

SERVIR

Navigation and How-To Access TRMM Data

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Select language



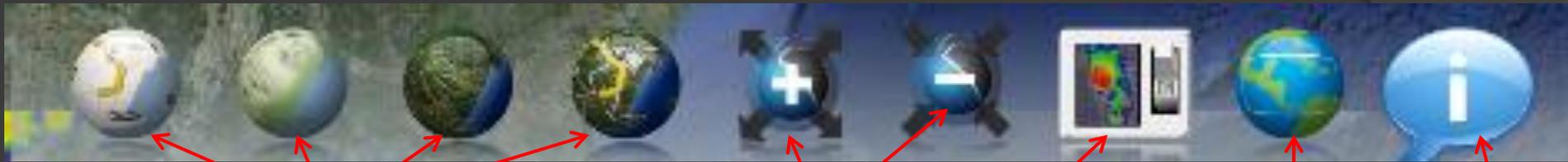
Select region to explore

- <http://www.servir.net/>
- SERVIR is a “Regional Visualization and Monitoring System that integrates earth observations (e.g. satellite imagery) and forecast models together with in situ data and knowledge for timely decision- making to benefit society.”
- SERVIR focuses on Mesoamerica and Africa, both developing areas
- Using the resources in SERVIR, the user can observe the threat of natural disasters in the areas, including floods, fires, earthquakes, volcanoes, and tropical storms



- Clicking on a portal brings the user to an interactive, animated map of the selected area
- This map shows current precipitation, earthquakes, fires, volcano alerts and GDACS alerts

SERVIR Portals



Change map type

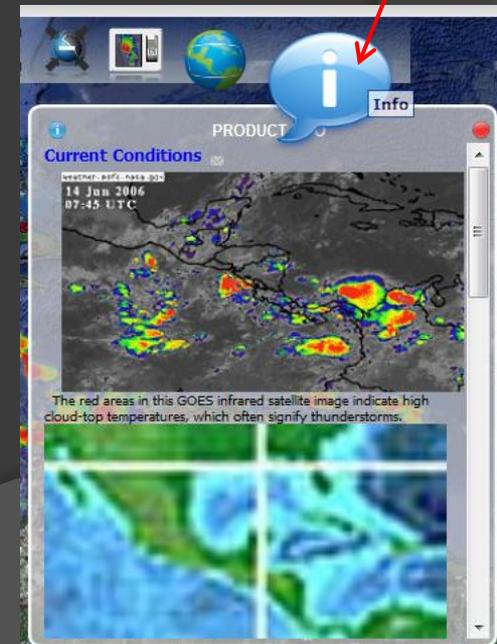
Zoom

Turn
weather
on/off

Restart
map

Info

- Click the controls to change the type of map displayed, zoom, turn precipitation on/off, restart, or get info
- Click on disasters to get information on them



Data Portal



SERVIR

DATA PORTAL

Su portal de datos mesoamericano / Your mesoamerican data portal

Metadata Portal

- Home
- Launch Map Viewer
- Advanced Search
- Login

Username:

Password:

Login

Create a new account!
Forgot Password?

Who Visits

Visitor locations

ClustrMaps™ Click to see

Home

Search

[Advanced Search](#)

Today Featured Map

SERVIR MAP MAKER STUDIO

Nicaragua-MAGFOR
Nicaragua MAGFOR

Data Categories

- [PREVDA](#)
- [Current Events](#)

Applications Areas

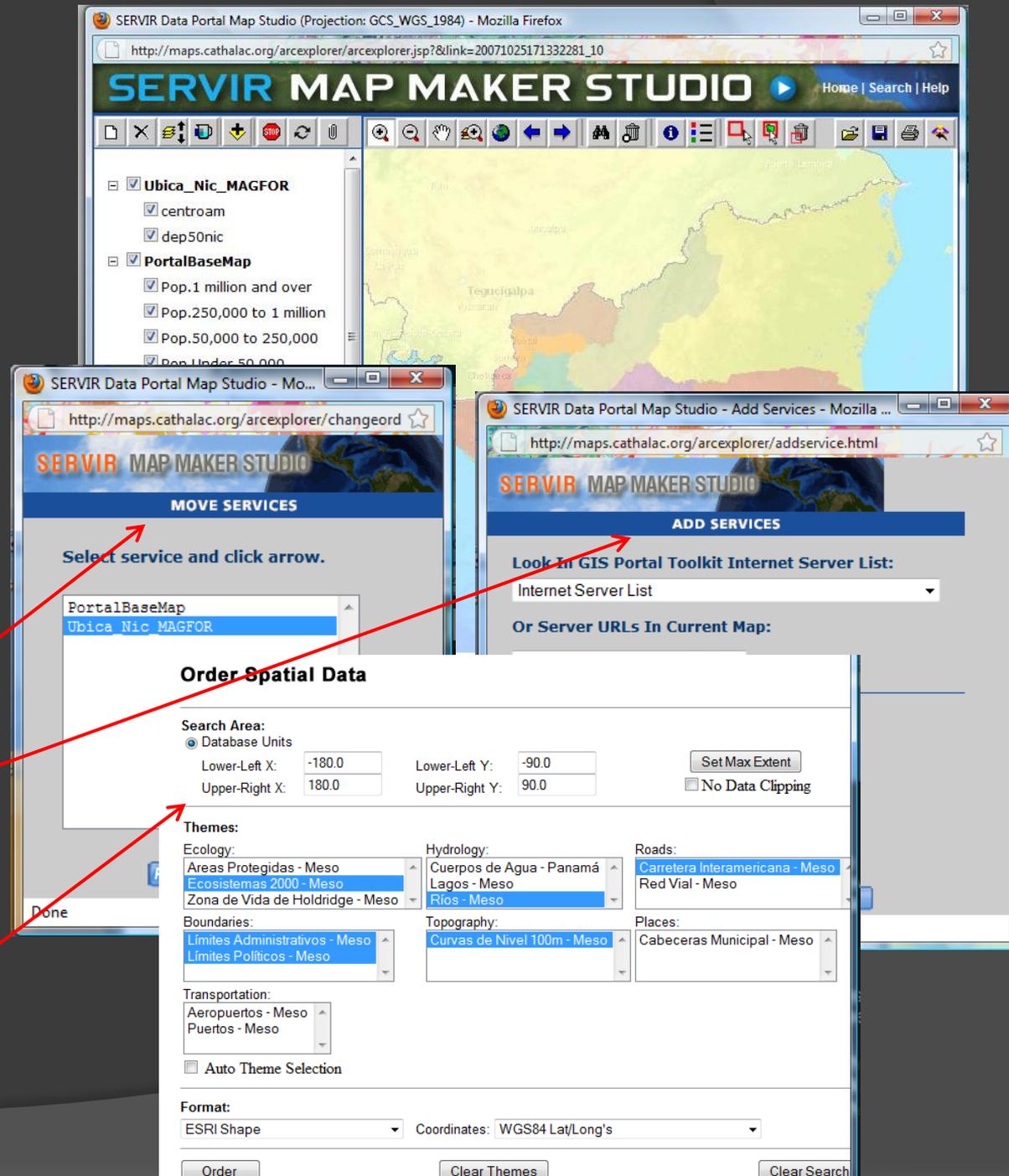
Regions

- [Mesoamérica](#)
- [Sur América](#)
- [El Caribe](#)
- [Golfo de México](#)

