

# CONVECTION WORKING GROUP & MTG 3T Forum

## Workshop Draft Agenda

### Monday 8 April

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

### Tuesday 9 April

08:00-09:00	Registration open
09:00-10:45	<b>Opening of the Joint CWG – 3T</b> <i>Chair: Zsofia Kocsis</i>  <b>Mark Rieder,</b> Director-General, CHMI  <b>Joachim Saalmüller,</b> Head of User Support and Climate Services, EUMETSAT  <b>Martin Setvak,</b> CHMI

	<p><b>New Imagers</b></p> <p>Alessandro <b>Burini</b>: FCI Commissioning Update  Martin <b>Setvak</b>: FCI observations of Sahel storms</p> <p>Discussion</p>
10:45-11:15	Break
11:15-13:00	<p><b>New Imagers</b></p> <p><i>Chair: Martin Setvak</i></p> <p>Jochen <b>Kerkmann</b>: Case study hailstorm Texas, May 2020  Jan <b>El Kassar</b>: MTG-FCI Near-Infrared Total Column Water Vapour for Improved Characterization of Pre-convective Environments  John <b>Mecikalski</b>: An overview of an FCI-focused Convective Updraft Detection algorithm</p> <p>Discussion</p>
13:00-14:30	Lunch
14:30-15:45	<p><b>New Imagers</b></p> <p><i>Chair: Joachim Saalmüller</i></p> <p>Pilar <b>Ripodas</b>: NWC SAF products  Ronan <b>Houel</b>: A new object based approach for the NWC SAF CI product validation and application to first MTG data</p> <p>Discussion</p>
15:45-16:15	Break
16:15-17:30	<p><b>New Imagers</b></p> <p><i>Chair: Vesa Nietosvaara</i></p> <p>Michaël <b>Claudon</b>: Benefits of upcoming MTG data to NWC SAF RDT-CW product  Dan <b>Lindsey</b>: NOAA Satellite Update - GOES-R and GeoXO</p> <p>Discussion</p>

## Wednesday 10 April

09:00-10:45	<p><b>New Imagers</b></p> <p><i>Chair: Dan Lindsey</i></p> <p>John <b>Mecikalski</b>: Above Anvil Cirrus Plume microphysical evolution using GOES-16 channel data</p> <p>Jochen <b>Kerkmann</b>: Cloud phase detection in FCI IR channels</p> <p>Tomáš <b>Pučík</b>: Some findings of the ESSL-EUMETSAT workshops and Testbeds</p> <p>Olexii <b>Kryvobok</b>: System for operational detection of severe weather using satellite and lightning data</p> <p>Discussion</p>
10:45-11:15	Break
11:15-13:00	<p><b>Lightning</b></p> <p><i>Chair: John Mecikalski</i></p> <p>Bartolomeo <b>Viticchie</b>: Current status of LI Level 1b and Level 2 performances</p> <p>Natasa <b>Strelec Mahovic</b>: Lightning Imager - products for forecasters – <i>longer discussion</i></p> <p>Discussion</p>
13:00-14:30	Lunch break
14:30-15:45	<p><b>Imagers</b></p> <p><i>Chair: Agostino Manzato</i></p> <p>Anežka <b>Doležalová</b>: Automatic detection of overshooting tops and their properties using Neural Networks</p> <p>Ivan <b>Smiljanic</b>: Validation of new FCI RGB composites – longer discussion</p> <p>Discussion</p>
15:45-16:15	<p>Martin <b>Setvak</b>: Storm tops - color versus greyscale enhancements</p> <p><b>CWG Chairs</b>: <a href="#">CWG Best Practices Document</a></p> <p>Discussion</p>
18:00-	Social Event

## Thursday 11 April

09:00-10:45	<p><b>Research to Operations</b> <i>Chair: Tomáš Púčik</i></p> <p>Pao <b>Wang</b>: Model interpretation of satellite-observed phenomena related to deep convective storms Blanka Piskala <b>Gvoždíková</b>: Stormchasing with Landsat and the future of MTG Tino <b>Manzato</b>: Are the relationships between environmental parameters and storm observations climate-change invariant?</p> <p>Discussion</p>
10:45-11:15	Break
11:15-13:00	<p><b>Multisensor and integrated approaches</b> <i>Chair: Ralph Petersen</i></p> <p>Fabian <b>Senf</b>: Joint typing and tracking of marine clouds in satellite observations and convection-permitting simulations Danyu <b>Qin</b>: Beijing 7.30 – 8.01 Extreme Precipitation and Forecasting: A Bird View from FengYun Satellites Ioannis <b>Matsangouras</b>: Remote Sensing: The evolution of Daniel Storm Byung Chan <b>Oh</b>: 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 <b>Kanak</b>: Status of development the GEOProc/MTGProc Training Environment at European Weather Cloud - Application demonstration Gerrit <b>Holl</b>: 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><b>Training</b></p> <p><i>Chair: Xavier Calbet</i></p> <p>Vesa <b>Nietosvaara</b>: Experience of the use of EUMETView and NWC-SAF Viewer for hands-on training</p> <p>Humberto <b>Barbosa</b>: IDEaL-ESDA: International Digital Education and Learning - Education platform for Satellite</p> <p>Monika <b>Pajek</b>: 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 <b>Hampl</b>: Using ESA SNAP software for MTG data visualisation - Application demo</p> <p><b>Hyperspectral</b></p> <p><i>Chair: Gerrit Holl</i></p> <p>Xavier <b>Calbet</b>: Complementing satellite derived stability indices with ground station data</p> <p>Ralph <b>Petersen</b>: 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