

CONVECTION WORKING GROUP & MTG 3T Forum

Workshop Agenda and Presentations

Monday 8 April

10:00-13:00	Registration open
12:00-13:00	Lunch
13:00-14:30	Opening of MTG 3T Forum <i>Chair: Ivan Smiljanic</i> Ivan Smiljanic : MTG Forum overview Djordje Gencic : FCI Dust Detection Maria Putsay : Cloud type RGB Discussion
14:30-15:00	Break
15:00-16:30	HansPeter Roesli : Case studies exploring low-level moisture detection with FCI Jean-Baptiste Hernandez : MTG training to trainers plan in Meteo-France Dominik Rukavina : Training activities related to MTG and use of data Discussion

Tuesday 9 April

08:00-09:00	Registration open
09:00-10:45	<p>Opening of the Joint CWG – 3T <i>Chair: Zsofia Kocsis</i></p> <p>Mark Rieder, Director-General, CHMI</p> <p>Joachim Saalmüller, Head of User Support and Climate Services, EUMETSAT</p> <p>Martin Setvak, CHMI</p> <p>New Imagers</p> <p>Alessandro Burini: FCI Commissioning Update Martin Setvak: FCI observations of Sahel storms</p> <p>Discussion</p>
10:45-11:15	Break
11:15-13:00	<p>New Imagers</p> <p><i>Chair: Martin Setvak</i></p> <p>Jochen Kerkmann: Convective Storms seen in the new NIR2.3 um Channel</p> <p>Jan El Kassar: MTG-FCI Near-Infrared Total Column Water Vapour for Improved Characterization of Pre-convective Environments</p> <p>John Mecikalski: An overview of an FCI-focused Convective Updraft Detection algorithm</p> <p>Discussion</p>
13:00-14:30	Lunch
14:30-15:45	<p>New Imagers</p> <p><i>Chair: Joachim Saalmüller</i></p> <p>Pilar Ripodas: NWC SAF products Ronan Houel: A new object based approach for the NWC SAF CI product</p>

	validation and application to first MTG data Discussion
15:45-16:15	Break
16:15-17:30	New Imagers <i>Chair: Vesa Nietosvaara</i> Michaël Claudon: Benefits of upcoming MTG data to NWC SAF RDT-CW product Dan Lindsey: NOAA Satellite Update - GOES-R and GeoXO Discussion

Wednesday 10 April

09:00-10:45	New Imagers <i>Chair: Dan Lindsey</i> John Mecikalski: Above Anvil Cirrus Plume microphysical evolution using GOES-16 channel data Jochen Kerkmann: Cloud phase detection in FCI IR channels Tomáš Půčik: Some findings of the ESSL-EUMETSAT workshops and Testbeds Olexii Kryvobok: System for operational detection of severe weather using satellite and lightning data Discussion
10:45-11:15	Break
11:15-13:00	Lightning <i>Chair: John Mecikalski</i> Bartolomeo Viticchie: Current status of LI Level 1b and Level 2 performances

	Natasa Strelec Mahovic : Lightning Imager - products for forecasters – longer discussion Discussion
13:00-14:30	Lunch break
14:30-15:45	Imagers <i>Chair: Agostino Manzato</i> Anežka Doležalová : Automatic detection of overshooting tops and their properties using Neural Networks Ivan Smiljanic : Validation of new FCI RGB composites – longer discussion Discussion
15:45-16:15	Break
16:15-17:30	Martin Setvak : Storm tops - color versus greyscale enhancements CWG Chairs : CWG Best Practices Document Discussion
18:00-	Social Event

Thursday 11 April

09:00-10:45	Research to Operations <i>Chair: Tomáš Púčik</i> Pao Wang : Model interpretation of satellite-observed phenomena related to deep convective storms Blanka Piskala Gvoždíková : Stormchasing with Landsat and the future of MTG Tino Manzato : Are the relationships between environmental parameters and storm observations climate-change invariant? Discussion
10:45-11:15	Break
11:15-13:00	Multisensor and integrated approaches <i>Chair: Ralph Petersen</i> Fabian Senf : Joint typing and tracking of marine clouds in satellite observations and convection-permitting simulations Danyu Qin : Beijing 7.30 – 8.01 Extreme Precipitation and Forecasting: A

	<p>Bird View from FengYun Satellites</p> <p>Ioannis Matsangouras: Remote Sensing: The evolution of Daniel Storm Byung Chan Oh: Development of convection cloud prediction technology that cause extreme rain on satellite-based stationary front</p> <p>Discussion</p>
13:00-14:00	Lunch
14:00-15:45	<p><i>Chair: Natasa Strelec Mahovic</i></p> <p>Jan Kanak: Status of development the GEOProc/MTGProc Training Environment at European Weather Cloud - Application demonstration Gerrit Holl: A joint effort for a cloud-top features database from FCI – longer discussion</p> <p>Discussion</p>
15:45-16:15	Break
16:15-17:30	<p>Training</p> <p><i>Chair: Xavier Calbet</i></p> <p>Vesa Nietosvaara: Experience of the use of EUMETView and NWC-SAF Viewer for hands-on training Humberto Barbosa: IDEaL-ESDA: International Digital Education and Learning - Education platform for Satellite Monika Pajek: Preliminary remarks and analysis on the operational processing of MTG data at the Satellite Research Department/IMGW-PIB</p> <p>Discussion</p>

Friday 12 April

09:00-10:45	<p>Pavel Hampel: Using ESA SNAP software for MTG data visualisation - Application demo</p> <p>Hyperspectral</p> <p><i>Chair: Gerrit Holl</i></p> <p>Xavier Calbet: Complementing satellite derived stability indices with ground station data</p> <p>Ralph Petersen: Validation and Error Reduction in current EUMETSAT Temperature and Moisture Retrievals</p> <p>Discussion</p>
10:45-11:15	Break
11:15-12:30	<p>CWG administration</p> <p>Closing</p>
12:30-13:30	Lunch