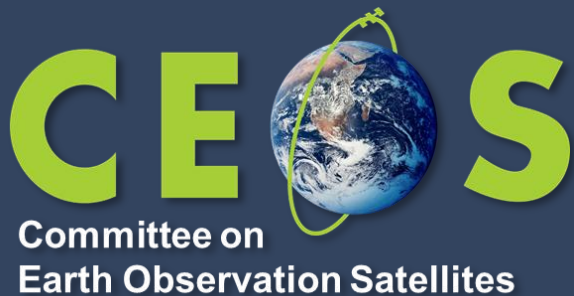


Fire and Smoke Session

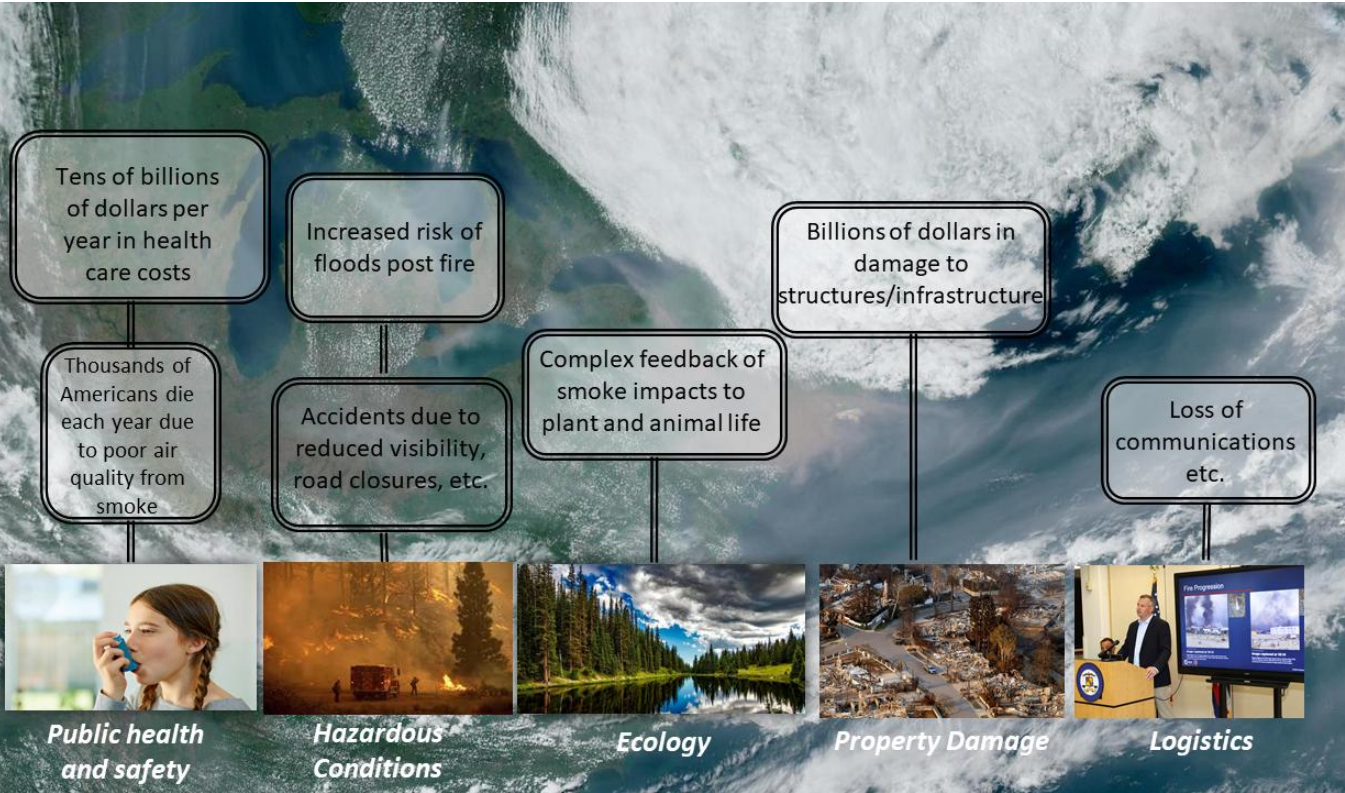
Chaired by Shobha Kondragunta (NOAA) and Ben Veihelmann (ESA)



