



Nowcasting SAF users' Workshop 2020

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Madrid, AEMET HQ

10-12 March 2020

AGENDA

Tuesday 10 March

08:30 - 09:15 Registration

09:15 - 09:25 Welcome addresses, José Antonio Fernández Monistrol, AEMET director

09:25 - 09:35 Workshop Plan and Objectives, P. Rípodas, AEMET

Session I: EUMETSAT satellite data to enhance service for users

09:35 - 09:55 Utilization of satellite data to enhance services for users – World Weather Research Programme perspective, Estelle de Coning, WMO

09:55 - 10:15 Stephan Bojinski, EUMETSAT, remote presentation

10:15-10:35 EUMETSAT SAF Network, L. Schüller, EUMETSAT

Coffee break 10:35 – 11:05

Session I: EUMETSAT satellite data to enhance service for users (cont.)

11:05 - 11:20 NWC SAF overview, P. Rípodas, NWC SAF, AEMET

11:20 - 11:35 NWC SAF GEO products. Outlook into MTG era. Xavier Calbet, NWC SAF, AEMET

11:35 - 12:05 Meteosat Third Generation Lightning Imager: instrument, data processing, and products, Bartolomeo Viticchie, EUMETSAT, remote presentation

12:05 - 12:25 MTG LI NWCSAF Products, Andrei Diamandi, NWC SAF, NMA, remote presentation

12:25 Group photo at the entrance

Lunch break 12:30 – 14:00

Session II: NWCSAF Cloud products

14:00 - 14:20 Cloud mask and type improvements in the frame of the CDOP4, Gaëlle Kerdraon, NWC SAF, Météo France

14:20 - 14:40 Suspended dust flag produced by SAFNWC-GEO software, Sonia Péré, NWC SAF, MétéoFrance

14:40 - 15:00 Cloud thermodynamic phase retrieval from Meteosat Third Generation infrared channels (Lalande, NWC SAF, MétéoFrance)

15:00 - 15:15 Assimilation of NWC SAF GEO Cloud products in NWP model in AEMET (María Díez, AEMET)

Session III: Poster session.

15:15 - 15:30 Short presentation of posters

Coffee break 15:30 – 16:00

Session II: NWCSAF Cloud products (cont.)

16:00 - 16:15 The impact of Asian monsoon convection as seen from combining the SAFNWC cloud products and Lagrangian calculation using ERA5 reanalysis, Bernard Legras, Météo France, remote presentation

16:15 - 16:30 Geographic Information System for the analysis and forecast of spatio-temporal configurations of cloud occurrences, Turpin, Reuniwatt SAS

Session IV: NWCSAF Precipitation and Convection products

16:30 - 16:50 NWCSAF Convection Products, J.-M. Moisselin et al., NWC SAF, Météo-France

16:50 - 17:10 Satellite derived precipitating products based on a Principal Component Analysis, J.A. Lahuerta, NWC SAF, AEMET

17:10 - 17:25 NWCSAF for nowcasting in the GCRF African SWIFT project, Alex Roberts, University of Leeds

17:25 - 17:40 Evaluation of CRR and RDT performance in tropical Africa, Peter Hill et al., University of Reading

Social event 18:00 bus to Caixa Forum guide tour + cocktail

Wednesday 11 March

Session IV: NWCSAF Precipitation and Convection products (cont.)

09:00 - 09:15 Development of new products at ACMAD: Nowcasting vigilance of precipitation over Africa, Dione, ACMAD

09:15 - 09:30 Validation of the NWC SAF CRR product over the Greek area using rain gauge data ground truth, A.Karagiannidis et al., National Observatory of Athens

Session V: NWCSAF Wind, Extrapolated Imagery and Conceptual Model products

09:30 - 09:50 NWCSAF/High Resolution Winds AMV software status in 2020 and plans for CDOP-4, J. García Pereda, NWC SAF, AEMET

09:50 - 10:20 The Extrapolated Imagery (EXIM) product, Alexander Jann, NWC SAF, ZAMG

10:20 - 10:35 ASII-GW Automatic Satellite Image Interpretation – Gravity Waves, Alexander Jann, NWC SAF, ZAMG

Coffee break 10:35 – 11:05

Session V: NWCSAF Wind, Extrapolated Imagery and Conceptual Model products (cont.)