- Under the GEODATA tab, there are two links: Data Portal and Products Catalog
- Data Portal brings the user to a page where they can search for data and create a map
- The user can search by category, region, or keyword

Map Maker

- Launching the Map Viewer opens a new window with the Map Maker Studio
- The studio is very similar to GIS
- Rollover the buttons on the toolbar to see what they do
- Clicking  allows the user to move layers
- Clicking  allows the user to add layers accessible from credible websites
- Clicking  allows the user to download data



The image displays the SERVIR MAP MAKER STUDIO interface, which is a web-based GIS application. The main window shows a map of Central America with various layers loaded. The left sidebar contains a tree view of the layers, including 'Ubica_Nic_MAGFOR' and 'PortalBaseMap'. The top toolbar contains various icons for map navigation and layer management. Three dialog boxes are overlaid on the main window:

- MOVE SERVICES:** A dialog box with the title 'SERVIR MAP MAKER STUDIO' and the subtitle 'MOVE SERVICES'. It contains the instruction 'Select service and click arrow.' and a list of services: 'PortalBaseMap' and 'Ubica_Nic_MAGFOR'. A red arrow points from the 'Move Services' icon in the toolbar to this dialog.
- ADD SERVICES:** A dialog box with the title 'SERVIR MAP MAKER STUDIO' and the subtitle 'ADD SERVICES'. It contains the instruction 'Look In GIS Portal Toolkit Internet Server List:' and a dropdown menu for 'Internet Server List'. A red arrow points from the 'Add Services' icon in the toolbar to this dialog.
- Order Spatial Data:** A dialog box with the title 'SERVIR MAP MAKER STUDIO' and the subtitle 'Order Spatial Data'. It contains a 'Search Area' section with 'Database Units' selected and coordinates for 'Lower-Left X', 'Lower-Left Y', 'Upper-Right X', and 'Upper-Right Y'. It also has a 'Set Max Extent' button and a 'No Data Clipping' checkbox. Below this are several 'Themes' sections: 'Ecology' (Areas Protegidas - Meso, Ecosistemas 2000 - Meso, Zona de Vida de Holdridge - Meso), 'Hydrology' (Cuerpos de Agua - Panamá, Lagos - Meso, Rios - Meso), 'Roads' (Carretera Interamericana - Meso, Red Vial - Meso), 'Boundaries' (Límites Administrativos - Meso, Límites Políticos - Meso), 'Topography' (Curvas de Nivel 100m - Meso), 'Places' (Cabeceras Municipal - Meso), and 'Transportation' (Aeropuertos - Meso, Puertos - Meso). There is an 'Auto Theme Selection' checkbox. At the bottom, there is a 'Format' section with 'ESRI Shape' selected and 'Coordinates: WGS84 Lat/Long's' selected. A red arrow points from the 'Add Services' icon in the toolbar to this dialog.

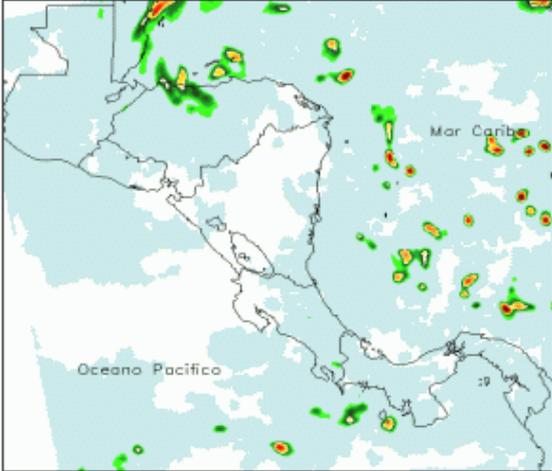
- Clicking on the SERVIR IN ACTION tab, users can view information on disasters, forecasts, environmental analysis, fire alerts, and air quality
- Under the Short Term Weather Forecast tab, users can access forecasts for specific regions



PRONÓSTICO A CORTO PLAZO "MM5" - MESOAMERICA

Short-term forecast for Mesoamerica As a result of the reinforcing the regional capacity that is part of objectives in the SERVIR project, the Panama staff produces the short-term regional weather forecasts using the PSU/NCAR Mesoscale Model, well known as MM5 in the atmospheric sciences community.

Current and previous forecasts can be viewed, animated, and downloaded from the Realtime Image Viewer. MM5 forecasts can be overlaid with other regional weather products and datasets using the free 3D SERVIR-VIZ application. Click on the SERVIR Data Portal icon and type the in keywords "Weather" to view all related weather data products.

A weather forecast map for Mesoamerica. The map shows the region of Central America and the Caribbean Sea. The map is overlaid with a color-coded weather forecast, with green and yellow areas indicating precipitation or clouds. The map is labeled with "Oceano Pacifico" and "Mar Caribe".

Next 0-24 Hours

	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Dew Point	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ground Temp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
500mb Humid&Wind	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
700mb Humid&Wind	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
850mb Humid&Wind	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Precipitation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2m Temp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Surface Temp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vertical Velocity	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
950mb Wind&Press	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Surface Wind&Press	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Next 25-48 Hours

	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Dew Point	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ground Temp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
500mb Humid&Wind	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
700mb Humid&Wind	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
850mb Humid&Wind	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Precipitation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2m Temp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Surface Temp	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Vertical Velocity	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
950mb Wind&Press	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Surface Wind&Press	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

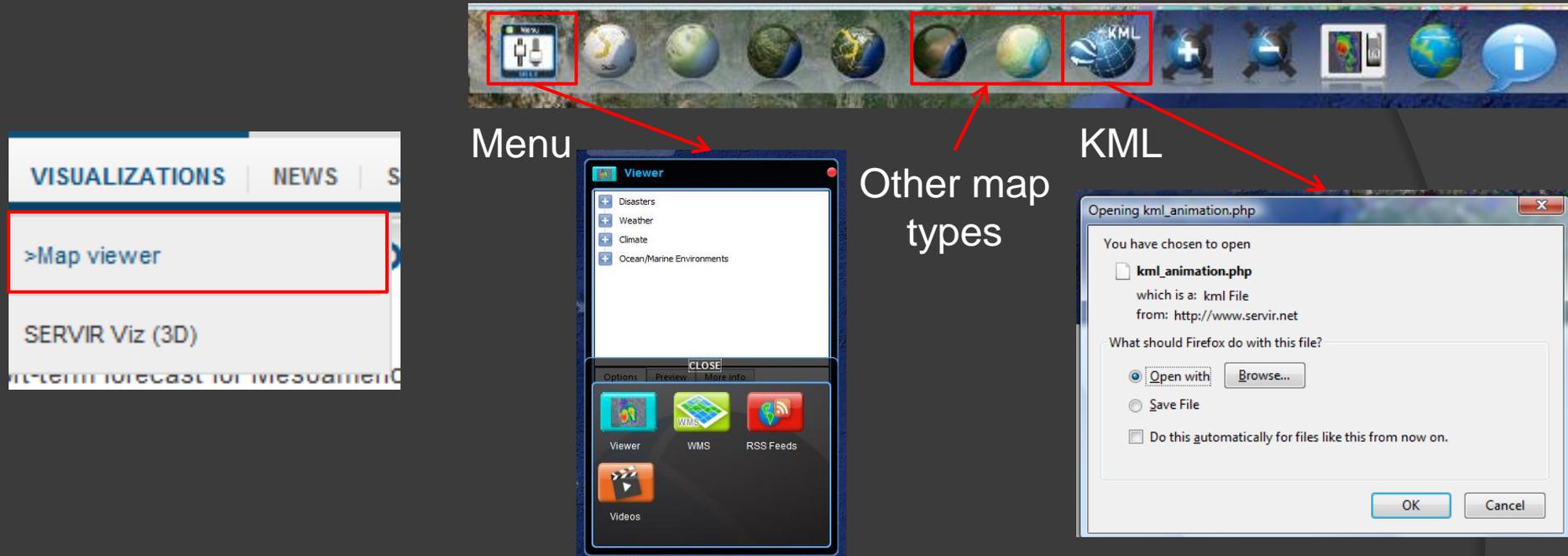
	24 Hours Animation	48 Hours Animation
Dew Point	X	X
Ground Temp	X	X
500mb Humid&Wind	X	X
700mb Humid&Wind	X	X
850mb Humid&Wind	X	X
Precipitation	X	X
2m Temp	X	X
Surface Temp	X	X
Vertical Velocity	X	X
950mb Wind&Press	X	X
Surface Wind&Press	X	X

