VAISALA

IRIS

EXPERIENCE MORE

The **next** generation in weather radar software.

PUBLISHED BY

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Try IRIS Focus at **iris.vaisala.com.**

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B211503EN-B

Experience More

IRIS Focus Weather Radar Software has a modern display and a rich set of tools for viewing and analyzing your weather radar data like never before. Developed with customers, the easy-to-use interface reduces complexity and training time. IRIS Focus helps you better understand storms for quicker decisions and more accurate precipitation estimation and classification.

Analyze Your Data Faster

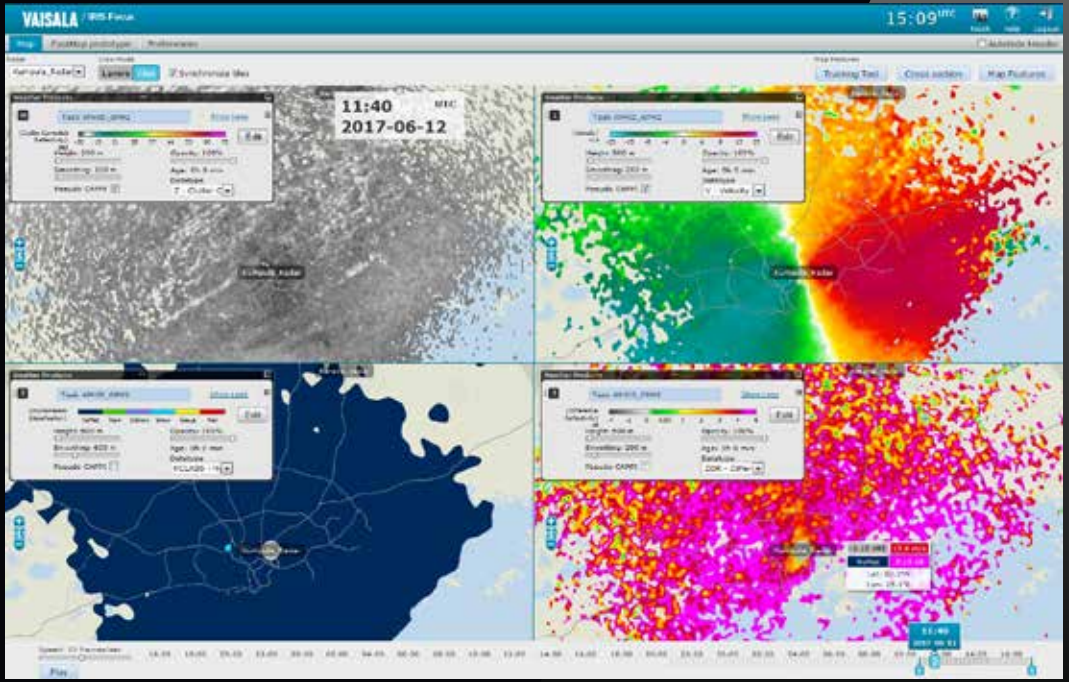
IRIS Focus allows you to see more. Choose a multi-panel display or layer multiple data points from different radar products on one screen. Because we generate radar products on-demand, you can zoom in on data at the highest resolution.

ANALYZE YOUR DATA FASTER

See More with the Multi-Panel Display

- *Display up to four radar products within the same window to see all the significant details of the weather at once*
- *Synchronize time and location of displayed panels*
- *Synchronize displayed panel animation*
- *Move the cursor to a different location on the map – all displayed panels move together*

