



**World Weather Research Programme
(WWRP)**



**Standing Committee on Services for
Aviation (SC-AVI)**

A subsidiary body of WMO's Services Commission (SERCOM)

**Aviation Research and Development Project – Phase 2 (AvRDP2)
Scientific Steering Committee First in-person meeting (Hybrid)**

Agenda

Date	26, 27 and 28 September 2022	Time	0800 – 1600 (1100) UTC
Reference	AvRDP-2		
Method	Hybrid (in person at UK Met Office HQ, and online)		

Objective	To 'bring the plans to life' - to work through at least two city pairs to see how the project might work. To further combine the expertise of the SSC and the Community Advisory Group (who will also be invited)
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No.	Topic	Timing (UTC)	Leads (still being filled in)
Day 1 (26 September 2022, 0800-1600 UTC)			
<i>Video-conference link for Day 1: to be provided by the UK Met Office</i>			
1	Opening of the meeting		
1.1	Opening remarks	0810	Chris
1.2	Self-introductions	0830	All
1.3	Purpose of the meeting	0840	Chris, Piers
2	Reporting back from expert themes (10 mins talk per 5 mins questions).		
2.1	1. Convection (thunderstorms) 2. Convectively induced turbulence 3. High Altitude Ice Crystals	0850	1. Chris 2. Xiaoming 3. Piers
	<i>Coffee break 30'</i>	0940	
2.1 (cont.)	4. Blending techniques 5. Machine Learning (ML) methods 6. Verification methods 7. Probabilistic forecasting 8. How to take all the science information and apply it to ATM	1010	4. Jian 5. Morne 6. Stephanie L 7. John 8. Michiko
	<i>Lunch break 65'</i>	1125	
2.1 (cont.)	9. How to get feedback from users to understand benefits or not of hazard data sources.	1230	9. Ping
	Conclusion. Wrap up remarks on these reports.	1245	Piers, Chris, All
3	First Airport Pair (LHR->JNB)		
3.1	Current operational procedure for routing (CAG / SSC) and perspectives on meteorological challenges for routing (CAG)	1300	CAG, SSC
	<i>Coffee break 30'</i>	1345	
3.2	Aviation weather challenges in Europe Aviation weather challenges in Africa	1415	John, Piers, CAG

			Morne, Stephanie L, CAG
3.3	Suggested hazard products / data that could be used for supporting flights along this route.	1500	John, Piers, others? Morne, Stephanie L, others?
--	Close of day 1 and look ahead to day 2	1555	Chris, Piers
Day 2 (27 September 2022, 0800-1600 UTC)			
<i>Video-teleconference link for Day 2: to be provided by the UK Met Office</i>			
--	Recap of Day 1 and plan for Day 2	0800	Chris, Piers
4	Second Airport Pair Worked Discussion HKG-SIN		
4.1	Current operational procedure for routing (CAG / SSC) and perspectives on meteorological challenges for routing (CAG)	0815	CAG, SSC
	Coffee break 30'	0945	
4.2	Suggested hazard products / data that could be used for supporting flights along this route.	1015	Ping, Xiaoming, CAG. SSC
	Lunch break 75'	1130	
5	Brief scientific interlude (relevant talks to problem from Met Office scientists in person).		
5.1	Andre Lanyon (Aviation Applications) 'Semi-Autonomous TAFs' Pete Francis (Space Applications and Nowcasting) 'Satellite products for severe convection and HAIC.'	1245	Piers, Met Office colleagues
	Coffee break 30'	1345	
6	Science Plan for AvRDP2		
6.1	Review of the latest outline plan and begin consolidating the science plan	1415	SSC
	Close of Day 2	1545	Chris, Piers
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Day 3 (28 September 2022, 0800-1100 UTC)			
<i>Video-teleconference link for Day 3: to be provided by the UK Met Office</i>			
	Recap of Day 2 and plan for Day 3 (morning)	0800	Chris, Piers
--	Science Plan for AvRDP2 (cont.)		
6.2	Collective work for the consolidation of the science plan	0805	SSC members
	Coffee break 30'	0930	
6.3	Open forum to discuss the science plan	1000	SSC members, CAG members
6.4	Agreed next steps with deadlines and assignments	1025	
	Any other business and closing remarks	1045	Chris, Piers
	Lunch break and/or departure'	1100	
	<i>Note, the video-teleconference invitations are unique for each day. Please log-in around 5 minutes prior to the start time.</i>		