Previous Forecasts		
Jun 6, 2010	Jun 5, 2010	Jun 4, 2010
Jun 3, 2010	Jun 2, 2010	Jun 1, 2010

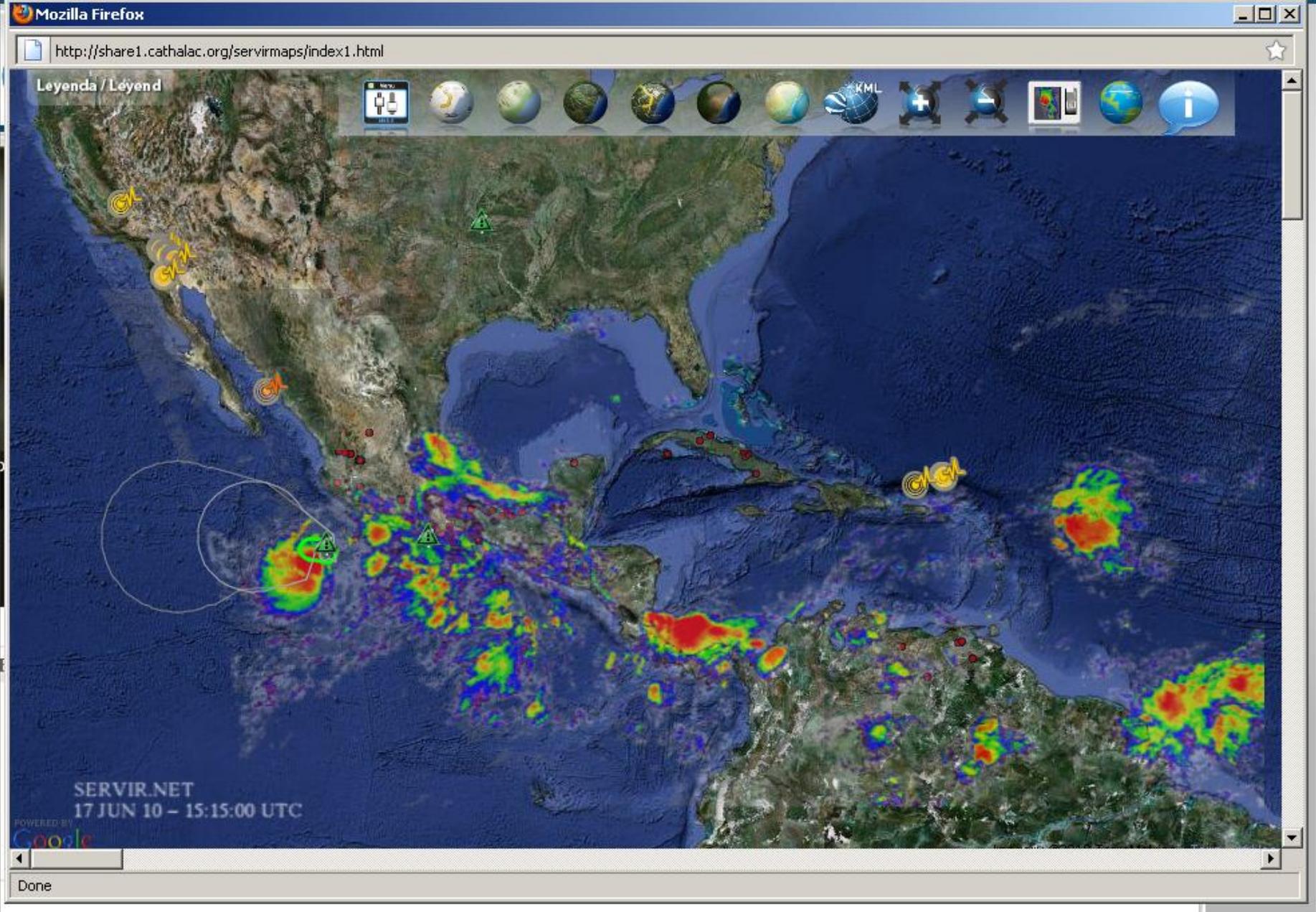
Scrolling down, users can look at maps of forecasts for that area in 11 different categories, hourly for 48 hours