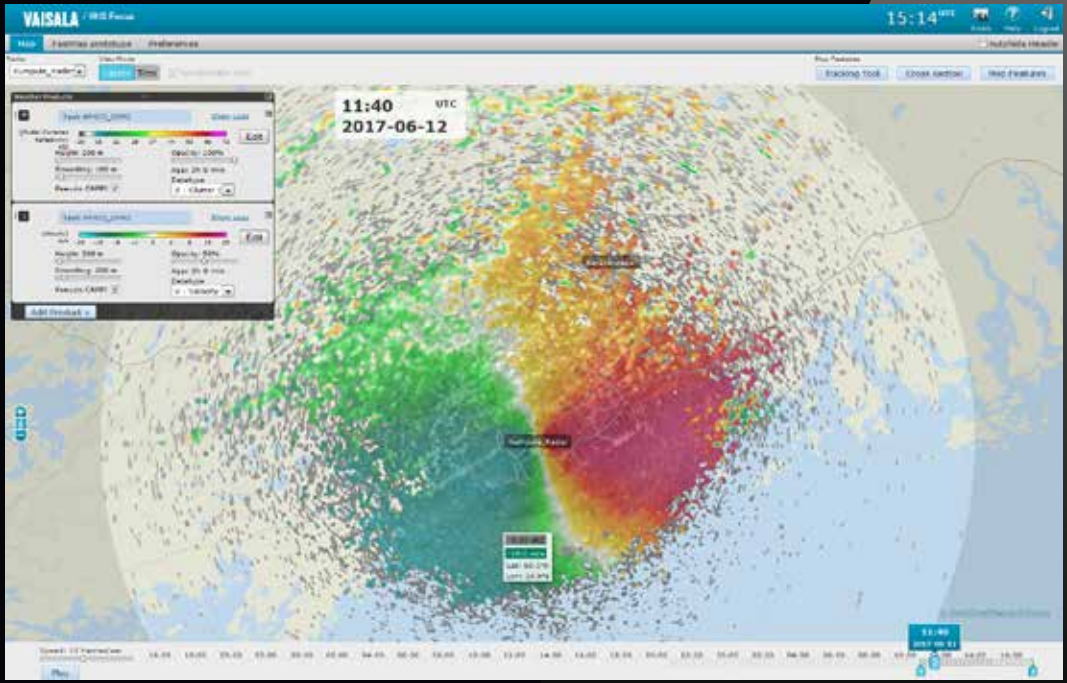
ANALYZE YOUR DATA FASTER


VAISALA
15:09UTC
11:40 UTC
2017-06-12

Understand More by Overlaying Multiple Data Points

- *Layer multiple data such as radar reflectivity and radial velocity*
- *See radial winds and intensity simultaneously*
- *Set height, smoothing, opacity, and data type in layer settings*

