Agenda of the Convection Working Group & MTG 3T Forum

Monday 19 October

14:30-15:45	**Opening of 3T** *Ivan Smiljanic*: Review of the 3T *Roxane Desire*: MTG Products: toward a Best Practices Guide Discussion
15:45-16:15	Coffee break
16:15-17:30	*Ivan Smiljanic*: RGB workshop review and way forward *Pilar Ripodas*: NWCSAF products in the EWC Discussion

Tuesday 20 October

09:00-10:45	**Opening of the Joint CWG – 3T** *Andrea Meraner*: MTG FCI and LI: current status and open points on instrument data processing and quality *Stephan Stapelberg*: IRS instrument status and current performance **Pre-Convection and Convective Initiation** *Jan El Kassar*: Current Status of Ongoing Development of the Algorithm for the Multi-mission Optical Imager Water Vapour Product (MOWa) *Kai Uwe Richter*: SatNow – Development of a satellite-based nowcasting technique for convective initiation Discussion
10:45-11:15	Coffee break
11:15-13:00	*Ronan Houel*: NWCSAF CI product: Changes to the product output format for the upcoming v2027 release and recent validations Storm top features *Anežka Doležalová*: Extension of Overshooting Top Detection from HRV to IR Channels *Ivan Smiljanic*: New features seen in Meteosat imagery (Longer discussion) Discussion

13:00-14:30	Lunch break
14:30-15:45	**Lightning Instrument** *Tomas Pucik*: Opportunities and challenges of using the LI data for nowcasting severe convective storms *Jean-Baptiste*: Hernandez: Unlocking the Potential of MTG lightning Imager Data: Evaluation of New Operational Products Discussion
15:45-16:15	Coffee break
16:15-17:30	*Oleksii Kryvobok*: Validation of MTG Lightning Imager (LI) Data Against Ground-Based Detection Networks in Eastern Europe (2024–2026) *Raluca-Elena Gabrian*: MTG Lightning Imager NWC SAF Products: overview, algorithm and its applications Discussion **Best (current) Practices and glossary**

Wednesday 21 October

09:00-10:45	**Storm Dynamics** *Pao Wang*: Some new thoughts on storm physics based on recent satellite data *Ibrahim Al Abdulsalam*: Exploring Middle East Weather and Storms with FCI and LI *Blanka Piskala*: Combined EarthCARE–Geostationary Lightning Observations of Convective Storm Structure and Electrification *John Mecikalski*: Relationships between cloud base and derived in-cloud updrafts for developing convective clouds Discussion
10:45-11:15	Coffee break
11:15-13:00	**Rapid Scanning Service – RSS** *Tobias Bölle*: Deep-convective updraught estimation in rapid scan satellite imagery *Natasa Strelec Mahovic*: FCI RSS data - what benefits do we expect? (longer discussion) Discussion

13:00-14:30	Lunch break
14:30-15:45	**Nowcasting and forecasting** *Alexander Halbig*: AI-based Turbulence nowcasting using MTG Data *Agostino Manzato: Synoptic-scale configurations associated with two extreme hail events at the same location (NE Italy)* Discussion
15:45-16:15	Coffee break
16:15-17:30	*Vesa Nietosvaara*: EUMETSAT MTG training interventions in Africa *Humberto Barbosa*: The influence of warm and cold core eddy processes on cyclone activity Best (current) Practices and glossary Discussion
	Social Event sponsored by AEMET

Thursday 22 October

09:00-10:45	**Data preparation and tools** *Jan Kanak*: Tools for storm monitoring in Slovakia - transition from MSG to MTG – application demo *Roope Tervo*: About EUMETSAT data curation activities for nowcasting *Gerrit Holl*: Overshooting top labelling with EUMETSATs collaborative platform Discussion
10:45-11:15	Coffee break

11:15-13:00	*Irene Bueno Redogon*: NWCSAF survey results **Hyperspectral** *Stephan Stapelberg*: EUMETSATs Hyperspectral IR retrievals for Nowcasting *Xavier Calbet*: Recent results on the MTG IRS sounder Satellite Humidity and Instability prototype product Discussion
13:00-14:30	Lunch break
14:30-15:45	*Madalina Ungur*: Convection Working Group - Looking back and looking ahead
15:45-16:15	Coffee break
16:15-17:30	*Madalina Ungur* (cont.): Convection Working Group Discussion Best (Current) Practices and glossary Discussion

Friday 23 October

09:00-10:45	**Synergy** *Andrea Meraner*: Deep Learning-Based Radar Reflectivity Estimation from MTG-FCI and LI Observations *Jean-Marc MOISSELIN*: NWCSAF RDT-CW product: toward a MTG Day-2 approach for the future version v2027 *Miguel- Angel Martinez*: Synergistic use of MTG-S/IRS and MTG-I/FCI for Nowcasting: early experiences and IRS NWC SAF products in the near-full MTG Era (Longer discussion) Discussion
10:45-11:15	Coffee break
11:15-13:00	CWG administration Closing