

Contact us
for all your weather requirements



MeteoGraphics

MeteoGraphics is the broadcast division of MeteoGroup, Europe's leading private sector weather business. With a worldwide customer base and operations in Europe and the USA, MeteoGroup is a full-service weather business providing tailored forecasting and consultancy to professional, media and consumer markets. Founded in 1986, the company has an unrivalled reputation for quality and innovation in weather forecasting.

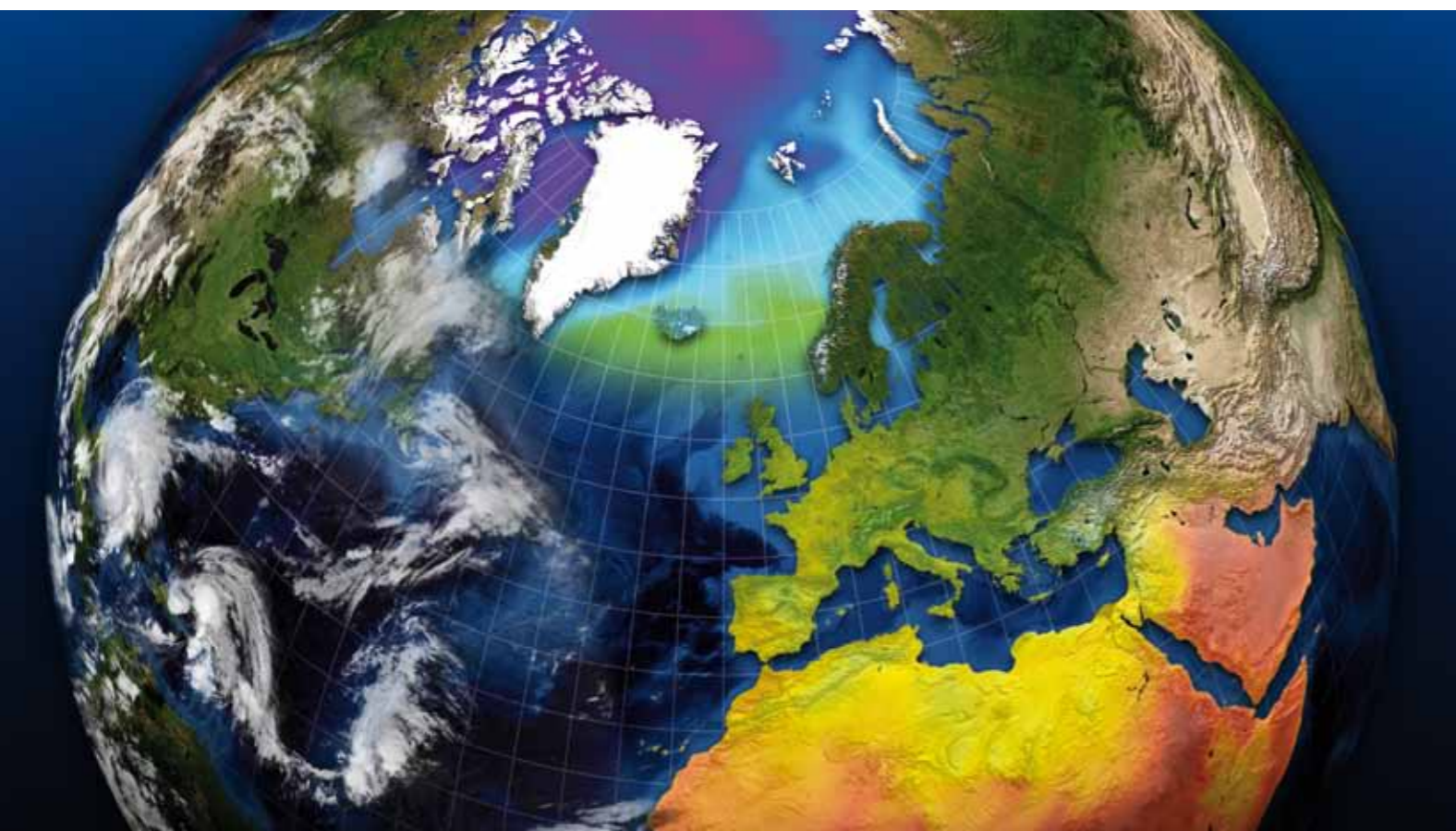
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Weather in Motion

Solutions for Modern Broadcasting

Weather from the Experts

MeteoGraphics – the broadcast division of MeteoGroup



MeteoGraphics provides a comprehensive range of bespoke weather presentation solutions and tailor-made services for broadcasters worldwide. From video and photography to 3D flights and topographical detail, we offer an unrivalled range of graphical solutions.