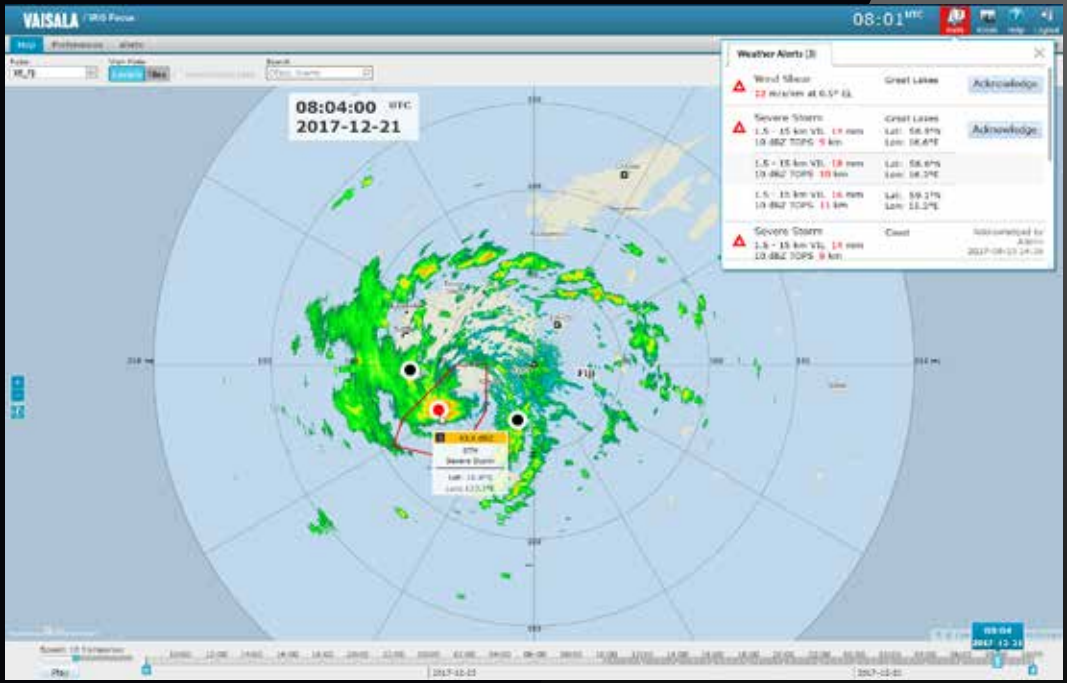
ANALYZE YOUR DATA FASTER


VAISALA
15:14
11:40 UTC
2017-06-12

Weather Warnings and Alerts

- *Automatically detect weather hazards as they appear*
- *Receive an alert when a significant weather event (such as hail, wind shear, or heavy rain) appears in your area of responsibility*
- *Configure the alerts to use your terminology and language to speed up the response – no interpretation is needed*

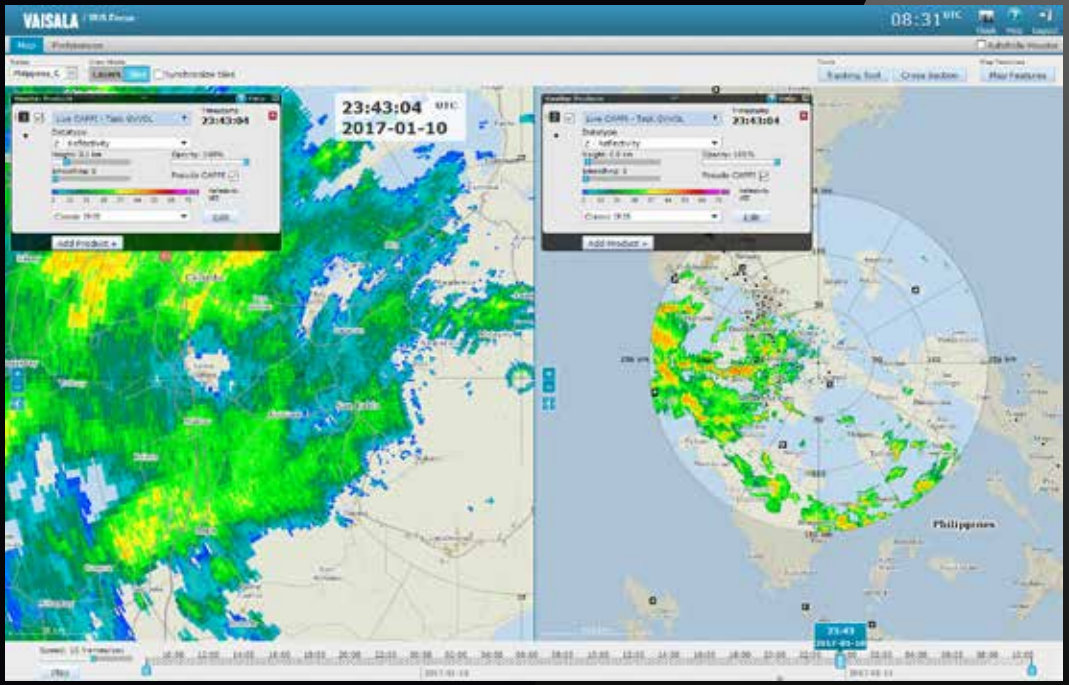
ANALYZE YOUR DATA FASTER


VAISALA
08:01 UTC
Weather Alerts (3)
Wind Shear
Great Lakes
Acknowledge
Severe Storm
Great Lakes
Acknowledge
Severe Storm
Coast
08:04:00 UTC
2017-12-21

Generate High Resolution Products On-Demand

- *Generate on-demand and pre-configured radar products*
- *Display data at the highest possible resolution for the given screen space*
- *Zoom in and data will be re-generated to increase the resolution*
- *Adjust on-demand product settings, such as CAPPI heights interactively, add smoothing, and select data variables*