There are also animations of the data in 24 hour or 48 hour increments

Map Viewer



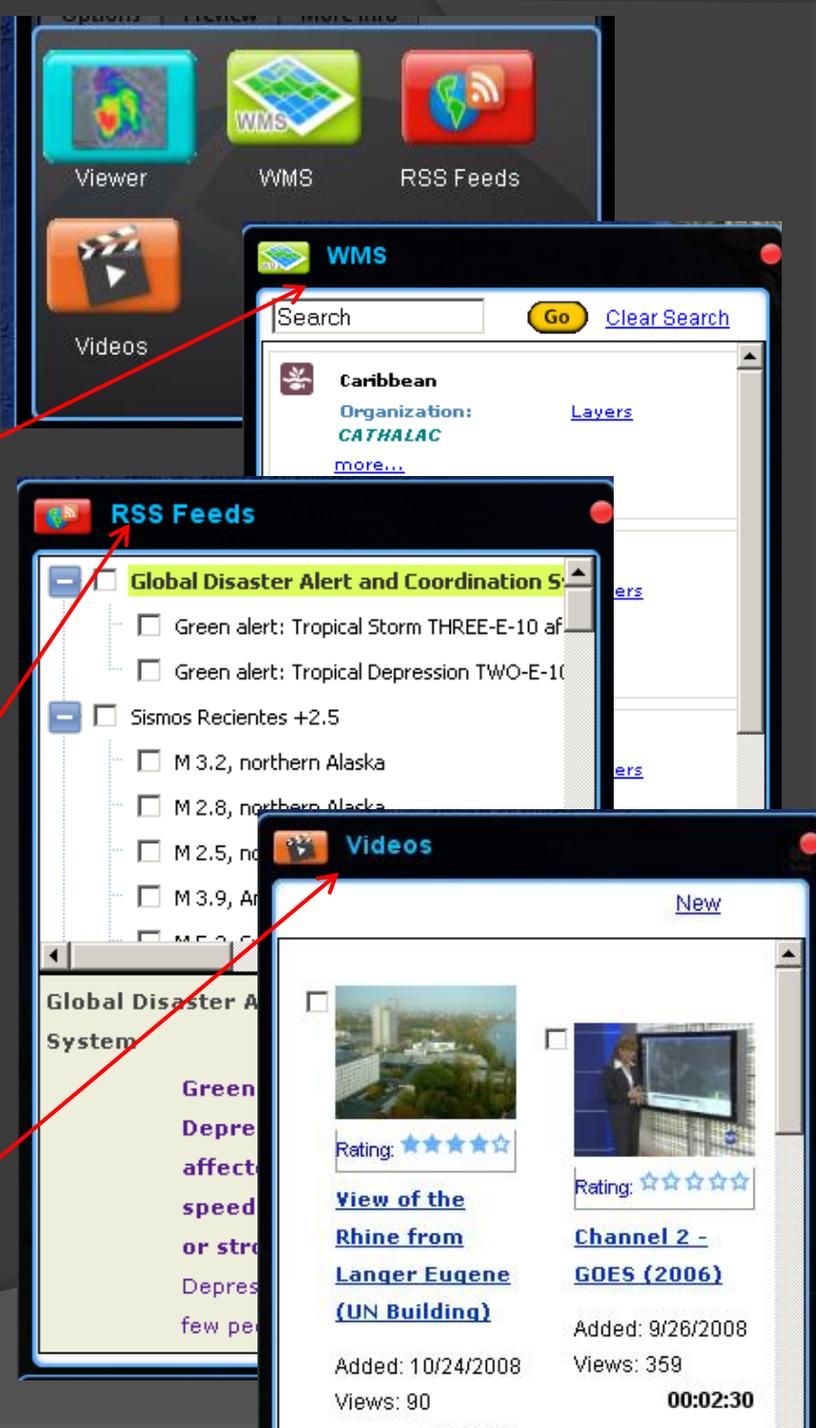
- Clicking on the VISUALIZATIONS tab, there are two options: Map Viewer and SERVIR Viz
- Map Viewer opens a new window, with an interactive animated map similar to the one on the portal homepage
- This map has more options:
 - Menu – with the ability to search and add layers of different data
 - KML – export the map to Google Earth



Screenshot of how the Map Viewer looks when opened

Menu Options

- The Menu has 4 sections, Viewer, WMS, RSS Feeds, and Videos
- WMS has links to servers that the user can connect to and add data layers to the map
- RSS Feeds allows the user to overlay earthquake, flood, and GDACS alerts
- Videos has links to a few short environmental videos



- Viewer allows the user to add layers of disaster, weather, climate and marine environments to the map
- To access rainfall data, open the Weather tab, and scroll down to Accumulated Rainfall
- Under that tab, select 3 Hour Blended Accumulation
- Choose the dates, transparency, and number of images
- The user can also preview the data or get more info by clicking on the tabs
- Click “Show in Map” to bring the image/animation onto the map
 - Make sure the Animation icon is on
- From here, the user can export the map view to Google Earth by clicking the KML icon



The screenshot shows the 'Viewer' application window. The 'Weather' layer is expanded, and '3 Hour Blended Accumulation' is selected. The 'Options' tab is active, displaying date selection (6/1/2010 to 6/3/2010), a transparency slider at 70, and an 'Images' dropdown set to 7. A 'Show in Map' button is highlighted with a red box at the bottom of the options panel.

As of 6/17, the only data it shows is current data from 6/16 to 6/17

Mozilla Firefox

http://share1.cathalac.org/servirmaps/index1.html

Legenda / Legend

Viewer

- + Hurricanes
- + Current Conditions
- + NowCasting
- + Community Model for Air Quality
- + MMS Forecast
- Accumulated Rainfall
- 3 Hour Blended Accumulation**
- + Climate
- + Ocean/Marine Environments

Options Preview More info

From: 6/1/2010 To: 6/3/2010

Transparency: 70 Images: 7

Show in Map

MENU

3-hr BLENDED accumulation (mm) 17-Jun-2010 1200Z

TF=20100617 0300Z F00-4 G50-15 Max=88.5

Imagery ©2010 TerraMetrics - [Terms of Use](#)