The combination of our technical product advantages, market-orientated services and meteorological expertise allows you to differentiate your weather presentation from the competition. With our own in-house graphics, development and customer service teams we support you during the whole implementation process and offer expert advice on style, content and workflows.

A Combination of Expertise

At MeteoGraphics we are not only experts in weather visualisation but also in weather itself. As part of MeteoGroup, Europe's leading private sector weather business, we provide meteorological expertise and forecasting data that is carefully monitored and evaluated by our experienced team of over 100 meteorologists. This combination of skills makes MeteoGraphics a one-stop shop for providing weather services to the media industry.

Creative Solutions

With over a decade of experience, working with broadcasters around the world, we are able to find the optimal solution for you no matter what your requirements are. Before putting pen to paper, we take the time to listen to your needs to ensure that what we ultimately deliver is in line with your expectations. During an extensive consultation period we establish concrete technical and graphical needs based on your workflow. We take your corporate design into account when creating customised graphics to ensure any creative work adheres to your brand guidelines.

The result is an integrated media solution which takes full account of the needs of graphic artists, technicians, meteorologists and, above all, presenters.

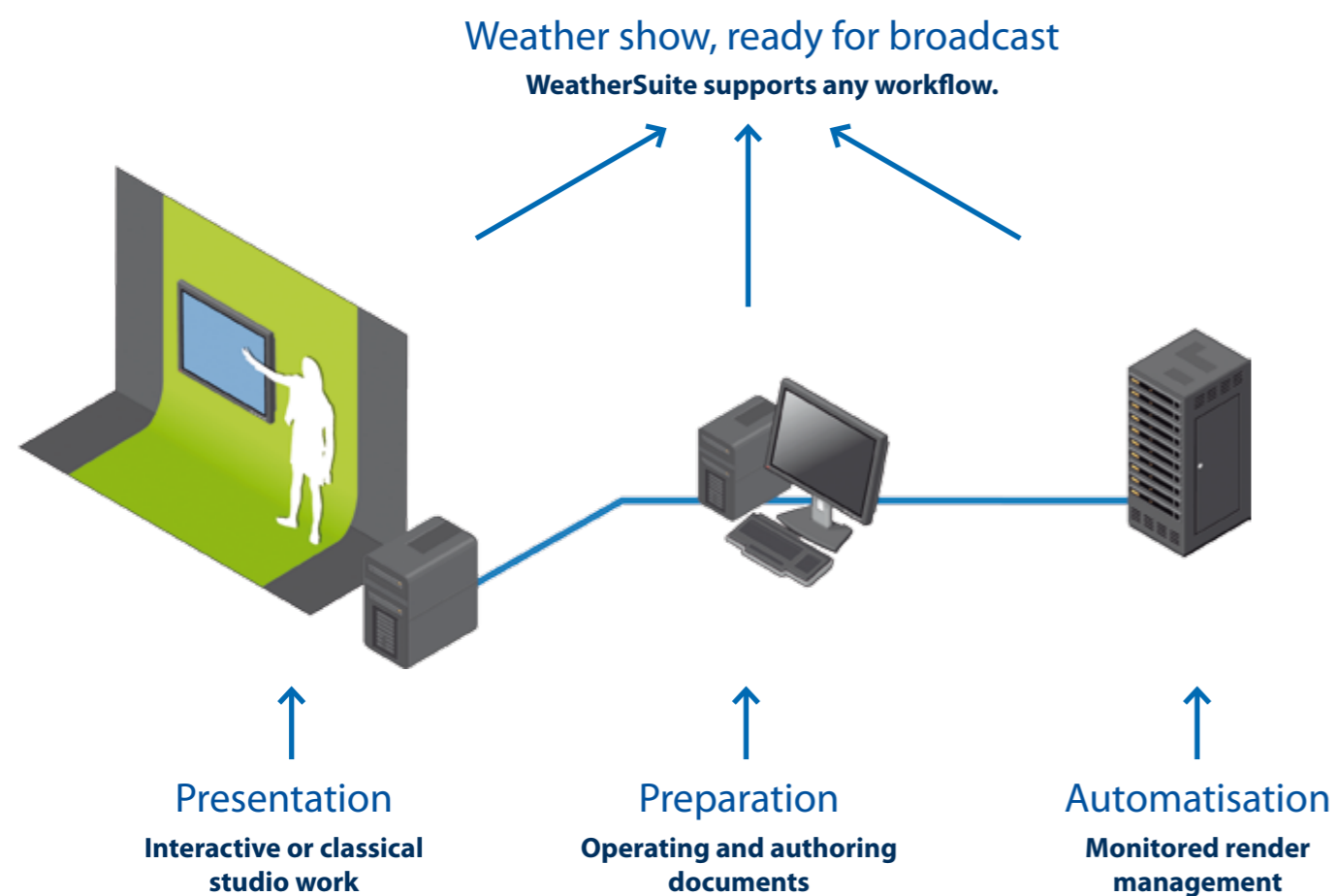
Full service: from design and workflow consultation through to the launch of your weather show.