11:05 - 11:35 ASII-TF, ASII-ICE, Andreas Wirth, NWC SAF, ZAMG

Session VI: NWCSAF Satellite Humidity and Instability products

11:35 - 11:50 Status of regional IASI L2 products at EUMETSAT and application studies in view of MTG-IRS, T. August, EUMETSAT

11:50 - 12:10 Preparation of MTG era: developing of imager and sounder nowcasting products and services for pre-convection phase, Miguel A. Martínez, NWC SAF, AEMET

12:10 - 12:25 Nowcasting SAF sounding Satellite Humidity And Instability indices sSHAI nonlinear retrieval of atmospheric vertical profiles from MTG-IRS data, N. Peinado-Galán, NWC SAF, AEMET

Lunch break 12:25 – 14:00

Session VII: Visualization and use of NWCSAF products with ADAGUC

14:00 - 14:15 Advanced visualization of the NWCSAF products through ADAGUC, J.L- Lliso, M. Plieger, NWC SAF, AEMET

14:15 - 14:30 Using ADAGUC for NWCSAF products visualization at NMA, ADAGUC, O. Nicola et al., presented by A. Diamandi, NWC SAF, NMA, remote presentation

14:30 - 14:45 AEMET NWCSAF Products Testbed for Aviation Forecasters, Lliso, et al., NWC SAF, AEMET

Session VIII: NWCSAF PPS Polar products

14:45 - 15:00 Science news of PPS-v2018 and in CDOP-4, N. Håkansson, NWC SAF, SMHI

15:00 - 15:15 Technical news of PPS-v2018 and in CDOP-4, S. Hörnquist, Hörnquist, NWC SAF, SMHI

15:15 - 15:30 Microwave Processing Package for EPS-SG-B satellite (PPS-MW), A. Dybbroe, NWC SAF, SMHI

15:30 - 15:45 Pytroll supporting the NWCSAF, A. Dybbroe, NWC SAF, SMHI

Coffee break 15:45 – 16:15

Session IX: Working Groups

16:15 - 16:30 Organization of working groups, topics and rooms

16:30 - 18:00 Working Groups

Adjourn 18:00

Thursday day 12 March

Session X: Application of NWCSAF products

09:00 - 09:30 Applications of the NWCSAF Products at the Hungarian Meteorological Service, M. Putsay, OMSZ

09:30 - 09:50 Operational usage of NWC SAF Packages at IPMA and future requirements, C. Barroso, IPMA

09:50 - 10:05 Use of NWC SAF products at Hong Kong Observatory (TBC, presented by AEMET on behalf of HKO)

10:05 - 10:20 Exploiting of NWCGEO CT and EXIM packages for irradiation estimation: analysis and validation, E. Collino et al., RSE SpA, Italy, [remote presentation](#)

10:20 - 10:35 EO-ALERT: Very-Low Latencies for Convective Storm Nowcasting Based on a Next Generation Satellite Processing Chain, Bravo et al., presented by R. Hinz, DEIMOS

Coffee break 10:35 – 11:05

Session XI: Outcome of NWCSAF survey and Working Groups session

11:05 - 11:25 NWCSAF Services and Operations, V. Bartolomé, NWC SAF, AEMET

11:25 - 11:45 Outcome of 2019 NWC SAF users Survey, V. Bartolomé, NWC SAF, AEMET

11:45 - 12:50 Outcome of Working Groups Session. Open discussion

12:50 Closeout of the Workshop, P. Rípodas, NWC SAF, AEMET

End 13:00

Posters

1. **Comparison of Nowcasting SAF precipitation products with OPERA radar data**, M.A. Revuelta et al., NWC SAF AEMET
2. **PPS version 2018 and future plans**, NWC SAF SMHI team
3. **NWC/GEO application for Georgia**, Nato Kutaladze, LEPL National Environmental Agency, Georgia
4. **A top/bottom atmosphere convection monitoring and forecast system over ocean**, C. Messenger, EXWEX
5. **Use of SAF Nowcasting products at the Royal Meteorological Institute of Belgium**, N. Clerbaux, Royal Meteorological Institute of Belgium
6. **Nowcasting Products Using Satellite and Global NWP Data**, M. Sateesh et al., NCMRWF, Noida(UP), India