



MOXXI-WMO 2017 Geneve, 4-5 December 2017

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

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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

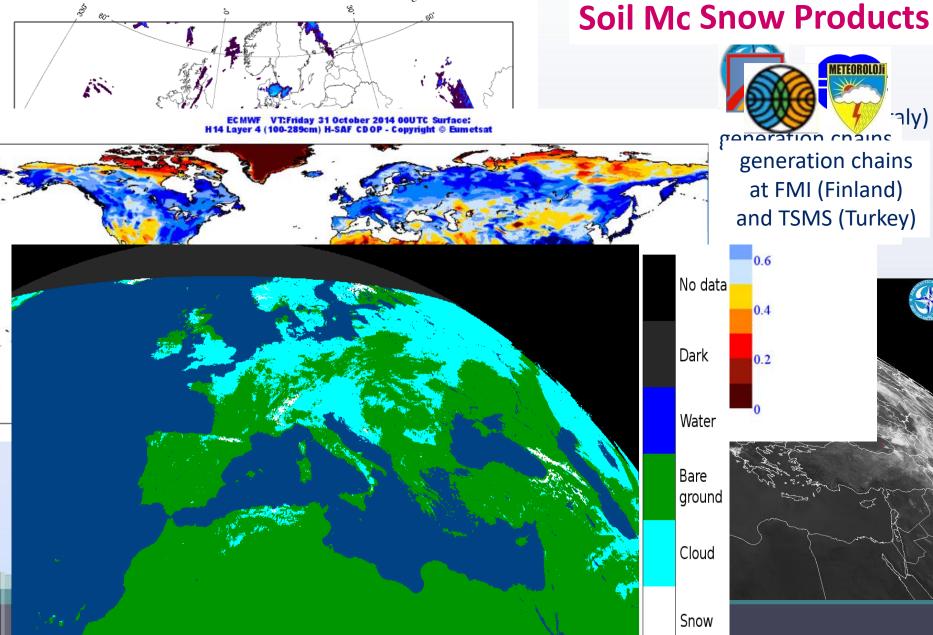


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H-SAF Operational Products

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!

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