

## 2024 NASA CMS Science Team Meeting Summary September 17-19, 2024 (Washington, D.C.)

- From September 17-19, 2024 the NASA Carbon Monitoring System (CMS) Science Team Meeting took place at AGU Headquarters in Washington, D.C.
- The goals of the meeting included: update on NASA programmatic goals; stakeholder engagement; presentation of CMS results and future plans; advance and share progress of working groups and synthesis efforts; discussion of science team activities for 2024-2025.
- The meeting had 132 participants, including 97 in person, 35 virtual.
- Early career participants totaled 53, including 6 graduate students, 13 postdocs, 34 <10 years post terminal degree.
- Stakeholder participants totaled 28, including stakeholders from the US, Canada, South Africa, Switzerland, Brazil, and the UK. These stakeholders were from a diverse set of organization types: Federal Government (8), NGO (5), University (4), Inter-governmental Organization (3), State Government (3), Company (3), Research Institute (2).
- The keynote presentation by Dr. Melissa Weitz (US EPA) highlighted the successful adoption of key CMS products for official US GHG reporting.
- CMS continues to be highly productive and impactful. To date, CMS has produced 695 publications cited 56,211 times, with 53 in top-tier (Science, Nature, PNAS). It has also archived 189 data products downloaded >160,000 times. In the process, it has engaged 924 participants, and >200 stakeholders from 170 organizations.
- Through its novel emphasis on integrating remote sensing, field data and modeling together with end-to-end stakeholder engagement, CMS is a leading example of Earth Science to Action.