Advantages at a glance:

- * Over a decade of dedicated broadcast experience
- * In-house graphics, development and customer support departments
- * Expert advice on design, content and workflows
- * Real-time and file-based formats
- * Meteorological expertise for the most accurate forecasts

Our products and services

State of the art, easy to use and customer-focused



*All your weather broadcasting needs -
for any studio workflow.*

MeteoGraphics delivers complete professional weather solutions for broadcasters around the world. Our unrivalled range of products and services include unique real-time and interactive graphic displays, file-based formats, data feeds, ready-to-broadcast weather clips and the provision of our own in-house weather presenters. Our products can be readily integrated into all modern studio set-ups and you have the choice of any output formats, including full HD.

WeatherSuite

From presenters to meteorologists, graphic artists to operators, WeatherSuite is the perfect system to create your unique and innovative weather show. There are no limits to functionality, data import or design and it encompasses real-time and file-based formats.

Real-time Workflow

Our real-time interactive products WeatherPresenter and MeteoEarth are every presenter's dream: without the need for rendering, the preparation of a weather show takes just a couple of minutes. The latest data is available immediately and the presenter can plan the day's weather themes using the graphics which will form the subsequent weather show itself.

File-based Workflow

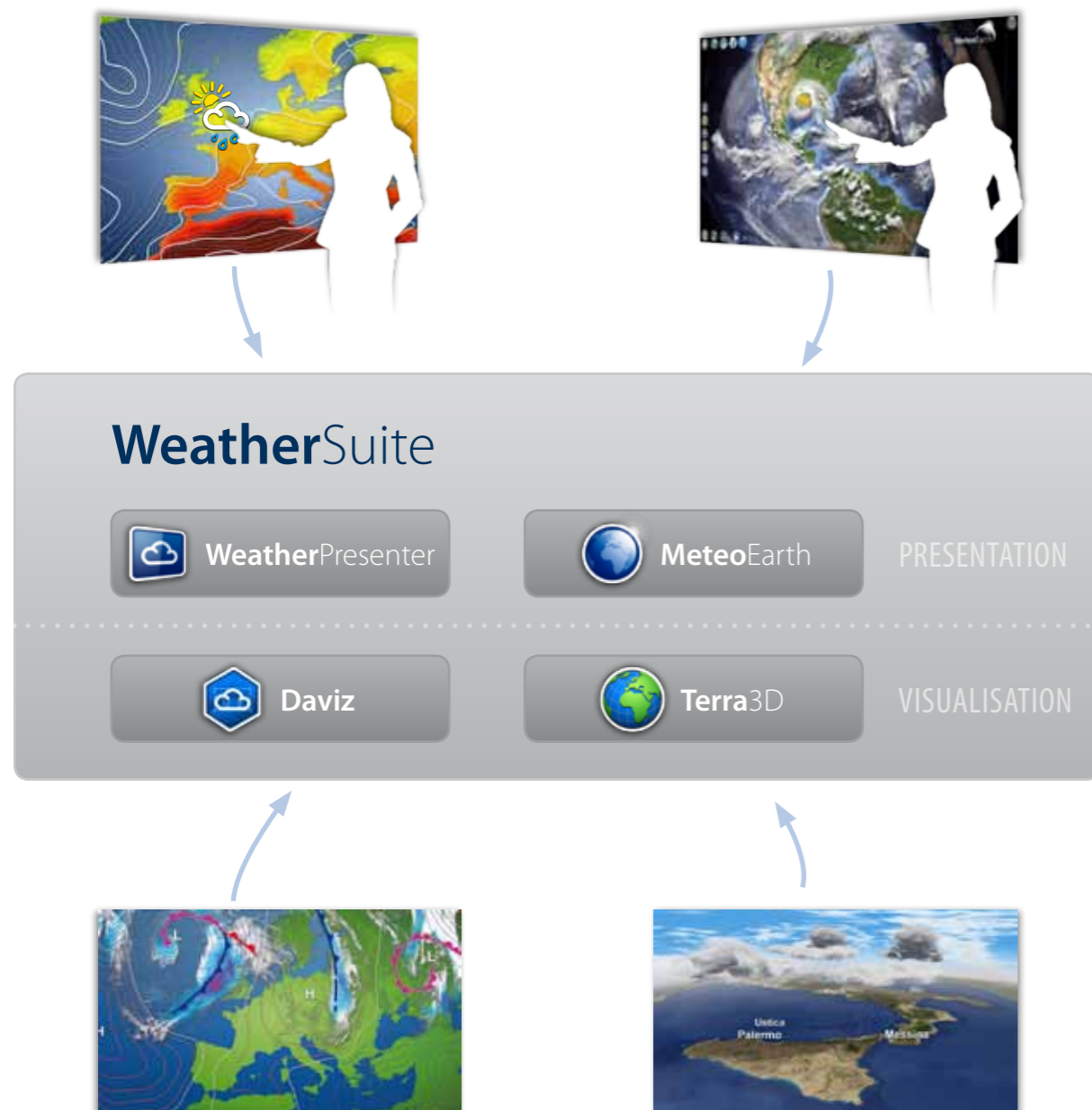
Files are created out of our 2D and 3D graphics engines, Daviz and Terra3D, which can be uploaded to our play-out system and broadcast as weather clips. With local render capability, data and graphics are easily modified to correspond to actual or forecast weather conditions using a wide range of visual and technical functionality. Automatic rendering and clip libraries are also central functions of our file-based workflow.

