

2026 AR Recon Workshop

2nd Observational Campaigns Workshop for Better Weather Forecasts: Some Closing Remarks

Supported by
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Some Takeaways from This Week

- The synergy between field measurements and forecast models is growing: mutual dependence
- The importance of two boundary layers: near the surface and near the tropopause
 - Still crucial need for fluxes across components/boundaries
 - Are our observations appropriately concentrated and nuanced in these regions?
- Advances in observing technology are evident, and it is not all about satellites
- Machine learning is a rapidly emerging tool, but not the driving force (yet)
 - Key to efficient workflows with multiple data types and formats
 - Observations will be the foundation for both physical and ML models, but not in the same way
- Public-private collaborations are more significant than ever, and still tricky to navigate
- International data sharing has improved
 - Still difficult for some data (radar)
 - Role for WMO in public-private relations, consistent formats, updating what is “core”
- For the future: observations of the social system in relation to “warnings”