



# MOXXI-WMO 2017 Geneve, 4-5 December 2017

# The H SAF project on the CDOP 3: Strategy and products for the next years

Flavio Gattari

Telespazio

**H-SAF Project Management** 





Satellite Application Facility in Support to Operational Hydrology and Water Management

- to provide satellite-derived products from existing and future satellites with sufficient time and space resolution to satisfy the needs of operational hydrology. Identified products:
  - precipitation (liquid, solid, rate, accumulated);
  - soil moisture (at large-scale, at local-scale, at surface in the roots region);
  - snow parameters (detection, cover, melting conditions, water equivalent);
- to perform continuous quality assessment and independent validation of the usefulness of the products for facing floods, landslides, avalanches, and managing water resources

**Civil Protection**, **Risk** Management, **Hydrological** applications, Nowcasting, Hydrology and water management, Climate,

**NWP** 

Hydrology and Water Management

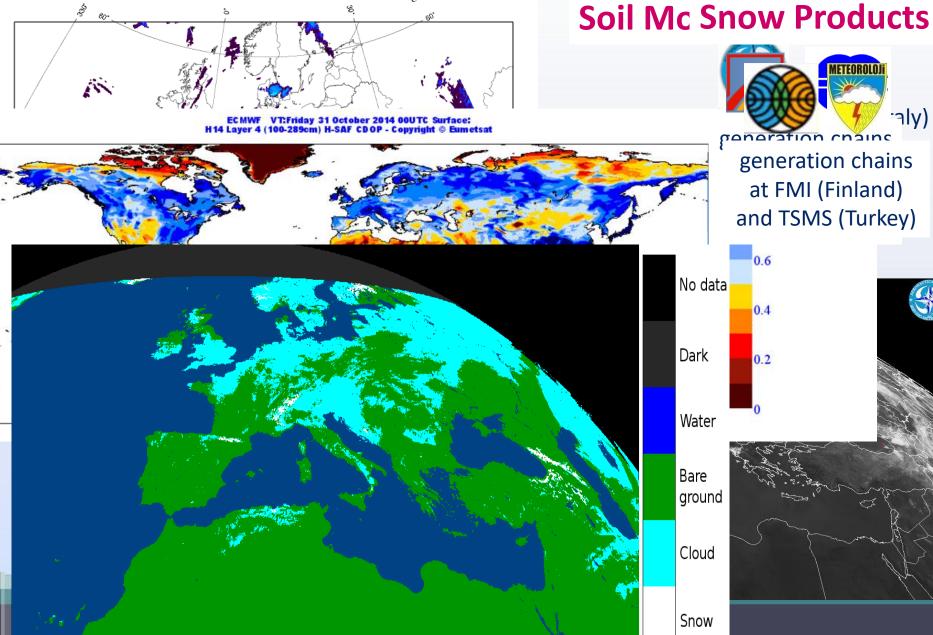


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## **H-SAF Operational Products**

EUMETSAT H-SAF PR-OBS-3 Instantaneous Rain Rate retrieved from IR-MW blending data





## Strategy, improvements and future challenges

### **Precipitation**

**Enlargement to Full Disc** 

#### **Higher temporal sampling**

Full exploitation of all overpasses of present and future satellites, including GPM

#### **Transition to MTG**

From FCI, LI

#### **Transition to EPS-SG**

From MWS, MWI

#### **New PMW based Products**

Soil Moisture

**Transition to EPS-SG** From SCA

**Higher resolution** 

#### **Snow** Transition to MSG

From FCI

#### **Transition to EPS-SG**

From MetImage

**Enlargement to Northern Hemisphere** 

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# Thank you for your attention!

Web: hsaf.meteoam.it

Contacts: hsafcdop.meteoam.it

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