WeatherClips

WeatherClips are our pre-rendered clips ready for broadcast. They can easily be integrated into your playlist by drag and drop and come in four different designs. This is a great solution for smaller budgets.

WeatherServices

Our WeatherServices provide you with everything you would expect from full service weather experts whether it is a complete set of graphics, meteorological advice, support and consultancy or a complete weather show produced in our in-house studio.



WeatherSuite

Weather solutions for modern broadcasting

Meteorologists, presenters, graphic artists and operators alike benefit from WeatherSuite, the one-stop system for weather shows. Creating and modifying 2D and 3D graphics, altering meteorological data and saving changes back to the database, automatic rendering, real-time and play-out functionality – WeatherSuite has it all.

Advantages for Meteorologists:

WeatherSuite enables you to visualise the wealth of weather data available. When creating a weather story, you can choose from a wide range of data formats from any source, preview and compare them. Radar and satellite images, cloud forecasts, field data visualisations for temperature or precipitation patterns and more are all at your disposal, enabling you to produce a unique weather show.

Advantages for Presenters:

A wide range of presentation options and styles lets your weather show stand out from the crowd. Whether you prefer to use a set playlist or to have an interactive show, and whether you want to focus on global or local weather events, WeatherSuite supports you with intuitive functionality and by easing workflows.

Flexibility is also guaranteed by real-time content that allows you to add last minute changes just before going on air. Setting up a weather show is just a matter of minutes!

Advantages for Graphic Artists and Operators:

WeatherSuite supports you through all stages in the creation of your weather show: from the design of stunning 2D and 3D graphics to automatic rendering just prior to each weather show and the play-out of the content. Our sophisticated software packages Daviz and Terra3D offer you everything from basic 2D maps with animated symbols to 3D flights depicting your region in finely detailed real-life terrain graphics.

The plethora of functionality and an intuitive interface ease your daily workflow and maximise your graphical creativity. User-friendly control panels provide one-click options to alter texture styles or colour schemes.

Supporting workflows of any kind, WeatherSuite saves valuable time and lets you focus on the weather itself.

WeatherSuite



WeatherPresenter

Stand out from the crowd with this one-box solution

WeatherPresenter is the state-of-the-art weather visualisation and presentation system to make your show stand out from the crowd. Differentiate your weather presentation from the competition and attract larger audiences with real-time functionality, interaction via touch screen and/or trigger, video integration and stunning weather graphics.

With no need for rendering, meteorologists can focus on the daily weather and react spontaneously to current weather situations, needing just a couple of minutes to set up an entire weather show. The integrated play-out functionality and an intuitive interface make WeatherPresenter easy to work with.







Initial map designs are customised to your needs. The real-time content combines superb graphics, navigable maps and instant zoom capabilities to create a compelling live weather show. There is no limit to geo-referenced elements and interactive objects which can be added.

Even non-weather related items such as an image of a football stadium, a symbol for a volcano or a user-generated video can be integrated. As a play-out system, WeatherPresenter can also smoothly integrate content from MeteoEarth, pre-rendered videos created with Daviz or Terra3D as well as video content showing a weather situation unfolding live.

Narrate a unique weather show! Your weather story unfolds while the weather adapts smoothly to a quick change of location, you move instantly from a national overview to a detailed local picture, weather elements are faded in and out. Zooming, panning and the pause/continue animation function are further tools enabling you to home in on specific weather developments.



