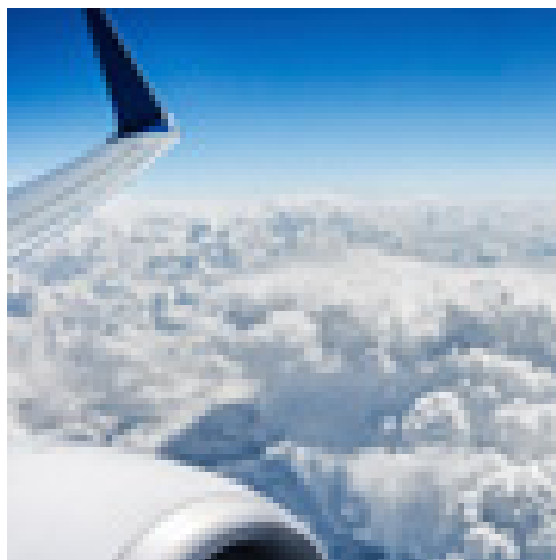


# **Workshop: Aircraft weather observations and their use**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Round table introduction

*Wednesday, 12 February 2020 09:05 (15 minutes)*

**Session Classification:** Session 1: Introduction

Contribution ID: 2

Type: **not specified**

## **Introduction to global aircraft-based observations (ABO)**

*Wednesday, 12 February 2020 09:20 (20 minutes)*

**Presenter:** STRINGER, Steve (EUMETNET)

**Session Classification:** Session 1: Introduction

Contribution ID: 3

Type: **not specified**

## **EMADDC & plans**

*Wednesday, 12 February 2020 09:40 (20 minutes)*

**Presenter:** SONDIJ, Jan (KNMI)

**Session Classification:** Session 1: Introduction

Contribution ID: 4

Type: **not specified**

## Discussion

*Wednesday, 12 February 2020 10:00 (30 minutes)*

**Session Classification:** Session 1: Introduction

Contribution ID: 5

Type: **not specified**

## Poster introductions

*Wednesday, 12 February 2020 10:30 (5 minutes)*

**Session Classification:** Session 1: Introduction

Contribution ID: 6

Type: **not specified**

## **E-AMDAR Data monitoring**

*Wednesday, 12 February 2020 10:50 (20 minutes)*

**Presenter:** VAN DER MEULEN, Jitze (KNMI)

**Session Classification:** Session 2: Temperature

Contribution ID: 7

Type: **not specified**

## ECMWF Assimilation & Data Monitoring

*Wednesday, 12 February 2020 11:10 (20 minutes)*

**Presenter:** INGLEBY, Bruce (ECMWF)

**Session Classification:** Session 2: Temperature



Contribution ID: 8

Type: **not specified**

## Forecaster use of ABO

*Wednesday, 12 February 2020 11:30 (20 minutes)*

**Presenter:** EINARSSON, Björn (IMO)

**Session Classification:** Session 2: Temperature

Contribution ID: 9

Type: **not specified**

## Temperature bias

*Wednesday, 12 February 2020 11:50 (20 minutes)*

**Presenter:** DRÜE, Clemens (University of Trier)

**Session Classification:** Session 2: Temperature

Contribution ID: **10**

Type: **not specified**

## Discussion

*Wednesday, 12 February 2020 12:10 (50 minutes)*

**Session Classification:** Session 2: Temperature

Contribution ID: 11

Type: **not specified**

## **Global ABO data monitoring (remote presentation)**

*Wednesday, 12 February 2020 14:00 (20 minutes)*

**Presenter:** ZAITSEVA, Yulia (Environment Canada)

**Session Classification:** Session 3: Wind

Contribution ID: 12

Type: **not specified**

## Discussion

*Wednesday, 12 February 2020 14:40 (20 minutes)*

**Session Classification:** Session 3: Wind

Contribution ID: 13

Type: **not specified**

## **ADS-C/AIREPs Regulated Met Data Provision (remote presentation)**

*Wednesday, 12 February 2020 14:20 (20 minutes)*

**Presenter:** WILLIARD, Alan (Collins Aerospace)

**Session Classification:** Session 3: Wind

Contribution ID: 14

Type: **not specified**

## US NWP Assimilation & Data Monitoring

*Wednesday, 12 February 2020 15:00 (20 minutes)*

**Presenter:** HILL, Chris (NCEP)

**Session Classification:** Session 3: Wind

Contribution ID: 15

Type: **not specified**

## Using ABO to improve forecasts

*Wednesday, 12 February 2020 15:50 (20 minutes)*

**Presenter:** SHAPLAND, James (Met Office)

**Session Classification:** Session 3: Wind



Contribution ID: 16

Type: **not specified**

## **Mode-S assimilation**

*Wednesday, 12 February 2020 16:10 (20 minutes)*

**Presenter:** ZHIHONG, Li (Met Office)

**Session Classification:** Session 3: Wind

Contribution ID: 17

Type: **not specified**

## Discussion

*Wednesday, 12 February 2020 16:30 (1 hour)*

