Solar Forecast Arbiter

Performance, Lessons Learned and Next Steps

David Larson, PhD
Grid Ops & Planning, EPRI

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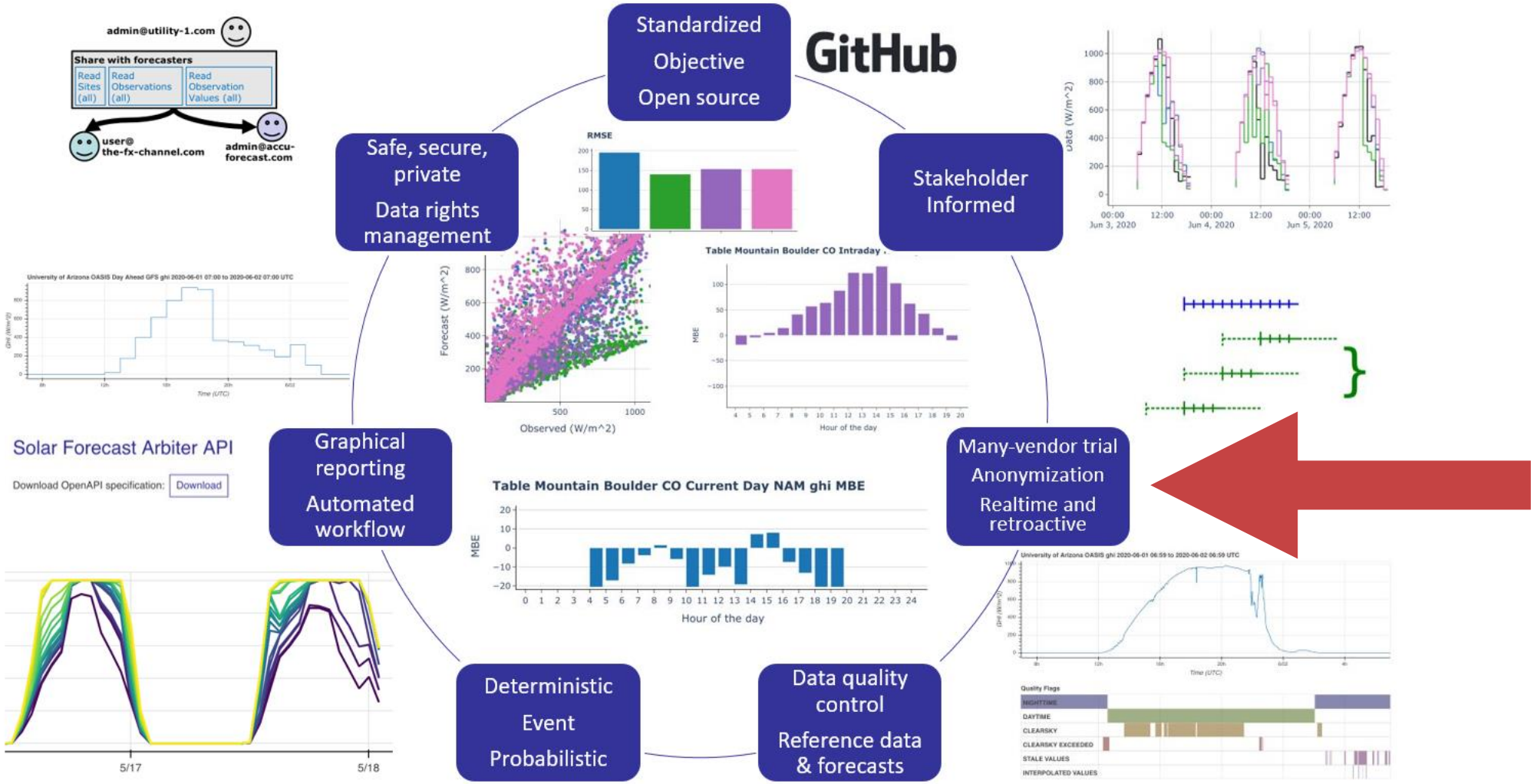
Solar Forecast Arbiter (SFA)



SolarForecastArbiter.org

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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**

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Challenges and Lessons Learned

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

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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

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