WeatherPresenter

Real-time content	MeteoEarth	Video content
 	 	 

Advantages at a glance:

- * Save valuable time: no need for rendering
- * Create a unique weather show: 3D, interactivity, real-time
- * Integrated play-out (including video content)
- * Choose the level of interaction or automatisation
- * High usability and flexibility

WeatherSuite



With MeteoEarth's real-time functionality you can be the first to present the latest weather news.

MeteoEarth The world's weather at your fingertips

MeteoEarth is the perfect tool for tracking worldwide weather events in real-time. With intuitive interactive functionality and no need for rendering, MeteoEarth shows live weather around the globe at the touch of your fingertip.

A complete presentation of recent weather can be set up in just a couple of minutes, enabling you to respond immediately to any news events involving the weather. The combination of high-resolution graphics for the whole world and real-time capability allows you to adapt your weather presentation quickly to reflect the current weather.

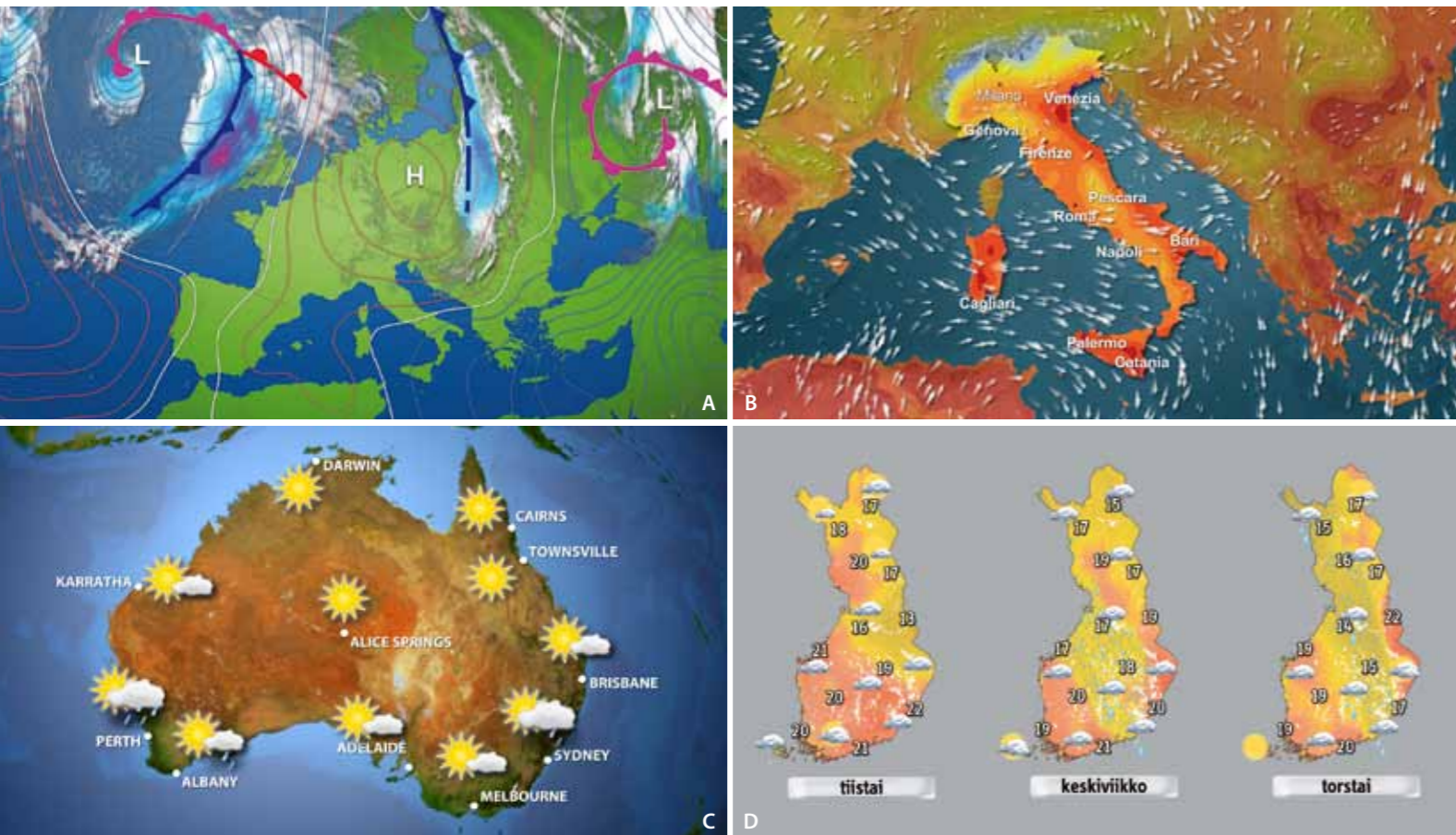
MeteoEarth is ideal for nowcasting; explaining how global weather events have recently progressed and how they might affect the forecast for the coming days. Satellite animations, precipitation fields, radar images and other meteorological elements can be overlaid to show how the weather is unfolding. The system can even be used for illustrating non weather-related news stories by uploading images, symbols or videos and positioning them around the MeteoEarth globe.

