

Data Analysis Subcommittee Update



Jenny Hand, CIRA-CSU

Fall Virtual IMPROVE Steering Committee Meeting
November 18-19, 2025

Data Compilation, Analysis, and Reporting:

- Developing the policies for generating and distributing the IMPROVE data, metadata, and data products to EPA AQS and CIRA FED.
- Reviewing and overseeing all quality control assessments as defined in the QAPP and each year reviews irregular/suspect data and makes recommendations for its disposition.
- Overseeing the generation of the routine reports and data products, e.g., the RHR metrics for tracking progress in visibility improvements .
- Helping with the unique IMPROVE data analyses and assessments.
- Hold one virtual meeting per year.



Members

Jenny Hand – Chair, CSU-CIRA

Margaret McCourtney – Minnesota Pollution Control Agency (MPCA)

Rebekka Fine – Air Quality Planning and Science Division, CARB

Liz Ulrich – Montana Dept of Environmental Quality

Bret Schichtel – NPS

Tony Prenni – NPS

Scott Copeland – CSU-CIRA

Bonne Ford – CSU-CIRA



Major Activities:

- Coding RHR metrics in Python
- IMPROVE 2024 RHR Metrics
- IMPROVE 40th Anniversary article in EM Plus
- IMPROVE website issues: semi-resolved
- IMPROVE cost savings analysis:
 - Impacts on visibility metrics from several exploratory data analyses (impacts from cutting gravimetric PM_{2.5} and PM₁₀, reducing number of sampling days, estimating coarse mass from fine dust, cutting sites)

**Celebrating the 40th Anniversary
of the IMPROVE Visibility Program
for National Parks**

by J.L. Hand, S. Copeland, B. Ford, W.C. Malm, A.J. Prenni, and B.A. Schichtel



Upcoming Activities... ?

Activity	Update/Timeline	Responsible Committee
IMPROVE QMP	Completed ✓	Network operations committee
IMPROVE QAPP	5-years (last revised 2016- underway) ~✓	Network operations subcommittee
IMPROVE Outreach Webinars	As needed/requested ✓	Outreach committee
IMPROVE cost savings analyses	Ongoing ✓	Data subcommittee
Annual RHR metrics	Annual ✓	Data subcommittee