

Change log and update history WFS-Ethiopia Toolbox

WFS-Ethiopia Toolbox XML config version 2

Change log November 2018.

Removed from menu (data no longer available):

- Meteosat-7 LRIT and MPEF routines, satellite obsolete
- SPOT VGT products, SPOT Vegetation instrument obsolete
- Import VGT Products Ethiopia, products obsolete. If older VGT products are required, older version of Toolbox needs to be used
- Dependency on BUFRTool is removed, software obsolete
- UK Met – Exeter, Africa-MidEast 48 hrs forecast, products obsolete
- LEAP model import and export
- MDD3 and MDD4 removed, data obsolete

Routines modified:

- GDAL, updated version is added (GDAL 111 and 221)
- BUFRExtract and BUFRRDisplay, updated versions
- MSG Data Retriever, now also import and retrieval of MSG-IODC (MSG_0d and MSG_41.5d)
- Copernicus WSI, Africa only
- All Proba-V products, according to the last version provided on EUMETCast, for Fapar, Fcover, NDVI, WB and LAI. BA 300 meter product now supported extracted for window covering Ethiopia
- Automated processing routines for MSG adapted to allow for processing of MSG_0d and MSG_41.5d (IODC)
- Mapviews and routines updated for “Automated Processing” routines to allow for retrieval of MSG4
- All MPEF products updated to allow for retrieval of MSG4 and remove dependency of BUFRTool (for BUFR products)
- All NWSAF products updated to allow for retrieval of MSG4
- MWeather, updated version
- MDD-1 now separate menu item, under METAR and TAF Messages
- XML Menu, now version 2
- Installation and user guide updated

Routines added:

- Generic visualization of HDF, NetCDF and Grib formatted data using Panoply, using latest version
- Under MPEF: Added Divergence product and isoline creation having an interval of 25 and 50
- Under LSA-SAF: Added METREF product
- Added online climatological resources:
 - Monthly mean time series products like air temperature, precipitation sea surface temperature and lake levels, for Ethiopia lakes are monitored like Turkana, Ziway and Tana
 - GFS forecasting products like precipitation, actual ET, potential ET minimum temperature and maximum temperature, 10 day forecast
- Unified Model Data, UK-Met Exeter, Africa 17 km model (144 hr forecast for Africa only) for:
 - Convective clouds, Total (accumulated) precipitation, Long wave radiation (outgoing)

- Agro-meteorological forecasts (at 1.5 mtr above ground level), like dew point, relative and specific humidity and temperature
 - Geo-potential heights (850, 700, 500 and 250 hPa)
- MPEF Indian Ocean Cover, replacement of MSG1 (Meteosat-8) at 41.5 degree over equator
- MPEF products from IODC coverage
- Sferics: lightning detection using ADNET - automatic lightning location network
- Online access to EUMETCast – GEONETCast Product Navigator
- Processing routines for NDVI index based crop insurance and indemnity calculation
- Water Requirement Satisfaction Index based calculation routines
- Various Hydro-meteo and Bio-meteo processing routines to import ENACTS data, calculate various aridity indices, Temperature Humidity Indices and Mosquito habitat suitability monitoring
- Online basic (climate) historical data sets to retrieve air temperature, rainfall, etc.
- GFS Forecasts of selected parameters, like rainfall, temperature (min, max), relative humidity, ETa and ETo
- EUMETView and subsequent data import routine
- Sentinel EO-Browser and subsequent data import routine
- METOP AVHRR Level 1b Reader
- In manual added various exercises and sample data updated