Done

Overlaid with Rainfall 3 Hour data

Search

Fly To Find Businesses Directions

Fly to e.g., Reservoir Rd. Clayville, NY

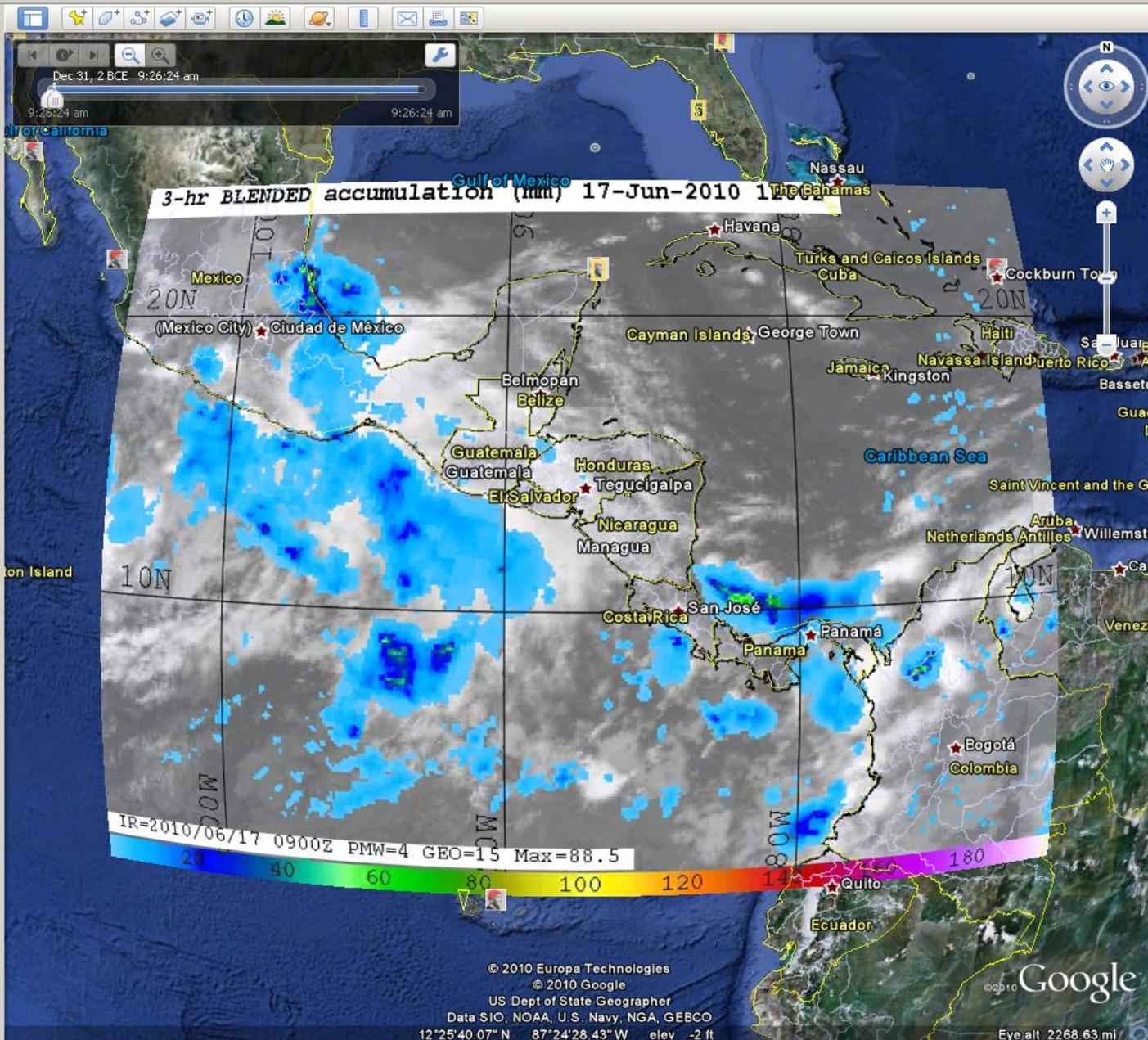
Places

- My Places
- Sightseeing Tour
 - Make sure 3D Buildings layer is checked
- Temporary Places
- kml_animation.php.kml

Layers

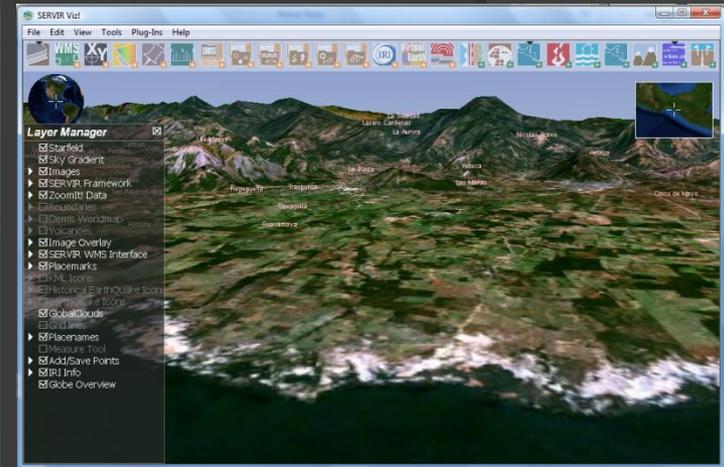
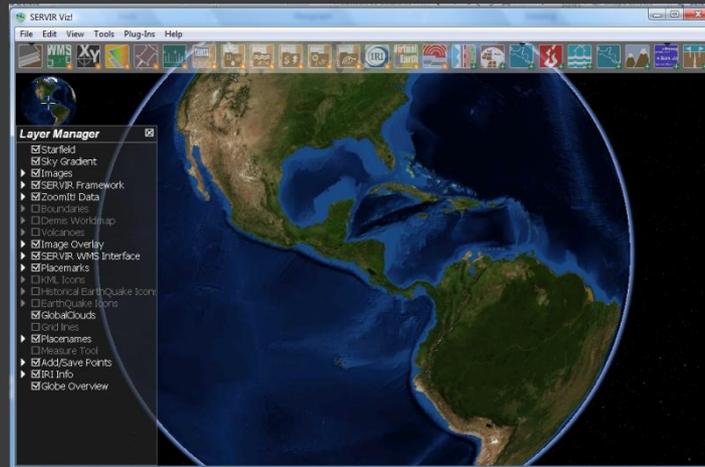
Earth Gallery >>

- Primary Database
- Borders and Labels
- Places of Interest
- Panoramio Photos
- Roads
- 3D Buildings
- Ocean
- Street View
- Weather
- Gallery
- Global Awareness
- More



Exported to Google Earth

SERVIR Viz



- SERVIR Viz is a free, downloadable program that is a modification of NASA World Wind software
- The program looks like Google Earth, but it is specific to Mesoamerica and Africa
- It can be downloaded by clicking the tab “SERVIR Viz” under VISUALIZATIONS and clicking the download link on that page
- SERVIR Viz includes some of the same data and options as the Map Viewer, but has some more options



SERVIR VIZ Toolbar Icon Explanations

	Layer Manager - Turns the Layer Manager on and off in the SERVIR-Viz window. The Layer Manager contains a number of data layers and other features that can be turned on and off.
	SERVIR WMS Interface - Allows SERVIR-Viz to browse SERVIR WMS server archives and their contents.
	Zoom to Location - Zooms SERVIR-Viz to a Latitude and Longitude location based on user input.
	Image Overlay - Allows user to load images including 2D maps onto the SERVIR-Viz terrain.
	Placemarks - Allows user to mark places of interest on the SERVIR-Viz terrain and export the locations to a Google Earth .kml file.
	Measure Tool - Allows user to measure a point to point distance in meters and provides the bearing in degrees.
	GEOSS Decision Support - Provides the user with Global Earth Observation System of Systems (GEOSS) data to look at together and study their interactions on the SERVIR-Viz terrain.
	GEOSS Weather - Provides a direct link to GEOSS weather data to be viewed in SERVIR-Viz.
	GEOSS Ocean/Marine Environments - Provides a direct link to GEOSS ocean and marine environment data to be viewed in SERVIR-Viz.
	GEOSS Disasters - Provides a direct link to GEOSS disaster data to be viewed in SERVIR-Viz.
	GEOSS Climate - Provides a direct link to GEOSS climate data to be viewed in SERVIR-Viz.
	GEOSS Ecology - Provides a direct link to GEOSS ecology data to be viewed in SERVIR-Viz.

	Climate Mapper - The Climate Mapper was developed for SERVIR-Viz to give project designers access to historical weather data as well as projections of climate change. The data are available for an area of about 1/2 degree 1/2 degree, or roughly 50km x 50km near the equator. When you click on the map, the tool will pull data for the grid cell surrounding the point where you clicked and display it as a line graph. The data can be exported to a spreadsheet application.
	IRI Data Access - Allows users to view data provided by The International Research Institute for Climate and Society (IRI), for the African region. In SERVIR Viz, you can view the IRI maps for a given date range, and click on points in Africa to generate graphs for the area. Products include: Malaria Early Warning System, and Desert Locust Area maps.
	Historical Earthquake Query - Allows the user to search USGS Earthquake data with many variables (i.e. geographic area, time, magnitude, etc.) and displays results on the SERVIR-Viz terrain.
	Virtual Earth - Connects to and uses data from Microsoft Local Live databases. This includes street maps, USGS imagery, and hybrid maps. Provides adjustable data visibility levels and an address finder.
	Demis Worldmap - Adds a world map on the SERVIR-Viz terrain that includes hydrography, cities, airports, roads, and relief shading.
	Topo Sheets - Adds topographic maps to the SERVIR-Viz terrain for Mesoamerican countries.
	Vector Layers - Activates the Vector Layers under SERVIR Framework in the Layer Manager. The layers here include Main Roads, Rivers, Lakes, Watersheds, etc.
	Fire Alerts - Activates the Fire Alerts layer under SERVIR Framework in the Layer Manager. The layer includes data from the past 24 hours or the last 7 days.
	Floods - Activates the Floods layer under SERVIR Framework in the Layer Manager. The layer includes data from the last 14 days, labels for the flood areas, and historical data from years past.
	Volcanoes - Activates the Volcanoes layer in the Layer Manager. The layer includes data on volcanoes categorized by the country where they are located. Tooltips about each location are visible when label is hovered over with the cursor. Clicking the label activates a hyperlink to get more specific information.
	Placenames - Labels cities, counties, and countries based on the current zoom level.
	Boundaries - Draws country boundaries and U.S. State boundaries.