**Session Classification:** Session 3: Wind

Contribution ID: **18**

Type: **not specified**

## **Use of WVSS & TAMDAR data**

*Thursday, 13 February 2020 09:00 (20 minutes)*

**Presenter:** MARSHALL, Curtis (NOAA)

**Session Classification:** Session 4: Humidity

Contribution ID: 19

Type: **not specified**

## **Experience of using humidity in LAM**

*Thursday, 13 February 2020 09:20 (20 minutes)*

**Presenter:** SZINTAI, Balazs (OMSZ)

**Session Classification:** Session 4: Humidity

Contribution ID: 20

Type: **not specified**

## **Monitoring and use of WVSS data for NWP**

*Thursday, 13 February 2020 09:40 (20 minutes)*

**Presenter:** CRESS, Alexander (DWD)

**Session Classification:** Session 4: Humidity

Contribution ID: 21

Type: **not specified**

## Discussion

*Thursday, 13 February 2020 10:00 (45 minutes)*

**Session Classification:** Session 4: Humidity

Contribution ID: 22

Type: **not specified**

## **Turbulence reporting (EDR, DEVG), incl. Turbulence Aware**

*Thursday, 13 February 2020 11:00 (20 minutes)*

**Presenter:** TAYLOR, Stewart (EUMETNET)

**Session Classification:** Session 5: Turbulence

Contribution ID: 23

Type: **not specified**

## **Long term trends in upper-level windshear and turbulence**

*Thursday, 13 February 2020 11:20 (20 minutes)*

**Presenter:** WILLIAMS, Paul (University of Reading)

**Session Classification:** Session 5: Turbulence



Contribution ID: 24

Type: **not specified**

## **The use of EDR to build and verify a global turbulence diagnostic**

*Thursday, 13 February 2020 11:40 (20 minutes)*

**Presenter:** JARON, Oliver (Météo-France)

**Session Classification:** Session 5: Turbulence

Contribution ID: 25

Type: **not specified**

## Discussion

*Thursday, 13 February 2020 12:20 (40 minutes)*

**Session Classification:** Session 5: Turbulence

Contribution ID: 26

Type: **not specified**

## **How will ABO change over the next 10 years?**

*Thursday, 13 February 2020 14:00 (20 minutes)*

**Presenter:** LOCKETT, Dean (WMO)

**Session Classification:** Session 6: Future

Contribution ID: 27

Type: **not specified**

## Summary of UAV Workshop UAVs

*Thursday, 13 February 2020 14:20 (20 minutes)*

**Presenter:** TAYLOR, Stewart (EUMETNET)

**Session Classification:** Session 6: Future

Contribution ID: 28

Type: **not specified**

## **User requirements for aircraft-based observations over the next 10 years**

*Thursday, 13 February 2020 14:40 (20 minutes)*

**Presenter:** PAULEY, Patricia (NRL)

**Session Classification:** Session 6: Future

Contribution ID: 29

Type: **not specified**

## IAGOS

*Thursday, 13 February 2020 15:00 (20 minutes)*

**Presenter:** Mr FIGUET, Bruno (Météo-France)

**Session Classification:** Session 6: Future

Contribution ID: **30**

Type: **not specified**

## **Discussion**

*Thursday, 13 February 2020 15:20 (40 minutes)*

**Session Classification:** Session 6: Future

Contribution ID: 31

Type: **not specified**

## **Summary of recommendations, outcomes and actions**

*Thursday, 13 February 2020 16:30 (1 hour)*

**Session Classification:** Session 7: Outcomes



Contribution ID: 32

Type: **not specified**

## Welcome

*Wednesday, 12 February 2020 09:00 (5 minutes)*

**Presenter:** BROWN, Andy (ECMWF)

**Session Classification:** Session 1: Introduction

Contribution ID: 33

Type: **not specified**

## **Revolutionizing turbulence mitigation**

*Thursday, 13 February 2020 12:00 (20 minutes)*

**Presenter:** FOX, Stuart (IATA)

**Session Classification:** Session 5: Turbulence