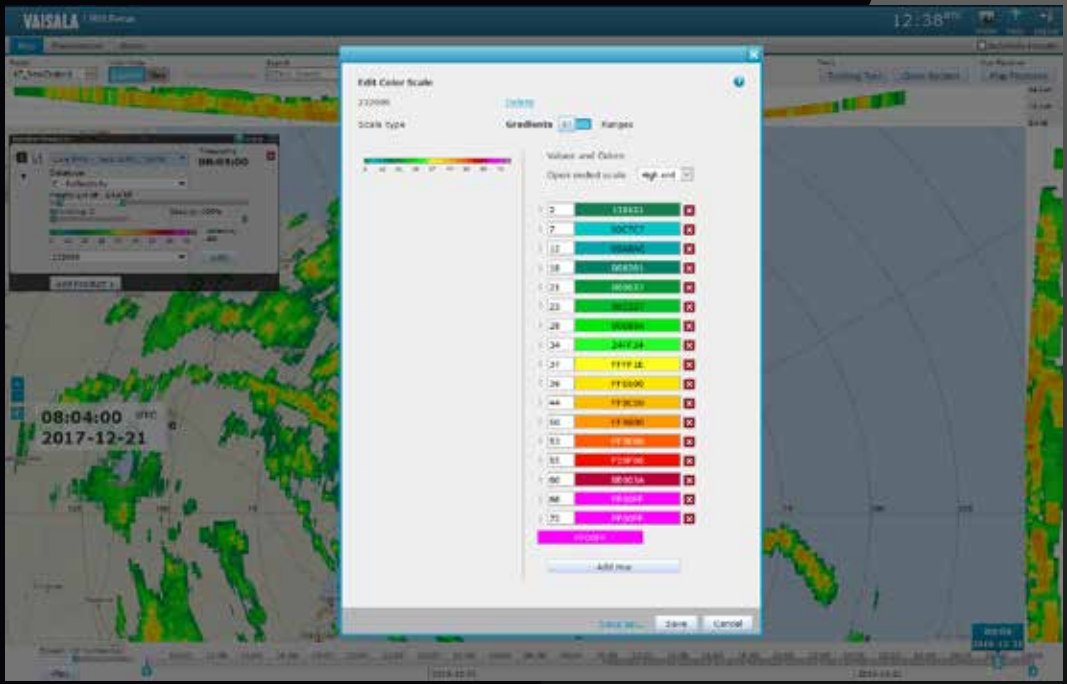
ANALYZE YOUR DATA FASTER


VAISALA
08:31 UTC
23:43:04 UTC
2017-01-10
Philippines

Use Color Options to Prevent Distortion

- *Use the color scale editor to design color scales that do not distort the data by falsely highlighting certain colors*
- *Color palette goes beyond traditional red, green, and blue by adding hue and luminance control*
- *Administrators can set a standard scale for sharing across an agency*

ANALYZE YOUR DATA FASTER


VAISALA
12:38
Edit Color Scale
Delete
Scale type
Gradients
Ranges
Values and Colors
Open ended scale
High end
Add row
Save
Cancel
08:04:00
2017-12-21

Understand Storms to Make Better Decisions

IRIS Focus tools support quicker decision making and accurate precipitation estimation and classification. Advanced graphic display and data processing capabilities provide new ways of observing your weather radar data.

