Verification for development and monitoring

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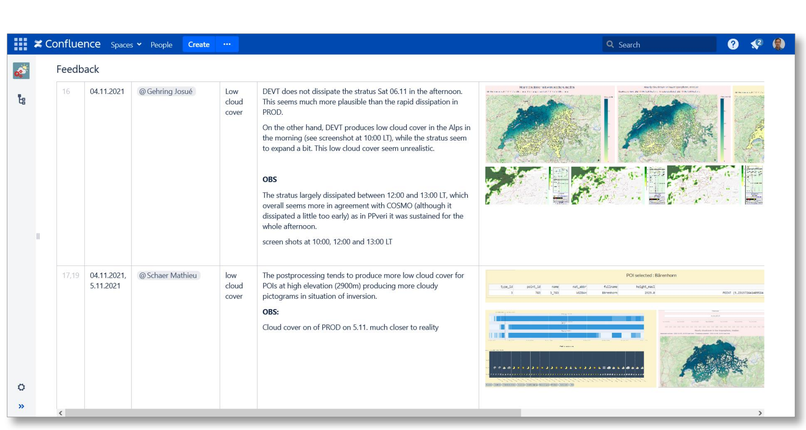
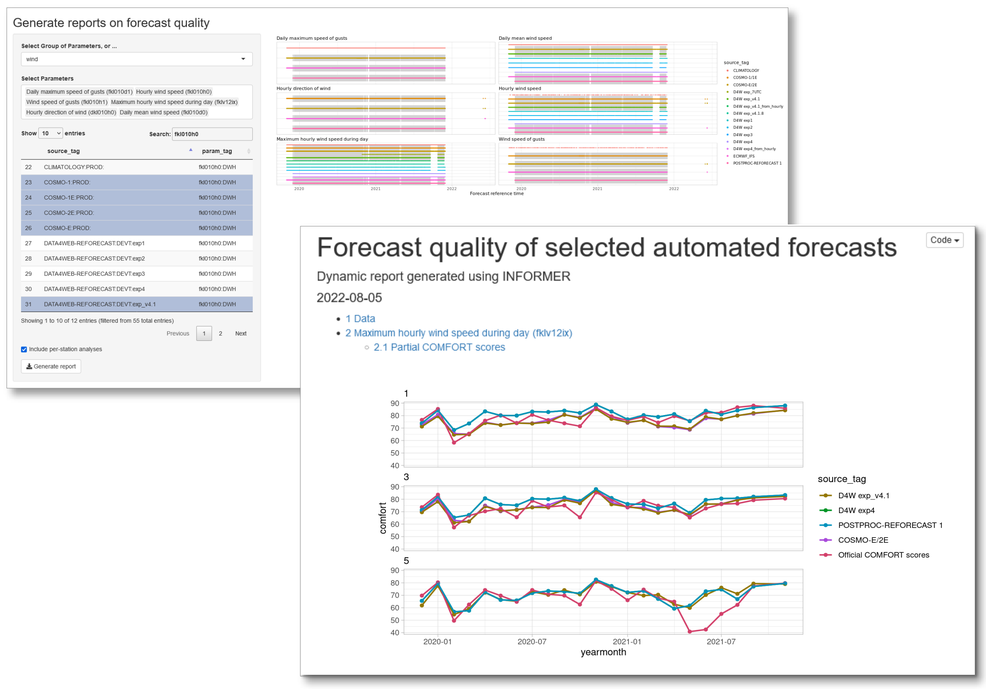
To support **development** and **monitoring** of our automated forecasts, we developed a verification platform.