Servir WMS Interface

SERVIR - ADD WMS

Data Info

Name: MODAL2_E_AER_OD
 Title: Aerosol Optical Thickn
 Namespace:
 Keywords:
 LL BBox: (-180,-90;180,90)
 EBox: (-180,-90;180,90)
 Supported SRS:
 EPSG: 4326

Server | **Preview** | **Log** | **Options**

Select a Map Service

SERVIR Registered Map URL	Type	Version
http://maps.cathalac.org/wmsconnector/com.esri.wms.Esrimap?ServiceName=data...	WMS	1.1.1
http://maps2.cathalac.org/arcgis/maps3/services/Maps/freshms/MapServer/WMS...	WMS	1.1.1
http://neowms.sci.gsfc.nasa.gov/wms/wms	WMS	1.1.1
http://g0hep12u.ecs.nasa.gov/mapserv-bin/wms_ogc?MAP=TRMMCURRENT	WMS	1.1.1
http://imsdev.iagt.org/wmsconnector/com.esri.wms.Esrimap?ServiceName=Hurrica...	WMS	1.1.1

My Map URL

My Map URL	Type	Version
http://esdevelopment.iagt.org:8080/geoserver/wms	WMS	1.1.1
http://iridl.ldeo.columbia.edu/SOURCES/.NOAA/.NCEP/.CPC/.FEWS/.Africa/.TE...	WMS	1.1.1

http://neowms.sci.gsfc.nasa.gov/wms/wms

Zoom Level On: Global Level | Street Level

Select Data Layer

- Solar Insolation (1 month)
- Solar Insolation (8 day)
- Solar Insolation (1 day)
- 3. Total Rainfall (TRMM)
 - Total Rainfall (1 month - TRMM)
 - Total Rainfall (1 day - TRMM)
- True Color (MODIS)
 - True Color (1 day - Terra/MODIS Rapid Response)
 - True Color (1 day - Aqua/MODIS Rapid Response)
- Vegetation Index [NDVI] (MODIS)
 - Vegetation Index [NDVI] (1 month - Terra/MODIS)
 - Vegetation Index [NDVI] (16 day - Terra/MODIS)
- Water Leaving Radiance (MODIS)
 - Water Leaving Radiance (1 month - Aqua/MODIS)
 - Water Leaving Radiance (8 day - Aqua/MODIS)
 - Water Leaving Radiance (1 day - Aqua/MODIS)
- Water Vapor (MODIS)
 - Water Vapor (1 month - Terra/MODIS)
 - Water Vapor (1 month - Aqua/MODIS)
 - Water Vapor (8 day - Terra/MODIS)
 - Water Vapor (8 day - Aqua/MODIS)

WMS Layer Style: RGB Style

Ready

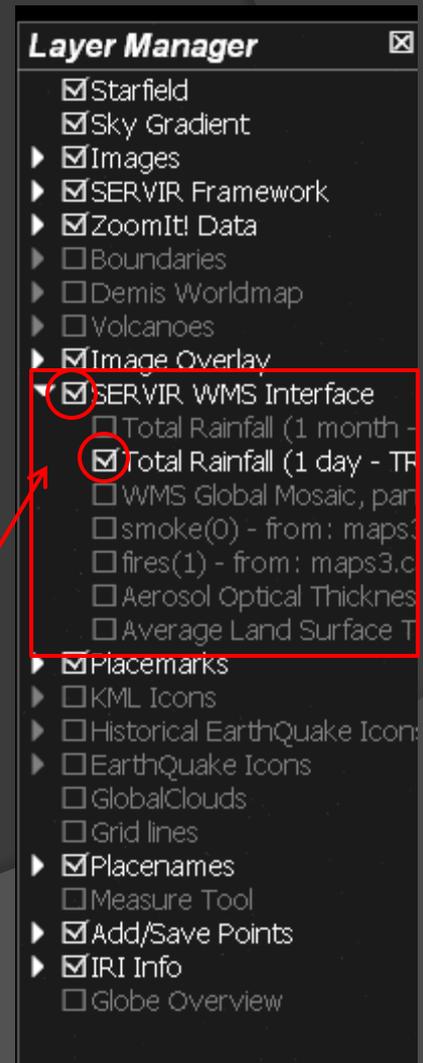
2.

3.

4.

Add to SERVIR Viz!

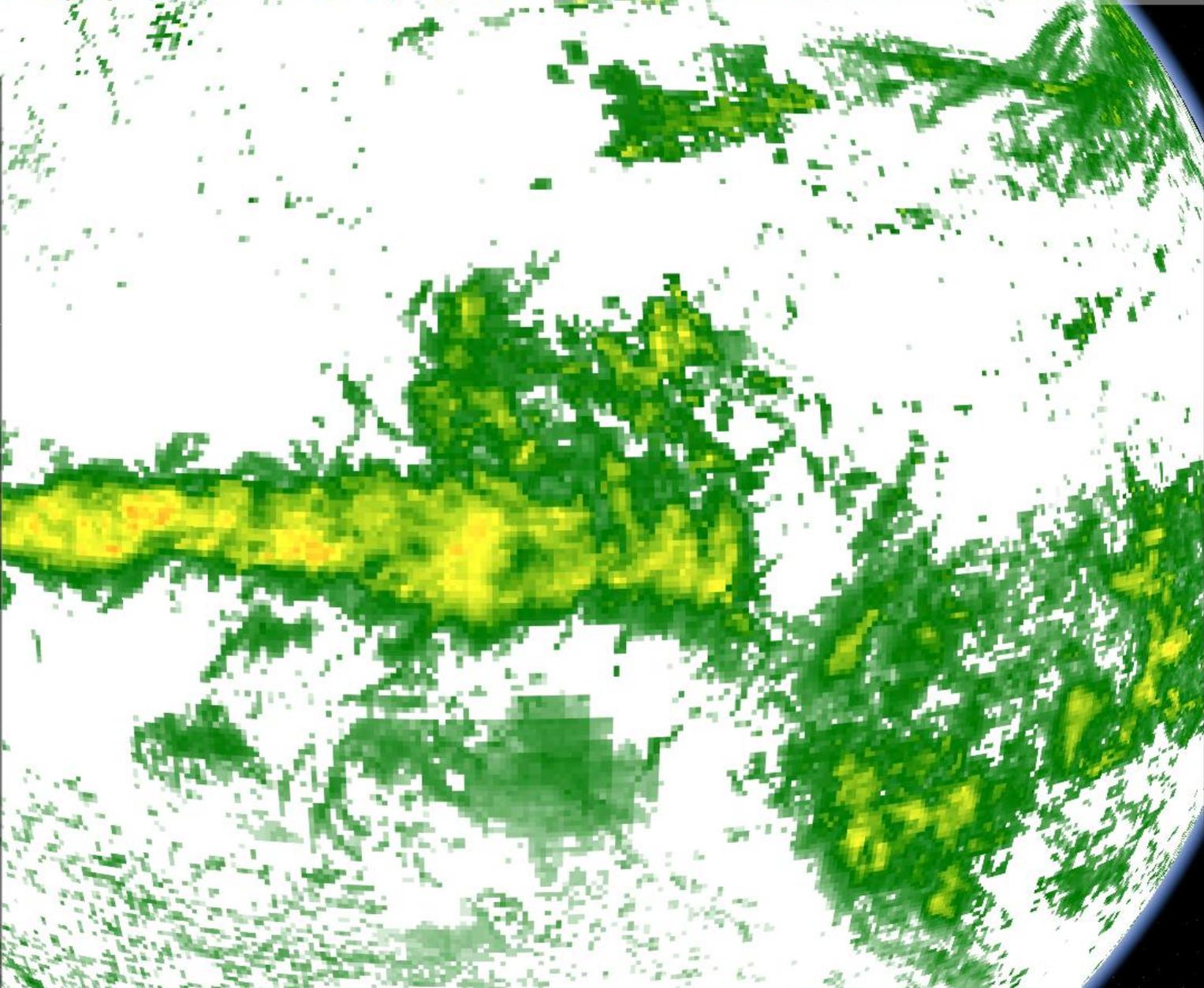
- The WMS Interface has a list of map services that the user can choose from
- The user can also add their own by typing it into the textbox and clicking the + button
- When the user is connected to a service, a list of data layers becomes visible in the bottom textbox
- Here, the user can click on a data layer to view info, preview, and finally “Add to SERVIR Viz!”
- If the layer does not become visible after a few seconds, check to make sure that the “SERVIR WMS Interface” is selected, along with the data layer wanted
 - If the data still cannot be seen, try zooming in and out





