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The precipitation products chain for the EUMETSAT Hydrological Satellite Application Facility.

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The first aim of H-SAF system is to provide a service to hydrological community, producing rain rate from satellite observations with the goal of monitoring basin status.

A lot of activities have been running to reach the final target: development of algorithms, results validation, implementation of operative procedure to supply the service and to monitor the service performances. The paper shows the architecture status of the precipitation cluster and stress the operative components.

Several precipitation products with different time and spatial resolution are developed, the H-SAF project manages MW and IR data, both received from direct readout and via DVB systems. Particular attention has been dedicated to the implementation of procedure to check and recovery the operative service. The auxiliary data as rain gauge observation to monitoring the quality status of final product has been used.

The efforts to match all information received are presented and the production chain components of precipitation steps are showed.