Development

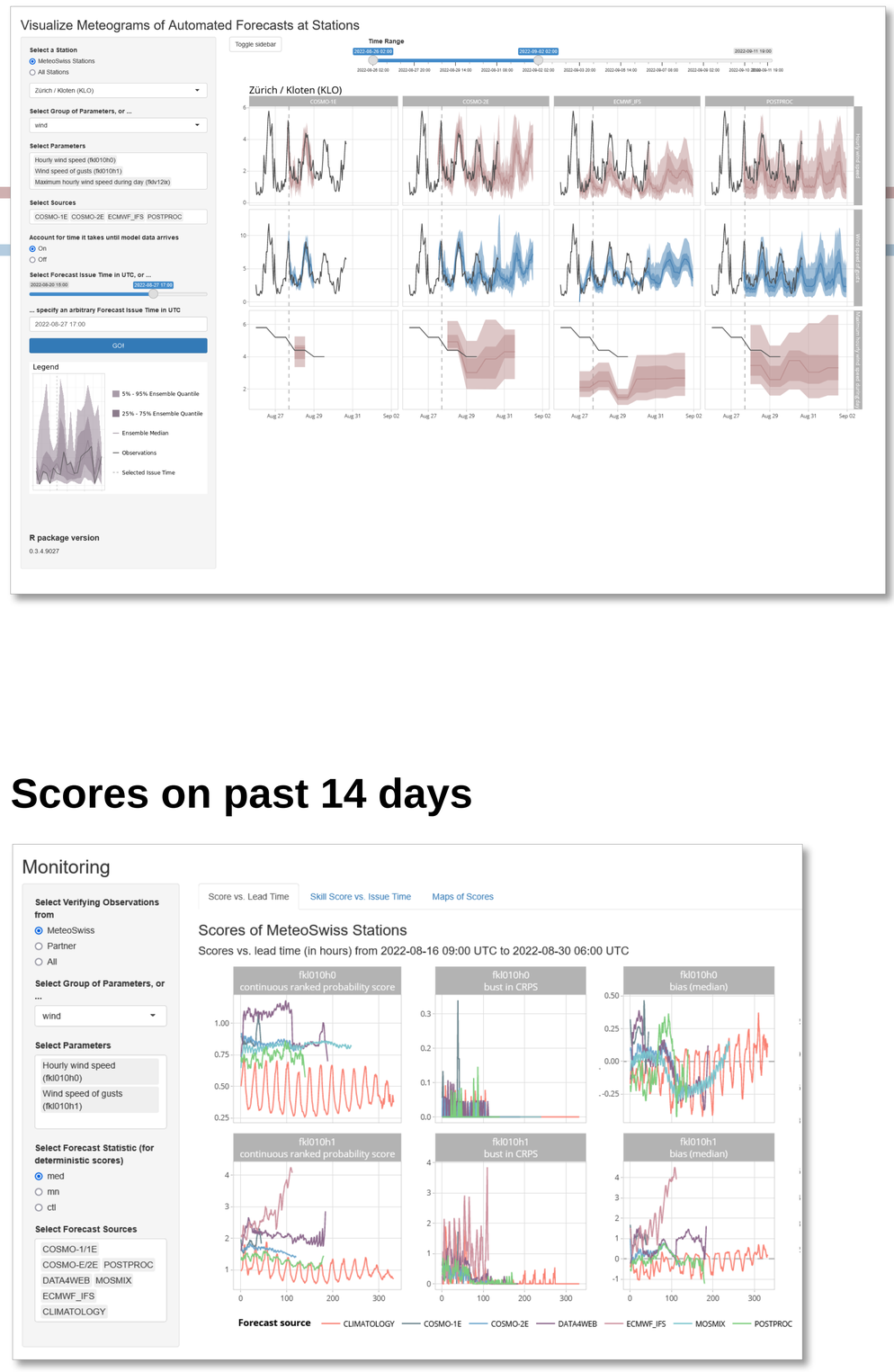
User feedback



Automatic report generation

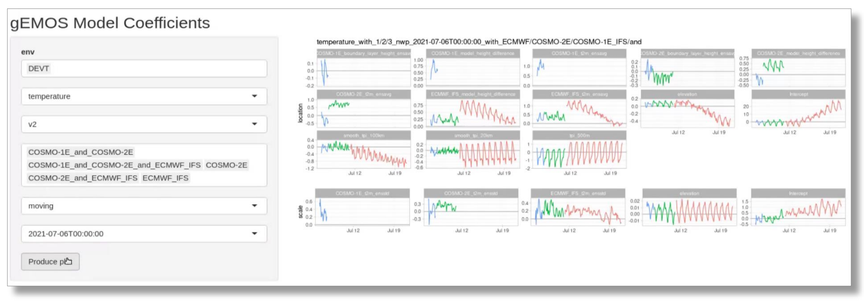


Meteograms at stations



Monitoring

Model coefficients



Scores on past 14 days

Challenges and Solutions

– Diversity of forecast archives with differences in naming and definitions
→ No easy fix, managing diverse data is hard

– Data volume, fast access and fast compute
→ verification platform based on partitioned Parquet datasets and Apache Arrow to pre-crunch summaries for visualization, but rolling archives are not fully supported.

– Variety of questions and user needs
→ Small, simple summaries rather than a lot of interactivity

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