

## Scatterometer Wind Services in Europe

[Ad.Stoffelen@knmi.nl](mailto:Ad.Stoffelen@knmi.nl), Maria Belmonte, Anton Verhoef, Jeroen Verspeek, Jur Vogelzang  
Marcos Portabella (CMIMA), Abderrahim Bentamy (IFREMER)

In Europe, scatterometer product development is organised through the EUMETSAT Satellite Application Facilities (SAF). KNMI ([www.knmi.nl/scatterometer](http://www.knmi.nl/scatterometer)) produces (Near) Real Time wind product based on the ASCAT scatterometer on MetOp-A. A 12.5-km product for ASCAT has been made operational, to be used for nowcasting and also a 25-km product for assimilation in Numerical Weather Prediction models. Moreover, Near Real Time wind products on 25-km and 100-km grids from the SeaWinds scatterometer instrument on QuikSCAT are available. Also, KNMI produces ERS-2 scatterometer wind products on 25-km Wind Vector Cells, allowing user data access in typically 60 minutes. Ascending orbit ASCAT winds are available within 30 minutes after measurement in the Northern Hemisphere. The portable ASCAT and SeaWinds wind processing packages, AWDP and SDP resp., used for this Ocean and Sea Ice SAF wind production, are made freely available through the Numerical Weather Prediction SAF. For the near future, developments are foreseen towards ASCAT products in the coastal zone, improved geophysical modelling and ambiguity removal, at 12.5-km resolution in particular. A wind processing package for the Indian OceanSat-II scatterometer, due for launch this year, is also planned to aid in calibration and validation efforts. In January 2009 the MyOcean project kicked off; as part of the European Union Global Monitoring of Environment and Security, GMES, Marine Core Services, MCS, programme the MyOcean Sea Ice and Wind Thematic Assembly Centre will develop gridded global ocean wind and stress products from all available satellite wind and model wind data. These activities will be elaborated at the OVWST meeting.