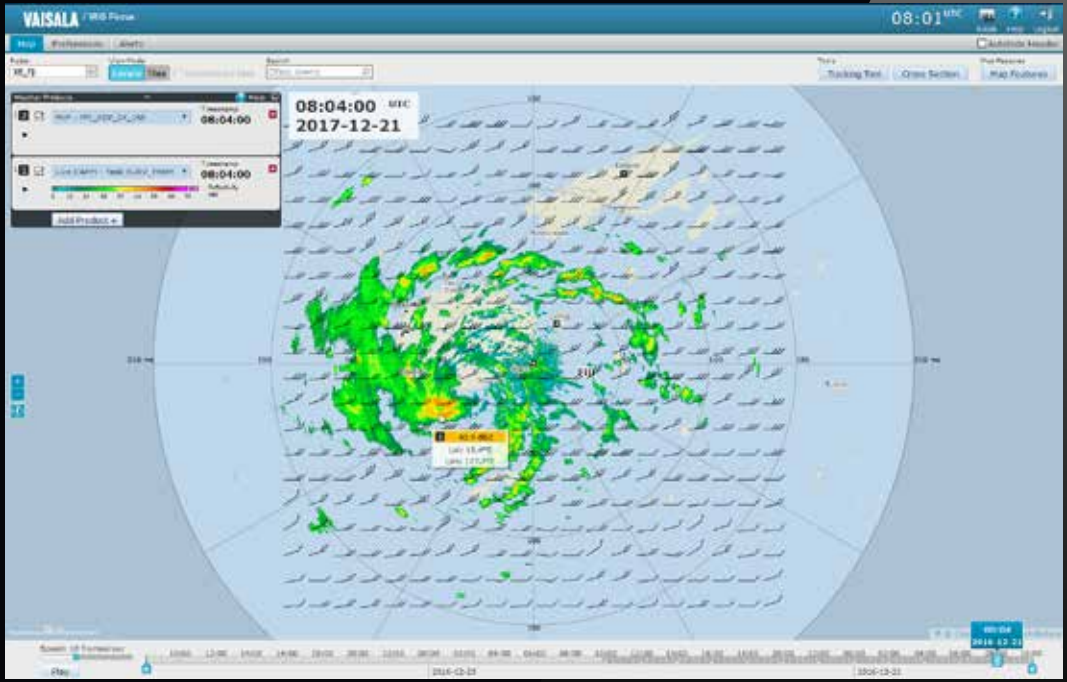
BETTER UNDERSTANDING OF WEATHER

01:40
2017-06-12

Nowcasting

- *Automated short term forecasting predicts precipitation movement and gives you time to prepare hours in advance*
- *Support forecasters by visualizing the near future*
- *Seamless integration to the on-demand product generation and user interface for the best flexibility of weather analysis*

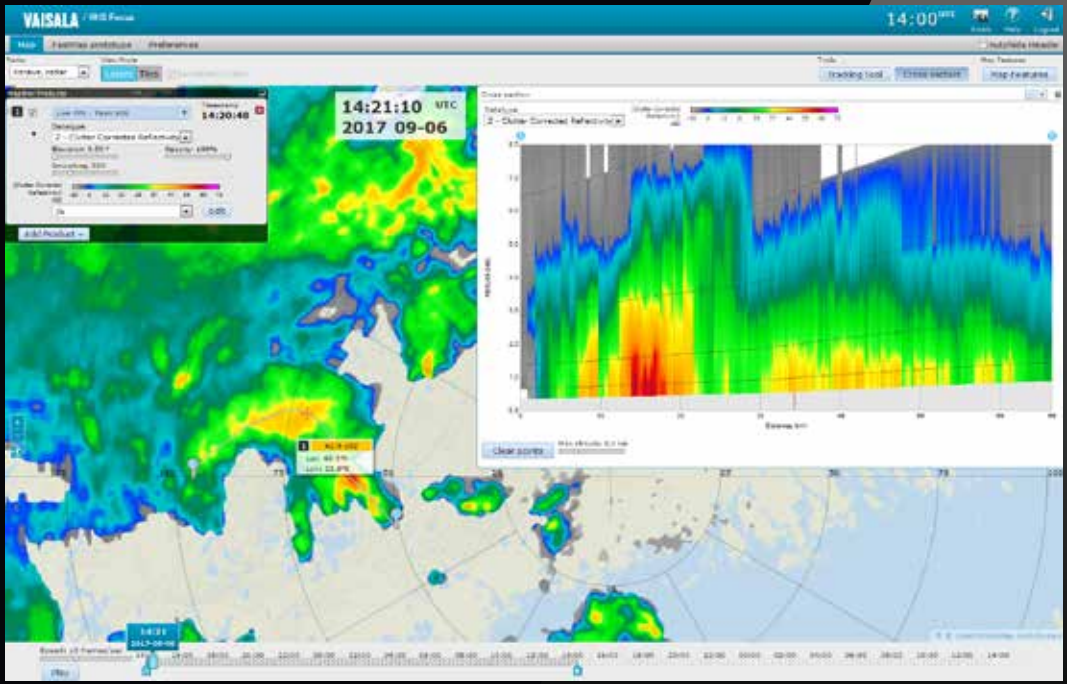
BETTER UNDERSTANDING OF WEATHER


VAISALA
08:01 utc
08:04:00 utc
2017-12-21
08:04:00
08:04:00
Add Product +

Observe the Vertical Structure of Storms

- *Understand storm motion and growth by using the cross-section tool to see data at different altitudes with respect to other data points*
- *Improve your interpretation of the three dimensional area and a storm's evolution in time*
- *Perform curved cross-sections to analyze frontal boundaries and curved rain bands*

