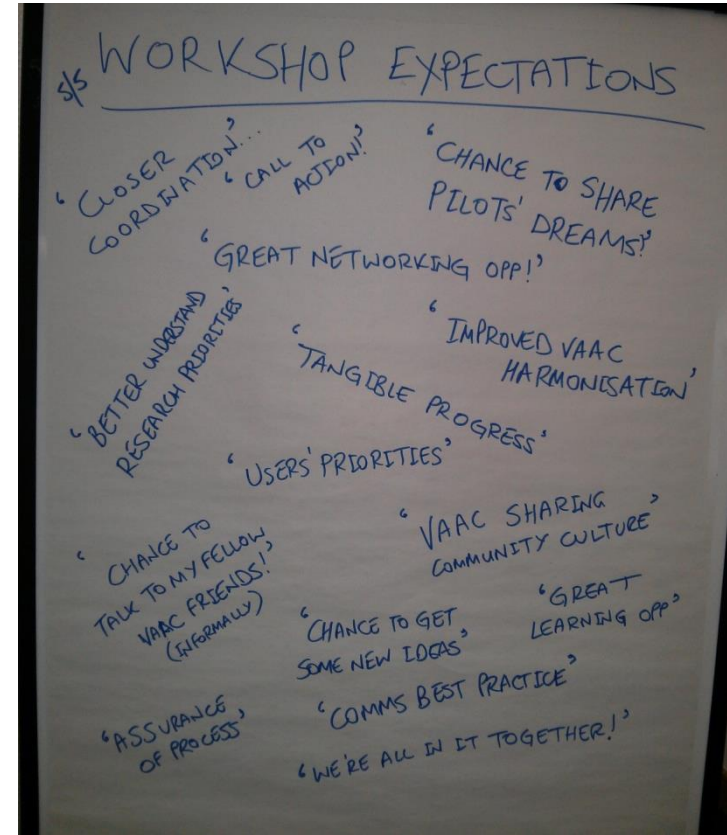


WMO VAAC Best Practice Workshop Outcomes, May 5-9 2015

Ian Lisk

WMO Commission for
Aeronautical Meteorology
vice-president





VAAC Best Practice is...

...The expert evaluation of the best available sources of meteorological and volcanological information i.e.

- Qualitative and quantitative satellite data
- Model output
- Ground and airborne based in-situ and remotely sensed observations
- Pilot reports

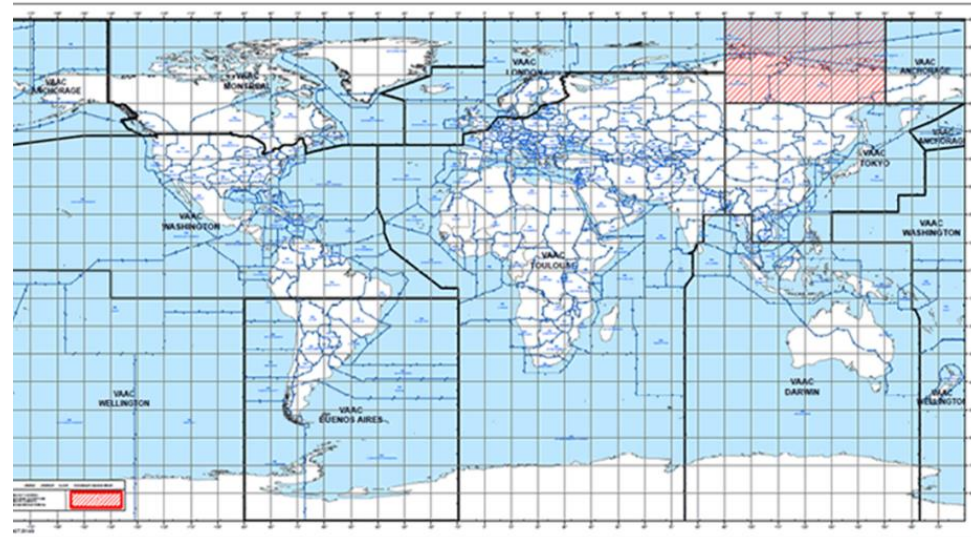
... using (where possible) **collaborative** approaches to derive **authoritative, high quality, evidence based** and **globally consistent** analysis and forecasts.



VAAC BP Workshop Outcomes (VWO)

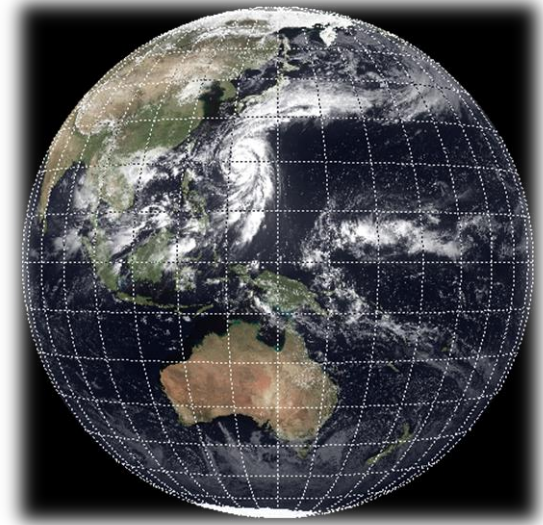
VWO01 VOLCANIC ASH AIREPS, LIDAR AND VOLCANO MONITORING INFORMATION AVAILABILITY AND DISSEMINATION PROCESSES NEED TO BE ENHANCED AND BETTER COORDINATED WITH ASSOCIATED **GUIDANCE UPDATED/DEVELOPED**. (IAVWOPSG REF 7/23, 8/3, 8/21, 8/22).
METP WG-MOG PAPER (APRIL 2016) LEAD: WMO.