Layer Manager [X]

- Starfield
- Sky Gradient
- Images
- SERVIR Framework
- ZoomIt! Data
- Boundaries
- Boundaries (with map)
- Boundaries (with map)
- Image Overlay
- SERVIR WMS Interface
 - Total Rainfall (1 month)
 - Total Rainfall (1 day - TR)
 - WMS Global Mosaic, pan
 - smcke(0) - from maps
 - fires(1) - from maps
 - Aerosol Optical Thickne
 - Average Land Surface T
- Placemarks
 - Local Icons
 - Historical Earthquake Icons
 - Earthquake Icons
 - Global Clouds
 - Grid Lines
- Placenames
 - Measure
- Add/Save Points
- IRI Info
 - Globe Overview



- By clicking the GEOSS Decision Support icon, users can access 3 Hour TRMM data
- Expand the Weather tab, followed by the 3HR TRMM Rain Rate tab
- Select the 3 Hour Average Rain Rate, then select the dates needed, and click the Load button

TRMM data range
10/1/2008 to 12/22/2009

GEOSS Decision Support

Help

- Weather
 - Current Conditions
 - NowCasting
 - Pronóstico del Tiempo (MM5)
 - Accumulated Rainfall
 - 3HR TRMM Rain Rate
 - 3 Hour Average Rain Rate

2009.07.16.15.3B42RT.6.png
2009.12.19.18.3B42RT.6.png
2009.12.19.21.3B42RT.6.png
2009.12.20.00.3B42RT.6.png
2009.12.20.03.3B42RT.6.png
2009.12.20.06.3B42RT.6.png
2009.12.20.09.3B42RT.6.png
2009.12.20.12.3B42RT.6.png
2009.12.20.15.3B42RT.6.png
2009.12.20.18.3B42RT.6.png
2009.12.20.21.3B42RT.6.png
2009.12.21.00.3B42RT.6.png
2009.12.21.03.3B42RT.6.png
2009.12.21.06.3B42RT.6.png
2009.12.21.09.3B42RT.6.png
2009.12.21.12.3B42RT.6.png
2009.12.21.15.3B42RT.6.png
2009.12.21.18.3B42RT.6.png
2009.12.21.21.3B42RT.6.png
2009.12.22.00.3B42RT.6.png
_legend.jpg

Select multiple entries for animations

Opacity

Load

Map Legend:

Data Description:

This map shows the average rain rate of locations over a 3 hour period, in mm/hr. The maps were created from the MergedIR TRMM product (3B42RT). Product is made available by the Institute for the Application of Geospatial Technology). Time is in UTC (Panama -5 hrs; other CA countries -6 hrs).



GEOSS Decision Support

Help

Weather

- Current Conditions
- NowCasting
- Pronóstico del Tiempo (MM5)
- Accumulated Rainfall
- 3HR TRMM Rain Rate

3 Hour Average Rain Rate

2009.07.16.15.3B42RT.6.png
 2009.12.19.18.3B42RT.6.png
 2009.12.19.21.3B42RT.6.png
 2009.12.20.00.3B42RT.6.png
 2009.12.20.03.3B42RT.6.png
 2009.12.20.06.3B42RT.6.png
 2009.12.20.09.3B42RT.6.png
 2009.12.20.12.3B42RT.6.png
 2009.12.20.15.3B42RT.6.png
 2009.12.20.18.3B42RT.6.png
 2009.12.20.21.3B42RT.6.png
 2009.12.21.00.3B42RT.6.png
 2009.12.21.03.3B42RT.6.png
 2009.12.21.06.3B42RT.6.png
 2009.12.21.09.3B42RT.6.png
 2009.12.21.12.3B42RT.6.png
 2009.12.21.15.3B42RT.6.png
 2009.12.21.18.3B42RT.6.png
 2009.12.21.21.3B42RT.6.png
 2009.12.22.00.3B42RT.6.png

_legend.jpg



Select multiple entries for animations

Opacity

Cancel

Map Legend:

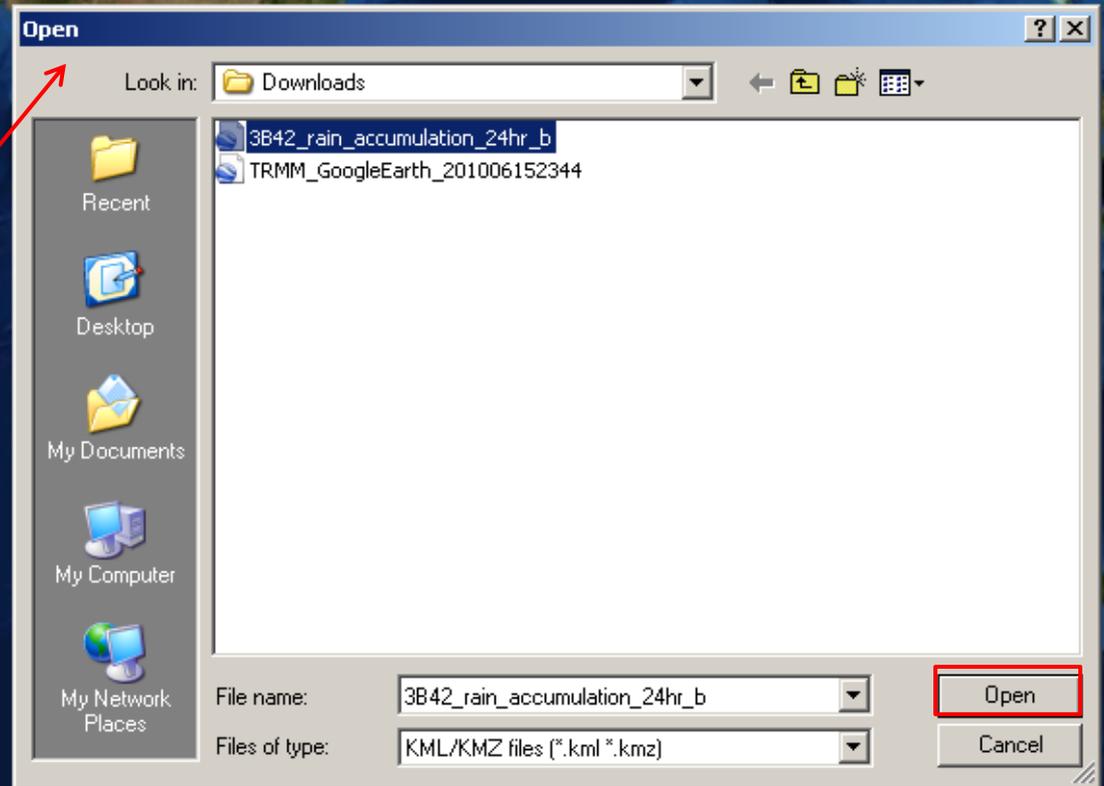
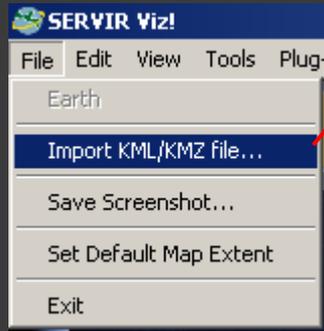
Rain Rate, 3hr (mm/hr)



