

NWC SAF MTG-I Lightning Imager Prototype Products Workshop

On **15 October 2026**, the **First Workshop on NWC SAF MTG-I Lightning Imager Prototype Products** will take place **online**. This event will introduce the upcoming NWC SAF GEO-LI software package, planned for release in 2027, and will provide an overview of the new generation of products based on data from the MTG Lightning Imager. The workshop will combine technical presentations with practical examples, offering participants useful guidance on how to interpret and exploit LI-based products and their use in combination with other satellite products available in the NWC SAF EWC Viewer based on ADAGUC.

Participation is open to everyone. To receive the meeting link, register for the workshop:

<https://forms.gle/EgkDU8PA8GoRf2TY6>

AGENDA (Thursday, 15 October 2026 from 09:00 to 10:00 UTC)

Title presentation: A Short Introduction to the NWC SAF GEO-LI Software Package

Lecturer: NWC SAF Project Manager Pilar Ripodas (NWC SAF/AEMET)

Time: 09:00 - 09:05 UTC

Title presentation: NWC SAF MTG-I1 Lightning Imager Products prototypes: overview, algorithms and their applications

Lecturer: Raluca Gabrian (NWC SAF/NMA RO)

Time: 09:05 - 09:35 UTC

Title presentation: NWC SAF LI prototypes in the European Weather Cloud (EWC)

Lecturer: Adelina Mihai (NWC SAF/NMA RO)

Time: 09:35 - 09:45 UTC

Q&A: 09:45 - 10:00 UTC

In December 2022, the first satellite of the Meteosat Third Generation Imager mission, MTG-I1, was successfully launched, opening a new chapter in European geostationary satellite observations. On board MTG-I1 are two innovative instruments: the Flexible Combined Imager (FCI) and the Lightning Imager (LI). The Lightning Imager, the first instrument of its kind on a European satellite, declared operational on October 31, 2024, provides continuous observations of lightning activity over Europe, Africa, the Middle East, and parts of South America. By detecting lightning from space, LI offers valuable new capabilities for monitoring convective storms, from early signs of atmospheric instability to the development of intense lightning activity. These observations provide important support for nowcasting, severe weather monitoring, and very short-range forecasting.

The Nowcasting and Very Short-Range Forecasting Satellite Application Facility (NWC SAF), one of EUMETSAT's Centres of Excellence within the SAF Network, provides users with software for generating operational nowcasting and very short-range forecasting products derived from satellite observations.