



Welcome to IWW12

A lot of work goes on behind the scenes to coordinate the workshops

Like to say a big thank you to our hosts the University of Copenhagen

Before we hand over to our hosts.....





A quick look back to IWW11





A quick look back to IWW11

Whilst you were hard at work.....

And what I have been busy with since....



Thank you to Régis Borde for standing in as IWWG co-chair again during my absence.



IWW11 recommendations (1/3)

IWW11.1. All AMV producing centres are encouraged to investigate how to provide enhanced **situation-dependent error estimates** of wind and pressure with new derivation techniques. NWP centres are encouraged to work with producers on the evaluation.

IWW12 Session 8 and PD3

IWW11.2. A second AMV derivation **intercomparison project** should be carried out and the results presented at IWW12 in 2014. **IWW12 Session 3 and PD1**

IWW11.3. IWWG co-chairs to kick off an activity to pull together the latest research on **high resolution wind production and usage** and to encourage increased focus on this theme at IWW12. This will involve input from NWP centres (to investigate need for this data in high resolution models and how best to assimilate) and data producers (how best to adapt the derivation). **IWW12 Session 7 and PD2**

IWW11.4. Satellite providers should investigate the potential of global **AMVs from tandem satellites**: dual Metop, MODIS/VIIRS and the future Sentinel 3A/B. **IWW12: talks by Olivier Hautecoeur, Jan-Peter Muller**

IWW11.5. The Canadian Space Agency is encouraged to realise the **PCW mission**, which will deliver unprecedented continuous images in the Arctic region. **Raised at CGMS-40**



IWW11 recommendations (2/3)

IWW11.6. Recommendation to the Chinese State Oceanic Administration and partner agencies to make global **HY-2A scatterometer data** available to the international community and investigate the possibility of real-time data dissemination. **Raised at CGMS-40**

IWW11.7. Recommendation to the US Navy to continue the processing of Level 2 **Windsat data** for use by NWP centres. **Data flow continues, but timeliness is a problem**

IWW11.8. NWP centres to provide information on radiosonde wind observation errors and, where relevant, typical observation errors for situation-dependent AMV error schemes on the **NWP SAF AMV usage pages**. **Done**

IWW11.9. The **NWP SAF analysis reports** should be made available three months before the corresponding International Winds Workshop. **Done – IWW12 poster by James Cotton**

IWW11.10. All AMV producing centres are encouraged to evaluate **nested-tracking** and report their results at IWW12. **IWW12 talk by Manuel Carranza**

IWW11.11. All AMV producing centres are encouraged to further **evaluate height assignment techniques** including investigation of stereo approaches and use of other datasets (A-train, Concorde-IASI, MISR) for intercomparisons. **IWW12 Session 8 and PD3**



IWW11 recommendations (3/3)

IWW11.12. Satellite operators are recommended to maintain or include **water vapour imaging capabilities** on future polar orbiting satellites. **Raised at CGMS-40**

IWW11.13. JPL are recommended to provide **MISR winds** with improved timeliness (<5 hr). NWP centres are encouraged to evaluate MISR winds and to consider the reprocessed data for inclusion in reanalysis projects such as the ECMWF ERA-CLIM program. **IWW12 talks/posters by Kevin Mueller, Nancy Baker, Alexander Cress**

IWW11.14. Satellite producers should continue research in the use of **hyperspectral** data for AMV retrievals. **IWW12 poster by Dave Santek**

IWW11.15. All AMV producing centres are encouraged to make use of **model best-fit height comparisons** for assessment of operational changes. Ideally a standardised process for producing model best-fit pressures should be agreed. **Underway**

IWW11.16. The **NWC SAF** are encouraged to propose a mechanism for providing wider support for their stand-alone AMV software package including how suggestions from external users are integrated into the package and flexibility to handle satellites other than Meteosat. **Addressed via CGMS-40 EUMETSAT-WP-11.**

IWW11.17. All data producers are encouraged to provide any data for NWP centres in **BUFR** format. **Raised at CGMS-40**