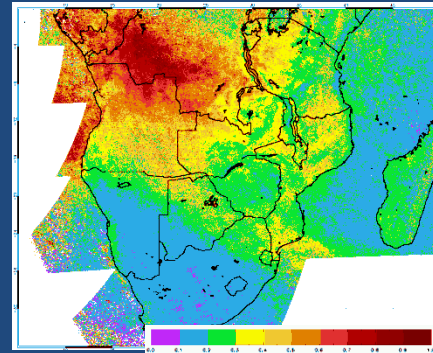


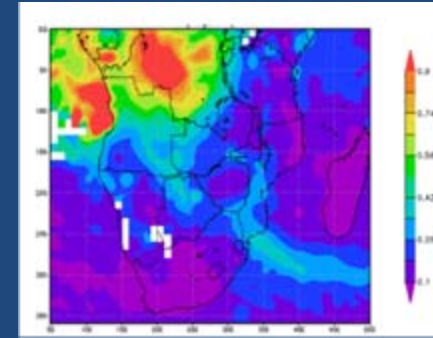
Joint retrieval of Aerosol Properties and Surface Reflectance from Meteosat First, Second and Third Generation Observations with an Optimal Estimation Method

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- A series of algorithms are currently being developed to derive jointly aerosol properties and surface reflectance from Meteosat First (MFG), Second (MSG) and Third Generation (MTG) geostationary satellites data.
- MFG: Data archived from 1982 up to 2006.
- MSG: Operational since 2004. Possibility to discriminate large and small particles over land surfaces.
- MTG: Launch foreseen in 2017. Possibility to retrieve the aerosol micro-physical properties.



Aug. 2001 Monthly mean aerosol from Meteosat First Generation and MODIS



Aerosol retrieval from MSG/SEVIRI
3 March 2004