MeteoEarth offers ultimate control and on-screen usability for the presenter. Rotate the MeteoEarth globe with a simple touch, zoom and pan to where the weather events are due to happen and highlight weather phenomena by drawing directly on the screen. Individual weather elements can be added or removed at the touch of a button. High-resolution textures and dynamic city layers enable you to zoom into any region, allowing smooth and easy transitions between global and local weather events.

Advantages at a glance:

- * Worldwide satellite composite
- * Fully configurable
- * Easy to use with one-click options
- * Stand-alone solution or integration into WeatherPresenter
- * Intrinsic geo-referenced worldwide data set for several weeks
- * Drawing tools for highlighting (geo-referenced or screen-referenced)
- * Fully customised design

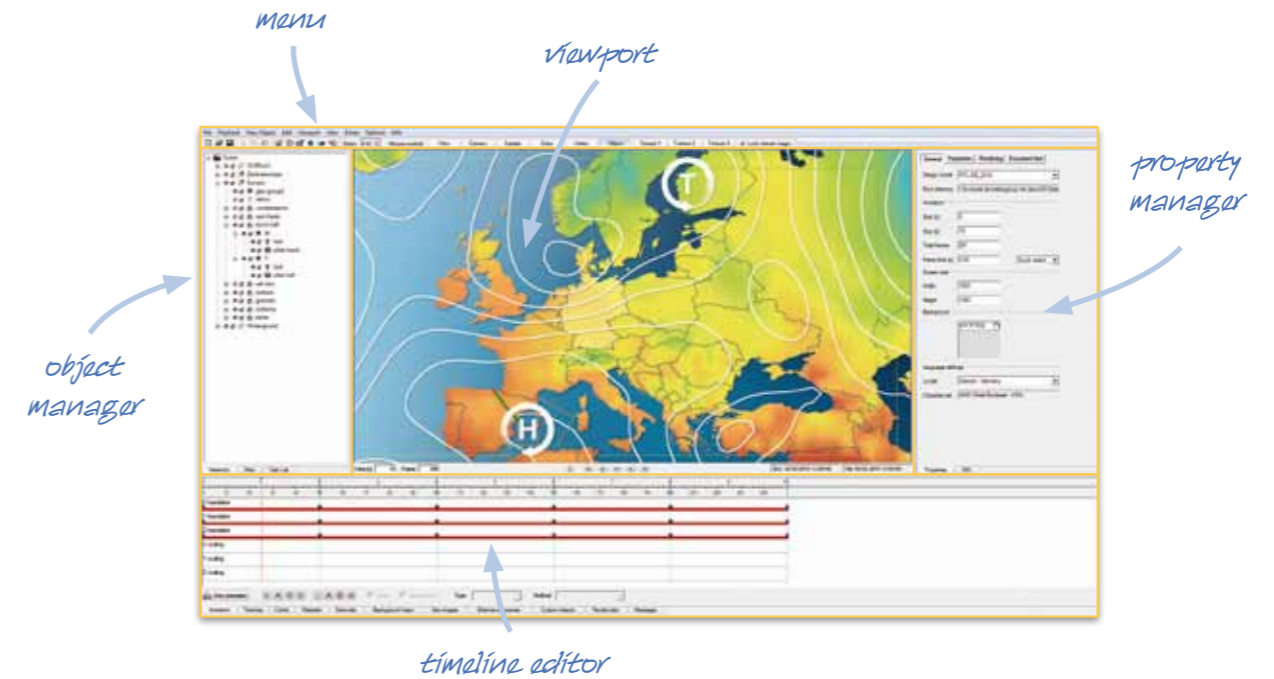
WeatherSuite



General weather situation in Europe **A** Windstream over Italy and the Mediterranean Sea **B**
 Australian weather symbol map **C** Forecasts for the following three days in Finland **D**

Unlimited opportunities in the world of 2D and 3D weather graphics

Daviz is our fully flexible software for creating state-of-the-art 2D and 3D weather graphics and the authoring tool for real-time content in Weather Presenter. Choose from an unlimited range of data import, functionality and designs to create a unique style for your weather show. Various workflows from fully manual to fully automatic as well as task lists for recurring duties support you in your daily work. Innumerable library and playlist combinations can be saved and retrieved for individual weather shows.



