

**SSEC/CIMSS
Seminar**

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**The symbiosis between
SEVIRI based NWC-SAF
products and weather radar
based systems**

Satellite images provide key information for the now-casting systems. The next step in this approach is satellite-based rain and cloud detection algorithms. The EUMETSAT's Now Casting Satellite Application Facility (NWC-SAF) provides these tools to the national weather services forecasters and decision makers in Europe and Africa.

Ground-based weather radar quantitative precipitation estimates (QPE) are one of the usual tools to monitor rainfall intensity. Atmospheric conditions affect radar data quality, originating spurious radar echoes. The NWC-SAF cloud type and precipitation clouds products were used to improve (clean) weather radar data in Spain and Denmark. This platform combination provides a high quality rain detection product. These products were also used to measure the European radar network (OPERA) quality.

These experiences together provide a low cost alternative for upgrading the weather radar networks which could be easily implemented in the US platform.

Wednesday, 30 September 2009

11:00 a.m.

Room AOSS 351