MESSIR-VISION
Forecaster Workstation

Equipping forecasters with advanced tools to visualize, analyze, and combine meteorological data.

- Proven, versatile forecasting and visualization solution deployed worldwide across National Meteorological Services, the military, and aviation sectors.
  - Trusted worldwide – operational in diverse meteorological environments, delivering reliability and consistency.
  - Intuitive and user-friendly – designed for quick learning; forecasters can navigate and operate efficiently with minimal training.
  - Flexible and customizable – easily tailored to each Meteorological Service's specific operational context, data sources, and user requirements.
  - Adaptable to any scale – available as a stand-alone workstation or a client-server architecture with centralized, redundant databases and multiple connected users.
  - Designed for your mission – supports personalized workflows and end-user needs, ensuring accurate, timely, and actionable meteorological outputs
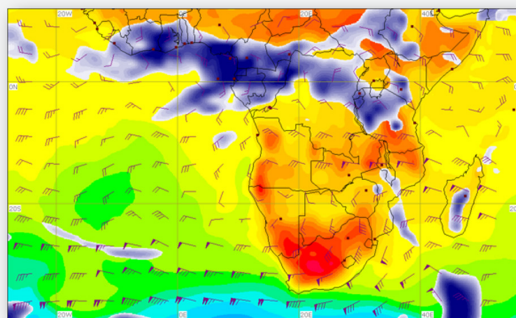
MESSIR-VISION Solution

Enabling accurate forecasts that support critical sectors, protect lives and property and enhance the efficiency of weather-impacted activities worldwide.
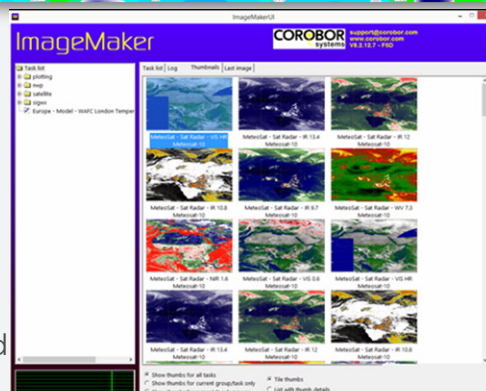
Comprehensive Data Integration

- Displays global and mesoscale NWP outputs (GRIB/GRIB2) from ECMWF, UKMO, AROME, ALADIN, HIRLAM, WRF, and others
- Ingests BUFR-coded observations (SYNOP, TEMP, METAR, TAF, AIREP, AMDAR...)
- Supports satellite and radar products from EUMETSAT, Himawari
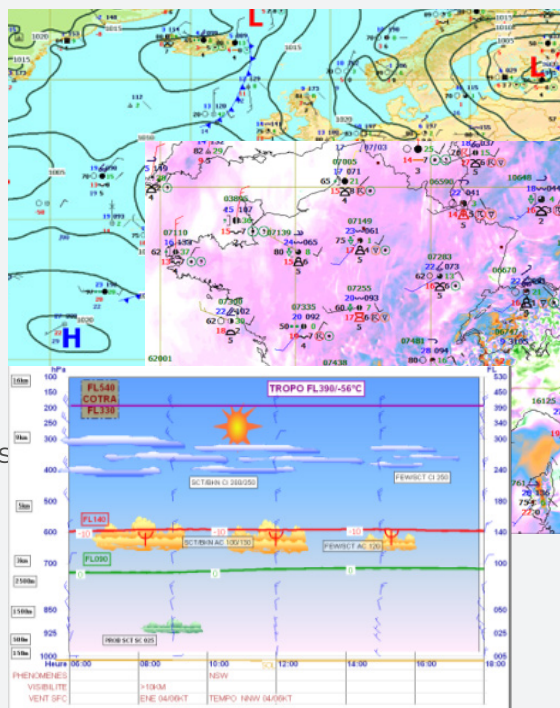- Connects seamlessly to GTS, WIS, SADIS, WIFS, and other operational networks

Powerful Forecasting Tools

- Interactive plotting, overlays, and animation of meteorological parameters
- 3D visualization with contours, trajectories, and derived parameters
- On-screen chart creation (SIGWX, analysis, forecast) using BUFR data
- Automatic chart generation, multi-screen support, and archived data replay for training or analysis

Operational Flexibility and Interoperability

- Fully adaptable to local data sources, user workflows, and forecasting needs
- Provides Web Services for integration with third-party and aviation systems
- Exports charts and data in multiple formats (PNG, JPEG, PDF, XML,)
- Available as a stand-alone workstation or scalable client–server configuration