

Solar Forecast Arbiter

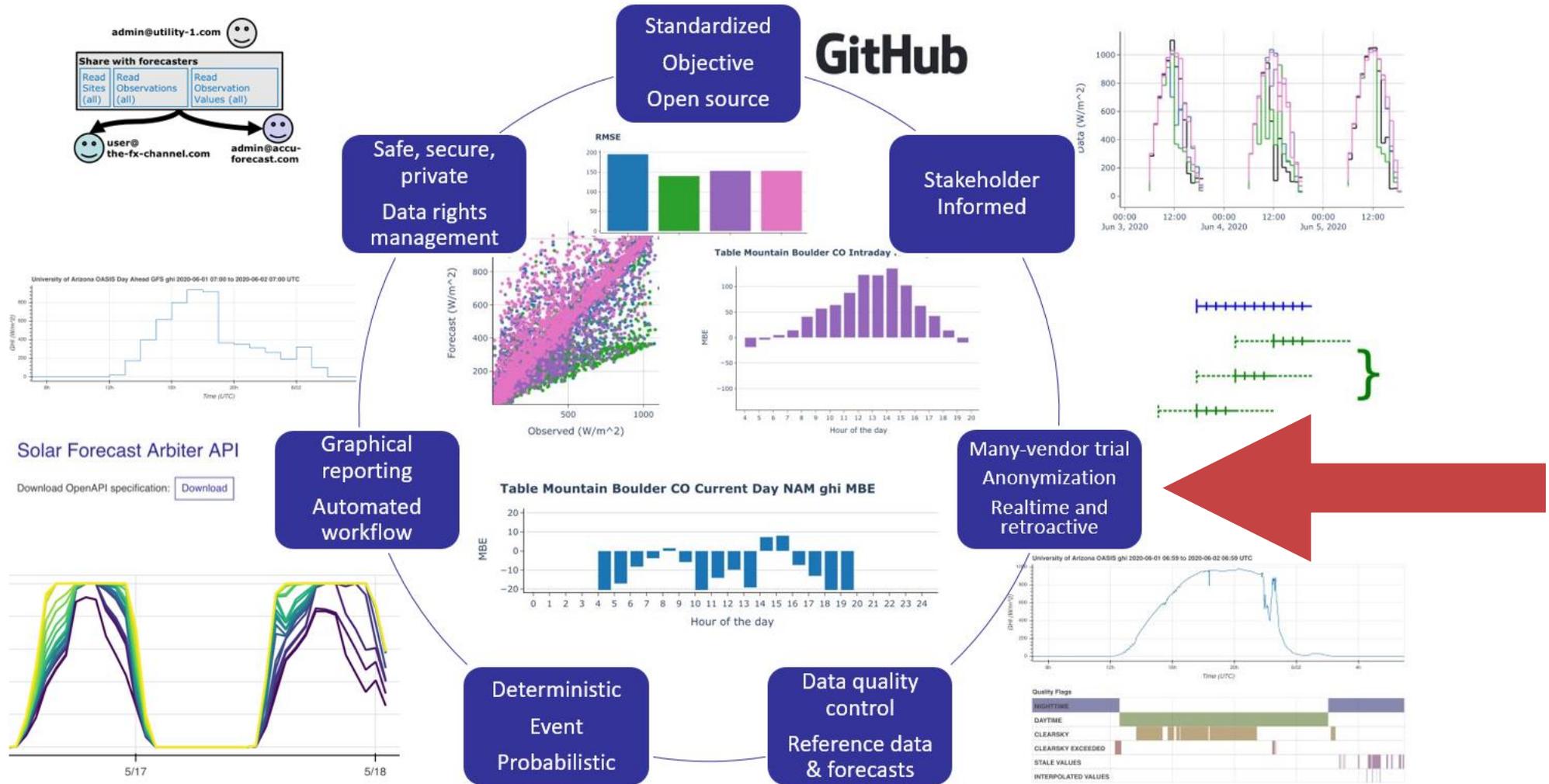
Performance, Lessons Learned and Next Steps

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Solar Forecast Arbiter (SFA)



SolarForecastArbiter.org

During the competition, the SFA:

- processed **>1.3 million** forecast data points
 - handled **day-ahead probabilistic forecasts** submitted by **18 participants** for **10 sites** across **5 time zones**
 - ingested and validated observations
 - produced benchmark forecasts
 - generated daily reports on forecast performance
- ...while continuing to support **>200 other sites**

Challenges and Lessons Learned

- **Learning curve** for participants
- Importance of **forecast schedule** design
- Value of **benchmark forecasts**
- Issuing forecasts “**operationally**”

Next steps for the SFA:

- Enhancing the SFA based on lessons learned from this competition and two completed **utility forecast trials**
- EPRI taking over stewardship and launching a **Users Group**
- **Forecast trial with a large utility** in the US Southeast in Fall 2022
- Generalizing to also support **wind power and load** forecasting

Contact David Larson <dlarson@epri.com> for more info

A blue-tinted photograph of four people, two men and two women, standing together. They are wearing white lab coats or polo shirts with the EPRRI logo. One woman is wearing a white hard hat. They appear to be in a professional setting, possibly a laboratory or office, and are looking towards the camera with slight smiles. The background is a solid blue color.

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