CEOS AC-VC 22

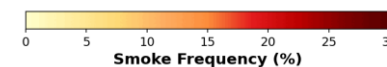
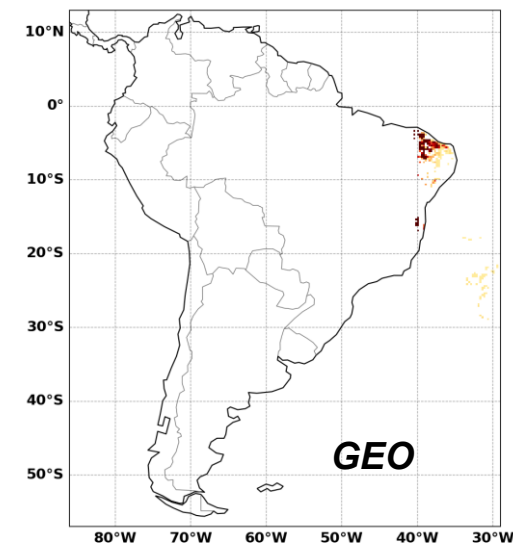
Leiden, the Netherlands

3 June 2026

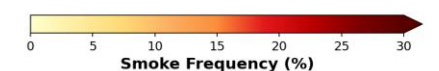
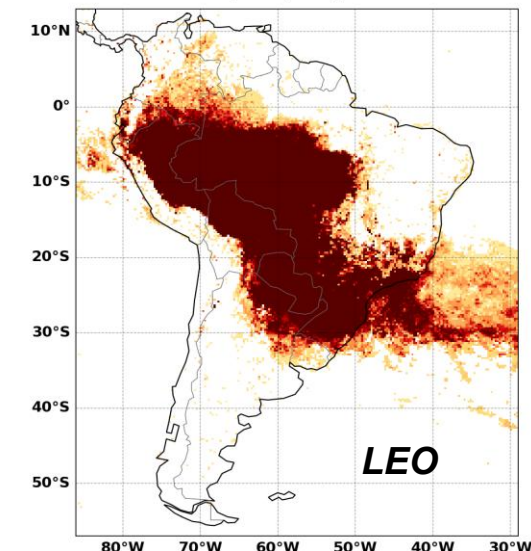


- SIT Chair theme: connected data for community resilience.
- AC-VC engagement with LSI-VC's Wildfire pilot(s). Smoke exposure and smoke plume toxicity are of interest to AC-VC.
- AC-VC white paper on expanding geostationary satellite coverage for atmospheric composition in the southern hemisphere – fires are a major source of pollution.

Smoke Frequency: September 2024 09:00 UTC



Smoke Frequency: September 2024



		Fire and Smoke		
5.1	14:00	LSI-VC remarks	Doug Morton (NASA) / Mark de Jong (NRCan)	20
5.2	14:20	Fire and smoke related activities at EUMETSAT	Bertrand Fournie (EUMETSAT)	10
5.3	14:30	Fire and smoke related activities at NASA	Ian Brosnan (NASA)	10
5.4	14:40	NOAA Wildland Fire Program	Mike Pavolonis (NOAA)	10
5.5	14:50	Analysis of LA fires	Fangjun Li (South Dakota State University)	10
5.6	15:00	Toxicity from burning structures	Joost de Gouw (U. Colorado)	10
5.7	15:10	Smoke exposure hazards from wildfires	Amy Huff (NOAA)	10
5.8	15:20	Smoke and health impacts	Daniel Tong (GMU)	10
	15:30	Break		15
5.9	15:45	Using satellite data for exceptional events monitoring	Joel Dreessen (MDE)	10
5.10	15:55	Preparing communities for smoke exposure	Sara Basart (WMO)	10
5.11	16:05	Using TEMPO NO ₂ to validate fire emissions	Fangjun Li (South Dakota State University)	10
5.12	16:15	Smoke detection from UV sensors	Pubu Ciren (NOAA)	10
5.13	16:25	EarthCARE observations of smoke	Gerd-Jan van Zadelhoff (KMNI)	10
5.14	16:35	BBURNED	Mark Parrington (ECMWF)	10
5.15	16:45	Smoke height relevance	Brian McDonald (NOAA)	10
5.16	16:55	Need for fire phase information	Jun Wang (University of Iowa)	10
5.17	17:05	Bringing QFED into VIIRS Era	Allie Collow (NASA)	10
5.18	17:15	Discussion		30
	17:30	Adjourn		