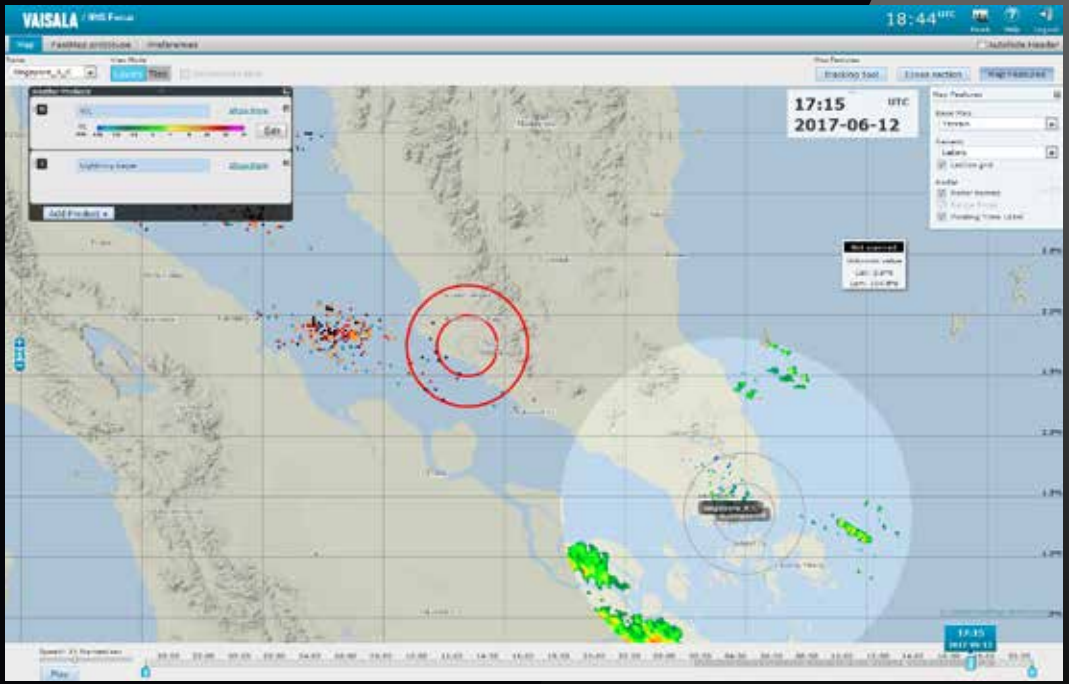
BETTER UNDERSTANDING OF WEATHER


VAISALA
14:00
14:21:10 UTC
2017 09-06

Display Data Outside the Radar Range

- *Extend observations to show convective storms beyond the radar range*
- *Layer other weather data, such as lightning data from Vaisala's Global Lightning Dataset GLD360 outside of the range of the radar*

BETTER UNDERSTANDING OF WEATHER


VAISALA
18:44 UTC
17:15 UTC
2017-06-12

Spatial Awareness

- *Locate weather data with respect to geographical features for better situational awareness*
- *Geographic Information System (GIS) datasets are continuously updated using Open Source GeoServer*
- *Add your own GIS data sets*
- *Support for Multiple maps*

