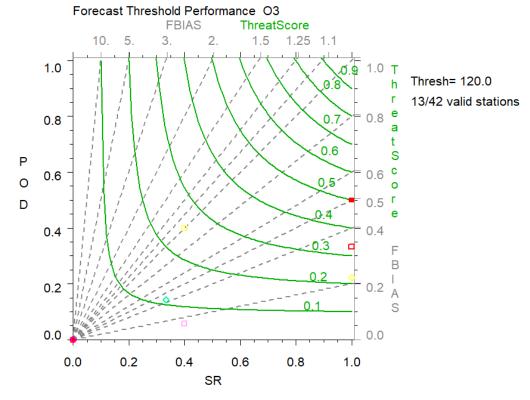
FORECAST TARGET PLOT (OU) O3

Thresh = 50.0



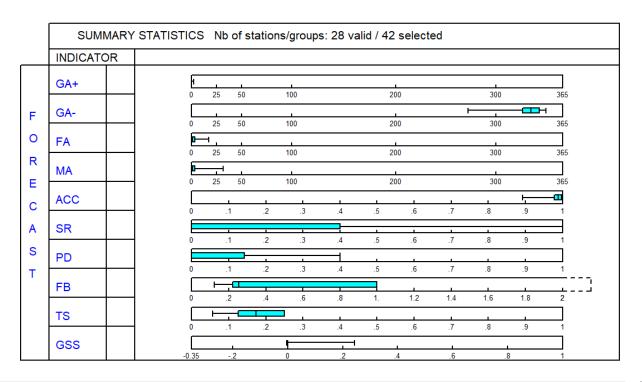


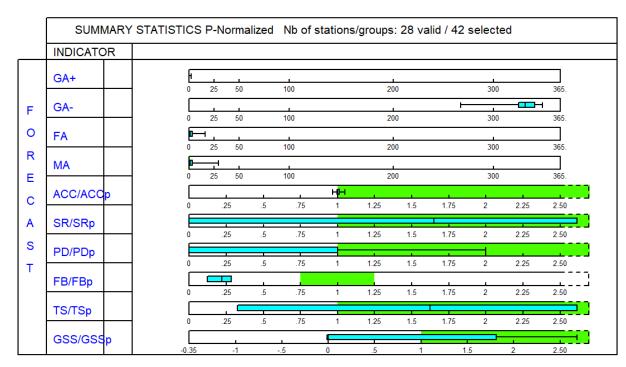


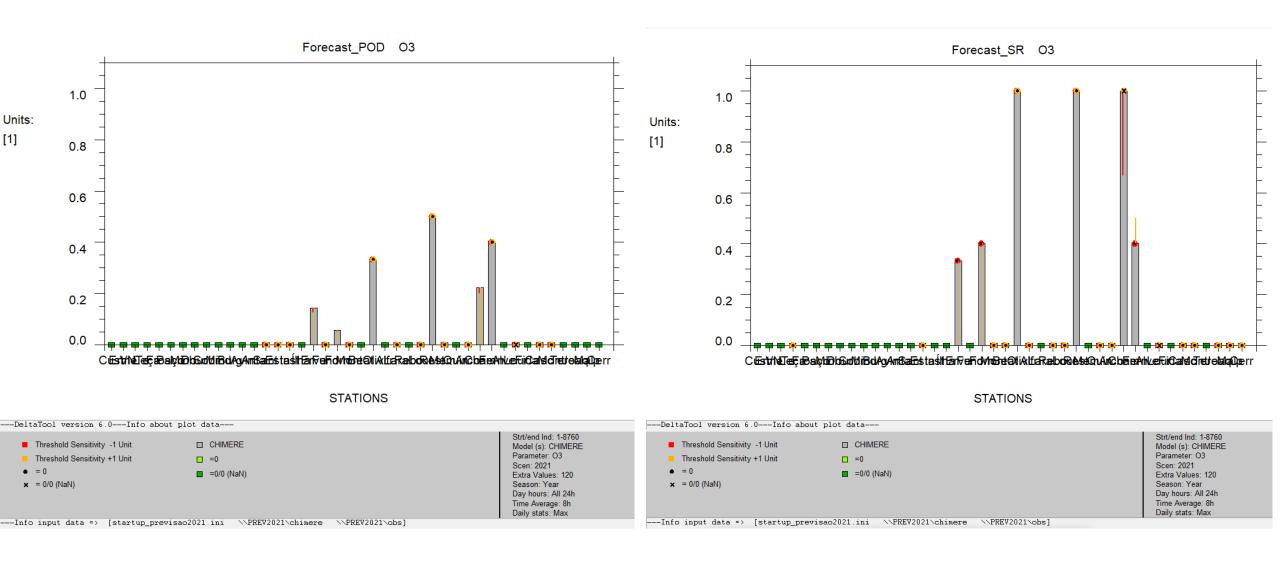












discussion

• Are the side outcomes (MPI diagram, POD & SR diagram on stations, summary report, Air Quality Index diagram) adequate to support the model evaluation, especially for experts?

Yes, but only with guidance support

- Does the current methodology look sufficiently complete?
 What (if any) important features are missing?
 We think so...
- Should the Air Quality index diagram be improved (with Multi-category Contingency Tables)?
 We think it will be good idea to have feedback from stakeholders
- Can/should we plan an application of the methodology on European scale (e.g. on CAMS data)?
 Why not?