Daviz features:

- Point data (XML, ODBC) and area data (GRIB I & II) for visualising cities and areas
- Full geo-referencing for meteo images such as radar and satellite images
- A huge range of weather symbols, languages and charts
- Worldwide map base
- Import of ESRI vector data for borders, rivers, cities and regions
- Automatic data updates
- Export to common formats (MXF, AVI, image sequence)
- Individual, customised map design
- Animated weather maps
- Zooming effects for a dynamic look
- Key frame-based animations for smooth transitions

Create a unique style for your weather show.

WeatherSuite



Flight over Italy with volumetric clouds **A** 3D view of north western Europe with rain fields **B**
 Wind field over the east coast of the USA **C** Close view of London visualising local weather **D**

Create stunning weather graphics in 3D.

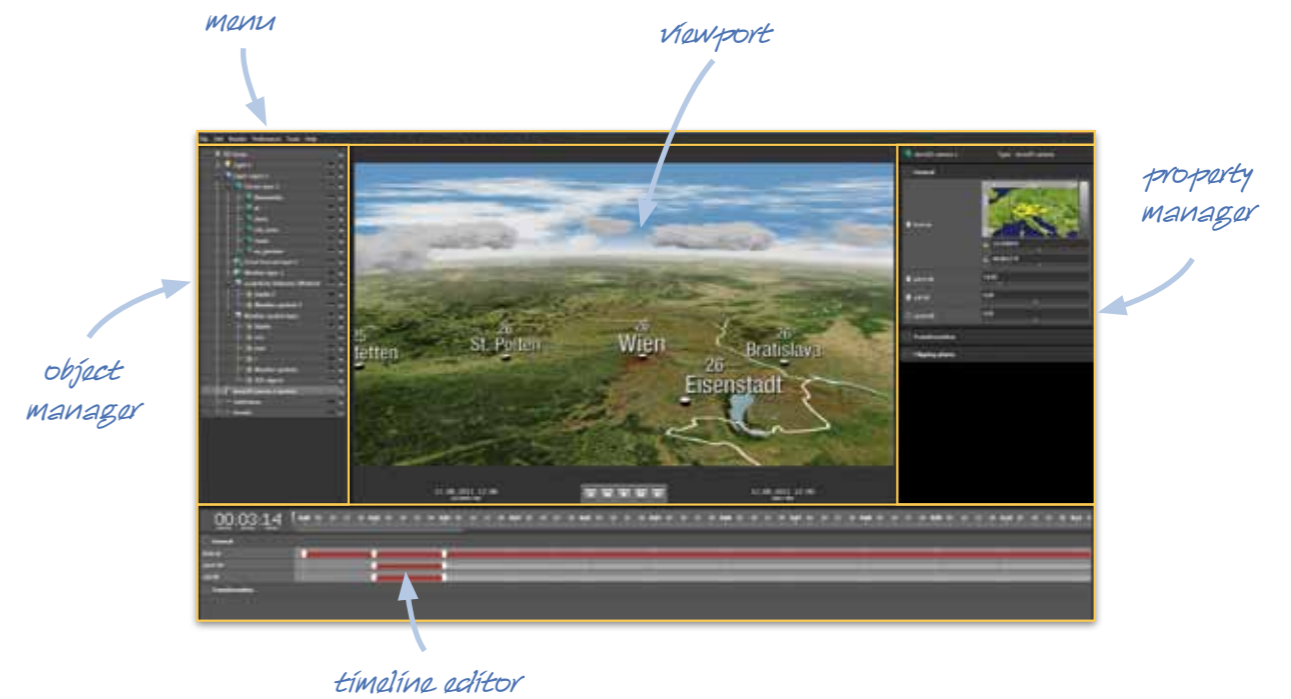


Terra3D

Weather in a new dimension

3D weather graphics with high resolution terrain textures

Create 3D flights over stunningly realistic terrain for every location in the world. Your viewers will be impressed by authentic rainfall visualisation, volumetric clouds, realistic horizons and shadow effects. You can smoothly fade city names, objects and weather symbols in and out while the flight progresses over the landscape. Various camera angles allow a unique perspective.