Data Description:

View Metadata

This map shows the average rain rate of locations over a 3 hour period, in mm/hr. The maps were created from the MergedIR TRMM product (3B42RT). Product is made available by the Institute for the Application of Geospatial Technology). Time is in UTC (Panama -5 hrs; other CA countries -6 hrs).



- Users can also overlay KML/KMZ files in SERVIR Viz
- Click File, Import KML/KMZ file
- Find and select the KML/KMZ file and click open

Anaglyphs

SERVIR is pleased to provide the first set of 3-D "anaglyph" posters of the Central American countries developed from NASA's Shuttle Radar Topography Mission (SRTM). To view these images in 3-D, you need special red/blue anaglyph glasses.

Screen views and full-size anaglyph posters are in JPEG format. The screen views are NOT designed to be viewed in 3D and serve only as a reference. The full size posters can be viewed in 3D on a computer screen at full resolution, but they are ideally designed to be plotted on 36" x 48" paper.

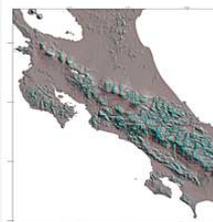
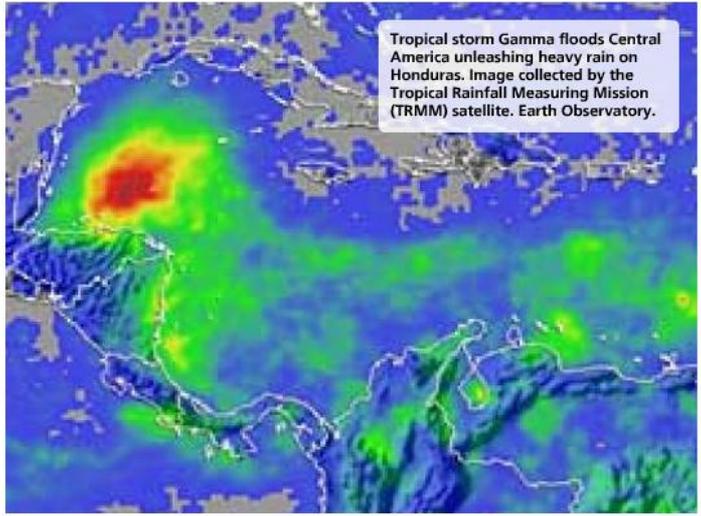
<p>Mesa 3D - Belice Misión de Radar Topográfico del Transbordador Espacial (SRTM)</p>  <p>Belice Screen View (441 KB) Full-size poster (8.33 MB)</p>	<p>Mesa 3D - Costa Rica Misión de Radar Topográfico del Transbordador Espacial (SRTM)</p>  <p>Costa Rica Screen View (392 KB) Full-size Poster (8.97 MB)</p>
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IMAGE GALLERY ABOUT SERVIR

Anaglyphs

Satellite Images

Centroamerica - TRMM

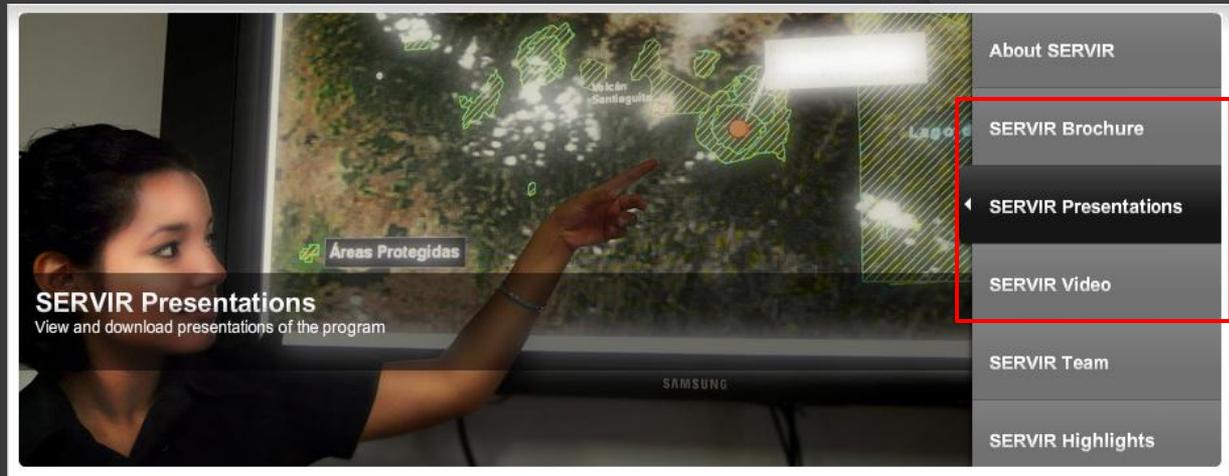


Tropical storm Gamma floods Central America unleashing heavy rain on Honduras. Image collected by the Tropical Rainfall Measuring Mission (TRMM) satellite. Earth Observatory.

1/35 >>> Estas viendo: Galeria

- ⦿ The tab “IMAGE GALLERY” has links to anaglyphs and satellite images of environmental issues
- ⦿ Users can view the anaglyphs and print them

For more information about SERVIR, check out the brochure, presentations, and video



SERVIR Presentations
View and download presentations of the program

SERVIR Program Introductory Presentations

Presentations



SERVIR High Level Overview
[Download here \(2.8 Mb\)](#)



SERVIR Introduction at Presidential Climate Change Summit in Honduras, May 2008
[Download here \(7.2 Mb\)](#)



SERVIR Technical Overview - Products and Services
[Download here \(7.4 Mb\)](#)



Brochures



Introductory SERVIR Video. This video highlights the SERVIR platform and its value to the region.



Use case scenario for SERVIR

Videos



SERVIR tools and data used in mainstream media for daily weather forecasts (in Panama)