	Location	Google, 3rd Floor, 123 Buckingham Palace Road, London SW1W 9SH
		Google Meet joining info
		Video call link: https://meet.google.com/pss-agjr-zkv
		Or dial: (US) +1 617-675-4444 PIN: 463 110 151 1474#
	Virtual	More phone numbers: https://tel.meet/pss-agjr-zkv?pin=4631101511474
	Agenda	All times BST / UTC+1

Wednesday, June 19, 2024

Duration	Start	End	Research Presentations & Discussion
0:30	8:30	9:00	Arrival + breakfast
0:10	9:00	9:10	Goals, schedule, housekeeping
0:20	9:10	9:30	**Introduction:** Steven Barrett (UCambridge), Vincent Meijer (TUDelft)
1:00	9:30	10:30	**Presentations:** Observations of contrail formation
0:20	9:30	9:50	Phillippe Very (Eurocontrol)
0:20	9:50	10:10	Olivier Liandrat (Reuniwatt): *Observation of clouds and contrails using sky imagers*
0:20	10:10	10:30	Aaron Sarna (Google): *Contrail Attribution in Geostationary Satellite Imagery*
0:15	10:30	10:45	**Break**
1:15	10:45	12:00	**Presentations:** Observations of contrail formation
0:20	10:45	11:05	Remi Chevallier (Airbus/ENAC): *A Simple and Cost-Effective Method for Contrails Ground Observation: Application in Concept of Operations Feasibility Studies*
0:20	11:05	11:25	Wouter Vandenneuker (MUAC): *Prototyping a Contrail Camera Network: From Concept to Reality*
0:20	11:25	11:45	Luc Busquin (Alaska Airlines): *Using Global Meteor Network Cameras for Contrail Observation*
0:15	11:45	12:00	Peter DeBock (ARPA-E), Miad Yazdani (RTX), Saikat Majumder (GE), Eric Klobas (Northrup): *ARPA-E PRE-TRAILS Update*
1:00	12:00	13:00	**Lunch + Networking**
1:20	13:00	14:20	**Presentations:** Evaluating forecasts
0:20	13:00	13:20	Vincent Meijer (TUDelft): *Contrail forecast evaluation using satellite data*
0:20	13:20	13:40	Scott Geraedts (Google): *ContrailBench: datasets for forecast evaluation*
0:20	13:40	14:00	Greg Thompson, Adam Durant (Satavia): *On the fidelity of high-resolution numerical weather forecasts of contrail-favorable conditions*
0:20	14:00	14:20	Seb Eastham (Imperial): *Using LIDAR to analyze and evaluate contrail models*
0:20	14:20	14:40	**Break**
1:20	14:40	16:00	**Presentations:** Operational evaluation

0:20	14:40	15:00	Christiane Voigt (DLR): *New results on contrails, SAF and lean burn engine technology from recent aircraft campaigns*
0:20	15:00	15:20	Aarón Sonabend (Google), Tom Dean (BE): *Evaluating preliminary avoidance trials*
0:20	15:20	15:40	Louis Robion, Prashanth Prakash (MIT): *Leveraging contrail observations and measurements from flight campaigns*
0:20	15:40	16:00	Dennis Piontek, Kai Widmaier (DLR): *First results for the AKKL 100-flights-trial & CONCERTO*
1:00	16:00	17:00	**Discussion**: Reflecting on Day 1's learnings
0:30	16:00	16:30	Breakout groups - small group discussion w/ guided questions
0:20	16:30	16:50	Review and discuss breakout group findings
0:10	16:50	17:00	Wrap-up Day 1
	17:00		End of Day 1
	18:00		Informal happy-hour gathering at the [Market Hall, Victoria](#)
			191 Victoria St, SW1E 5NE

Thursday, June 20, 2024

	Start	End	Research Presentations & Tutorials
0:30	8:30	9:00	Arrival + breakfast
1:20	9:00	10:20	**Presentations:** New forecast and planning approaches
0:20	9:00	9:20	Axel Seifert (DWD): *A two-moment cloud ice scheme in the ICON model for predicting ice supersaturation*
0:20	9:20	9:40	Zane Dedekind (Environment Canada): *Reducing the Impact of Aircraft Induced Clouds on Climate – Development of the Contrail Avoidance Tool (CoAT)*
0:20	9:40	10:00	Zeb Engberg (BE), Tharun Sankar (Google): *A hybrid contrail forecast model*
0:20	10:00	10:20	Alejandra Frias-Martin (Flightkeys): *Implementation of contrail avoidance in commercial flight planning*
0:40	10:20	11:00	**Break + Demos**
1:00	11:00	12:00	**Presentations:** Observations of Climate Forcing
0:20	11:00	11:20	Ollie Driver (Imperial): *Factors influencing contrail observability in satellite images*
0:20	11:20	11:40	Xinyue Wang (Climaviation): *Estimating the radiative effect of contrail outbreaks by using geostationary satellite observations*
0:20	11:40	12:00	Kevin McCloskey, Aarón Sonabend (Google): *12hr satellite-driven contrail flux via causal inference*
1:00	12:00	13:00	**Lunch + Networking**
1:00	13:00	14:00	**Lab 1a:** Scott Geraedts (Google): *Using ContrailBench*
1:00	14:00	15:00	**Lab 2a:** Nick Masson, Tom Dean (BE): *Contrails Observer app hackathon*
			Lab 2b: Seb Eastham (Imperial), Tristan Abbott (BE): *Getting set up with APCEMM*
1:00	15:00	16:00	**Lab 3a**: Nick Masson (BE), Shelagh McLellan (Google): *User stories: Designing products people love*

			Lab 3b: Zeb Engberg, Tristan Abbott (BE): *Finding flights in Landsat and Sentinel*
0:30	16:00	16:30	Co-working session
0:30	16:30	17:00	Wrap-up, feedback, how to stay in contact and contribute
	17:00		End of Day 2

Friday, June 21, 2024

	Start	**End**	**Co-working session**
0:30	8:30	9:00	Arrival
6:00	9:00	15:00	Co-working session
	15:00		Wrap-up, feedback, how to stay in contact and contribute
			End of Workshop