Terra3D features:

- Integrated height model data (SRTM) for visualising mountains and valleys
- Allows integration of other geo-data models
- High resolution worldwide blue marble NASA textures
- Bing maps plug-in for zooming down to street level
- Supports different character sets
- Import of ESRI vector data for borders, rivers, cities and regions
- Full geo-referencing
- Individual, customised map design
- Animated weather maps
- Seamless zooms for smooth transitions

WeatherClips

Drag and Drop! – WeatherClips ready for broadcast

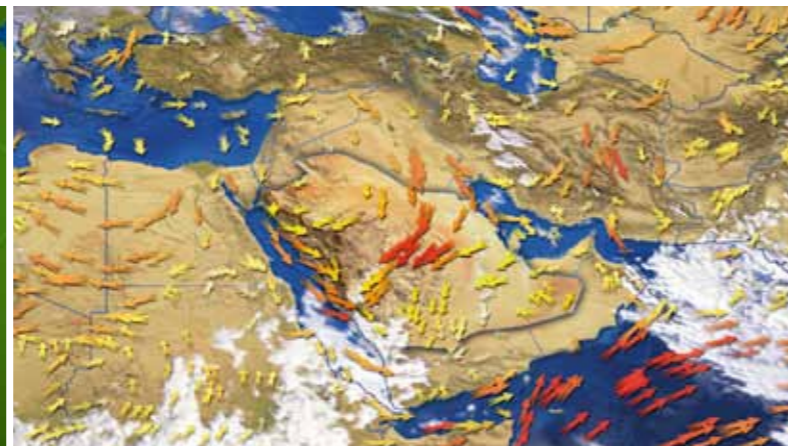
WeatherClips.TV

WeatherClips is an easy and cost-effective option for regular weather shows. Simply drag and drop the pre-rendered clips complete with up-to-the-minute weather data to your play-out system.

Regardless of medium, company size and budget, WeatherClips is all you need for professional, ready-for-broadcast 2D and 3D weather clips. You can choose from our four different designs and we can either send you the complete clips or we provide you with the tools to make your own changes.

Advantages at a glance:

- ✦ Designs customised to your corporate look and feel
- ✦ Timely delivery daily or several times a day just before going on air
- ✦ Expert advice on style and meteorological content
- ✦ Various file formats available



2D Weather

- No two weather shows will ever be the same as we work with you to create your unique 2D map design
- Up to 230 weather symbols covering any weather situation
- Both animated and realistic symbol sets
- More than two million locations worldwide

Dynamic Weather

- Charts for an outlook for the next five days
- Dynamic zooming effects for closer views of a specific region
- Animated cloud forecast for the next few hours or days
- Grid data as colour fields and/or animated isolines
- Windstreams show wind speed, direction and temperature combined in one chart

3D Weather

- 3D flights over a country or continent
- Smooth fading for names, objects and weather symbols
- More details and destinations in 3D flights
- High resolution terrain data

Real-life Weather

- Flights through volumetric clouds and rainfall
- Realistic cloud changes, horizon and shadow effects
- Additional layers such as shapes for cities, rivers and roads
- Free definition of camera angles for individual perspectives

WeatherClips is an easy-to-use service, ideal for smaller budgets.

Choose your clip style at www.weatherclips.tv

As a genuine one-stop shop, providing everything you need to create your weather show, we never leave you out in the rain. Working closely with you at every stage of implementation, we also remain on hand for all further requirements.

Meteorological Services

As a division of MeteoGroup, Europe's leading private sector weather business, we provide meteorological expertise and forecasting data that is evaluated by our experienced team of meteorologists. Some of them are also professional TV presenters, an additional expertise that contributes to our full-service consultancy. Our 24/7 hotline for all meteorological enquiries is an additional service that only a specialist weather business can offer.

For more advanced weather operations we provide you with MIDAS (Meteorological Information Display and Analysis System) – an interactive desktop software that allows you to get the very latest numerical weather model data, worldwide observation data and results from our in-house forecasting techniques. You can create custom displays at the touch of a button.

Graphics

With over a decade of hands-on experience, our in-house graphic team offers independent advice on creative work, ensuring designs fit with your corporate branding and taking other media into consideration. Whether file-based or real-time, interactive or static, 2D or 3D, you receive the full portfolio of graphics enabling you to find a unique look and feel and to launch your new weather show without delay. Our turnkey solutions allow for timely on-air launches.

Consultancy

Our experienced team of designers and developers is in tune with modern broadcast needs and gives advice on broadcasting techniques, workflows, designs and concepts for weather shows. All our products are developed in-house allowing us to continue updating them in line with your feedback.

Support

Our support team is on standby for any product queries or technical challenges. One team member is assigned to each customer so they have a thorough understanding of your project and you always have an expert on hand to answer your questions. Training sessions on all products are available and can be adapted to the needs of presenters, technicians or meteorologists. We also provide supervision for the on-air launch.



Meteorologist at the forecasting system MIDAS **A** Graphic artist at work **B**
Customer support workshop **C** In-house studio in action **D**

Studio

At MeteoGraphics we not only offer individual products and services but we also produce entire weather shows in-house. With our professional studio, experienced presenters, expert meteorologists and full range of broadcast products to hand, we have everything on site to create your complete show.