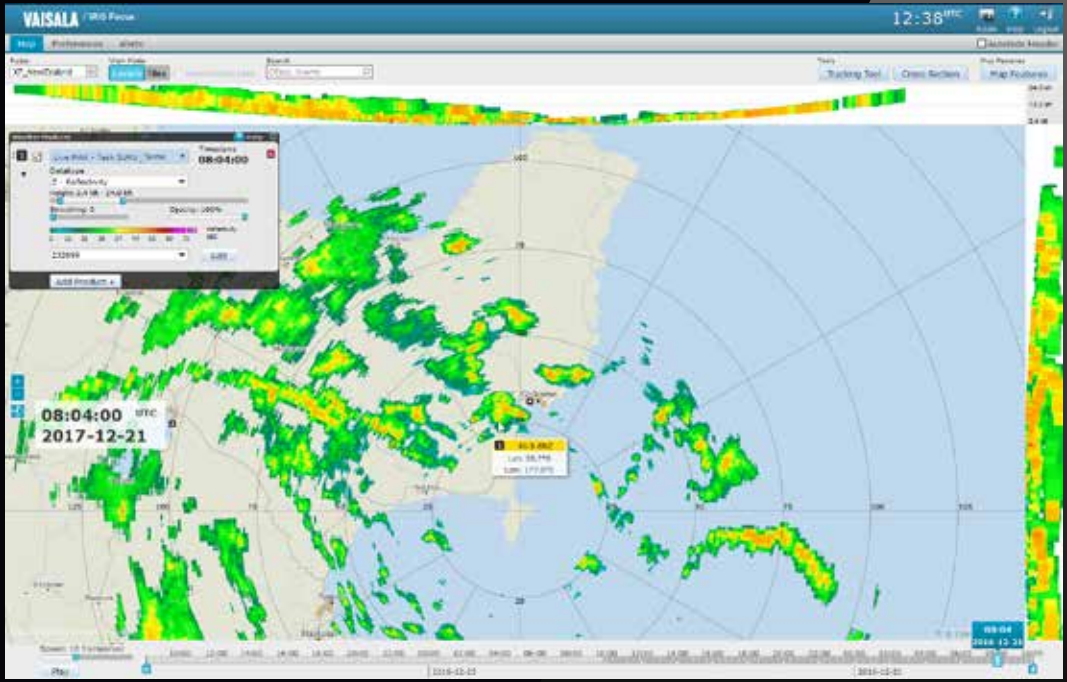
BETTER UNDERSTANDING OF WEATHER

07:09:58 UTC
2017-09-23

On-demand Radar Products

- *New interactive on-demand radar products (MAX, BASE, THICK and TOPS)*
- *Select the radar parameters and adjust the visualization details to focus on what matters most*
- *Use the Cursor Tool to easily see the data magnitude by placing the mouse over the weather pattern – no need to rely on the legend*

BETTER UNDERSTANDING OF WEATHER


VAISALA
12:38 UTC
08:04:00
08:04:00 UTC
2017-12-21

Access your Data Anywhere

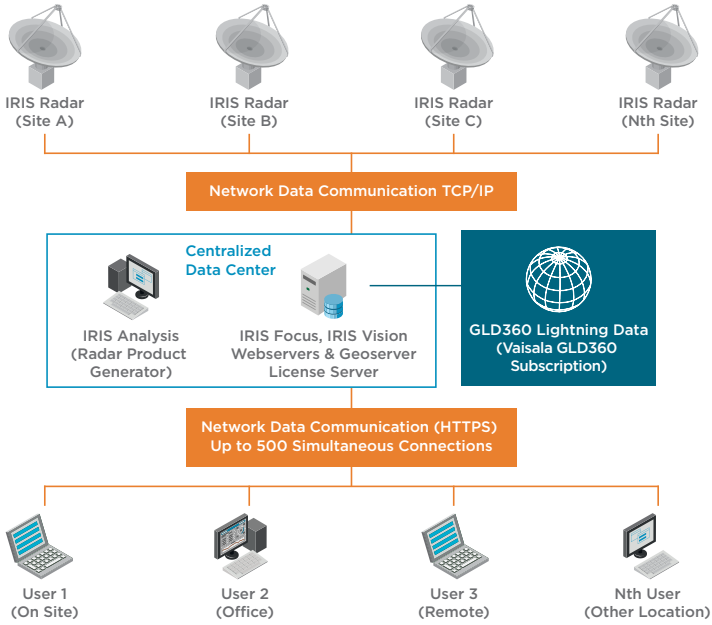
Because IRIS Focus is web-based, you can access your data from anywhere. You do not have to store data on your computer — easily share your data with colleagues in other departments and outside the agency.