VWO03 ALL VAACs TO WORK COLLABORATIVELY TOWARDS THE DEVELOPMENT (TO INCLUDE SEEKING AND SHARING OF USER FEEDBACK) OF COMMON & CONSISTENT VAG PRESENTATION AND PRODUCTION CONTENT (INCLUDING T+24 TRIAL).
(IAVWOPSG REF 8/18, 8/19)
MET-P WG-MOG PAPER (APRIL 2016) LEAD: VAAC LONDON.



Key Outcomes continued

VWO04 COORDINATED DEVELOPMENT OF MECHANISMS FOR IMPROVED PULL-THROUGH AND SHARING OF VOLCANIC ASH SCIENCE AND INFORMATION INTO OPERATIONS. (*IAVWOPSG REF 7/22, 8/7*). ***METP WG-MOG PAPER (APRIL 2016)*** LEAD: VAAC MONTREAL.



VWO06 VAAC 'INS AND OUTS' MODELLING TABLES TO BE REVIEWED, UPDATED AND SHARED EVERY 2-YEARS. ***MET-P WG-MOG PAPER (APRIL 2016)*** LEAD: VAAC LONDON.



Key Outcomes contd

VWO07 ALL VAACs IN COORDINATION WITH THE RELEVANT NWP PROVIDER(S), TO FURTHER INVESTIGATE AND REPORT ON NWP ERRORS/PERFORMANCE (TAKING INTO ACCOUNT REGION SPECIFIC ISSUES E.G. TROPICS) RELEVANT TO VOLCANIC ASH MODELLING. **METP WG-MOG PAPER (APRIL 2016)** LEAD: VAAC WASHINGTON



VWO08 ALL VAACs TO REVIEW AND SHARE THEIR PROCESSES, REQUIREMENTS AND SCIENCE FOR DEPICTING RE-SUSPENDED ASH ON VAA/VAG. **METP WG-MOG PAPER (APRIL 2016)**. LEAD: VAAC WELLINGTON

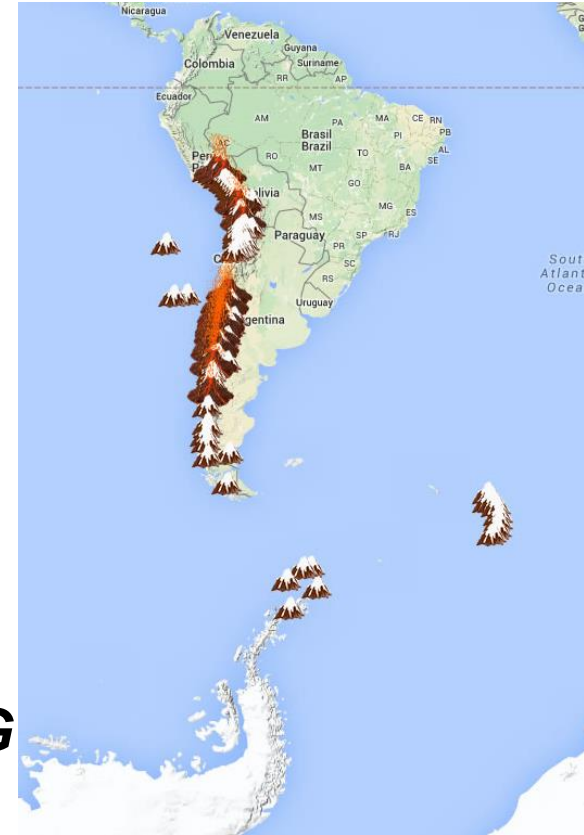
VWO09 AGREEMENT THAT FURTHER RESEARCH IS REQUIRED TO BETTER DEFINE POTENTIAL SO₂ SERVICE DEVELOPMENT REQUIREMENTS TO INFORM RESOURCE REQUIREMENTS AND PULL-THROUGH OF EXISTING RESEARCH-BASED SO₂ MONITORING AND PREDICTION CAPABILITIES INTO ANY NEW SERVICES TO AVIATION. (IAVWOPSG REF 7/34).



Key Outcomes contd

VWO10 VAACs TO COLLABORATE ON DEVELOPMENT OF A T+0 VOLCANIC ASH 'CONFIDENCE' GRAPHICAL PRODUCT PROPOSAL, BASED ON THE BEST PRACTICE 'EVIDENCE CHECKLIST' TO UNDERPIN A HIGH OR LOW CONFIDENCE ASSESSMENT. (*IAVWOPSG REF 7/19, 7/20, 8/19*) **METP WG-MISD PAPER (NOVEMBER 2015)** LEAD: VAAC DARWIN.

VWO11 VAACs TO COLLABORATE ON THE DEVELOPMENT OF A PROPOSAL FOR FUTURE 'SUPPLEMENTARY' VA CONTAMINATION LEVEL ADVISORY PRODUCTS BASED ON QUANTITATIVE ASH MASS COLUMN LOADING THRESHOLDS. (*IAVWOPSG REF 8/16*) - **IUGG/WMO VASAG PAPER (2016)** FOLLOWED BY PAPER TO METP **WG-MISD (2017)** LEAD: VAAC LONDON.



Future of VAAC BP Workshops

VWO14 VAAC BP
WORKSHOPS TO CONTINUE TO
BE HELD EVERY 12 MONTHS,
HOSTED BY A VAAC STATE
(PROPOSALS FOR BUENOS
AIRES IN APRIL 2016 AND
TOKYO IN 2017), IN CLOSE
COORDINATION WITH THE
METP VOLCANIC ASH WG-
MOG *LEAD: WMO.*