INCREASE ACCESSIBILITY

Access Your Data from Anywhere

- *IRIS Focus is web-based, allowing you to access your data from anywhere*
- *Data does not have to be stored on your computer*
- *Easily share your data with colleagues in other departments and outside the agency*

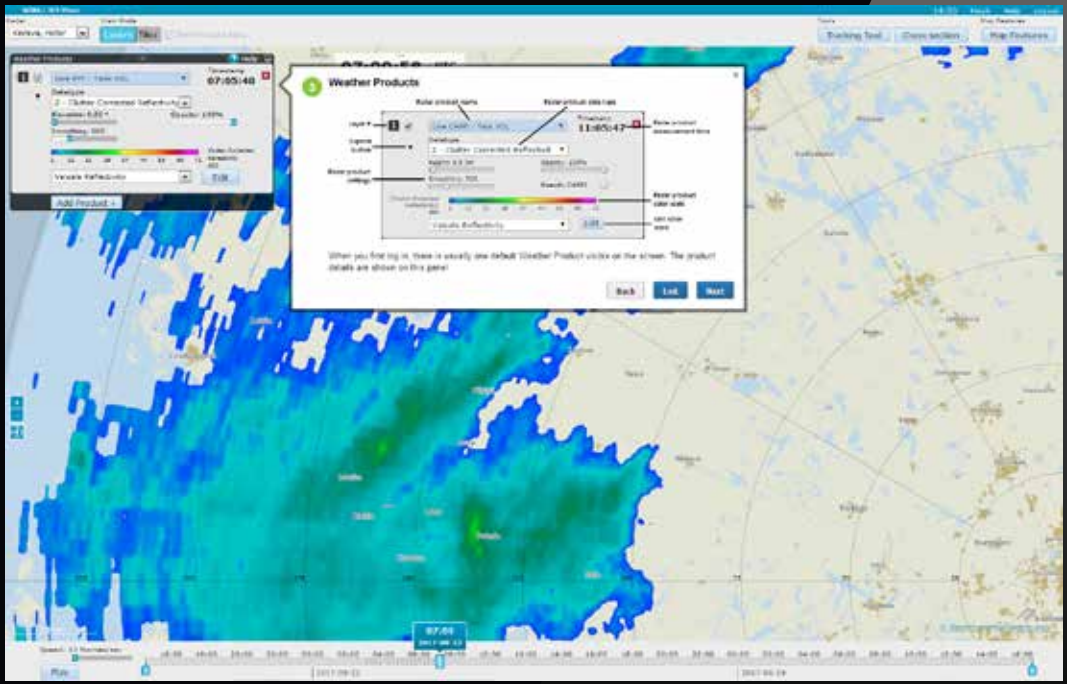
INCREASE ACCESSIBILITY


IRIS Radar
(Site A)
IRIS Radar
(Site B)
IRIS Radar
(Site C)
IRIS Radar
(Nth Site)
Network Data Communication TCP/IP
Centralized
Data Center
IRIS Analysis
(Radar Product
Generator)
IRIS Focus, IRIS Vision
Webservers & Geoserver
License Server
GLD360 Lightning Data
(Vaisala GLD360
Subscription)
Network Data Communication (HTTPS)
Up to 500 Simultaneous Connections
User 1
(On Site)
User 2
(Office)
User 3
(Remote)
Nth User
(Other Location)

Tool Tips and Localized Context-Sensitive Help

- *Interactive step-by-step tutorials reduce training time*
- *Built-in tool tips and context-sensitive help aid throughout*
- *Available languages: English, Spanish, Portuguese, and Russian are available*
- *More languages can be added on request*

INCREASE ACCESSIBILITY


Weather Products
Back
Exit
Next
Add Product
Tracking Tool
Cross section
Map Features

Vaisala Total Offering

- *One-stop-shop system provider*
- *Reduces training time and allows seamless transition between two or more Vaisala products*
- *Vaisala products that use same platform: Observation Network Manager, AviMet,® Thunderstorm Manager, RoadDSS Manager and DigiCORA® Sounding System MW41*

INCREASE ACCESSIBILITY

THUNDERSTORM MANAGER

OBSERVATION NETWORK MANAGER

ROADDSS NAVIGATOR

VAISALA

Experience **More**.