Burlington, VT

San Francisco, CA

05061

PDX

Boston

Build your own damn map!

Bozeman, Montana

1600 Pennsylvania Avenue Northwest, Washington D.C

Rocky Mountain National Park

Gulf of Mexico

Machu Picchu

Antarctica

GreenInfo Network

NEURISA Ignite Spatial Vermont
September 22, 2011

Challenge: What to do when a client requests the ability to **edit** the content of **an interactive map without programming**?

For efficiency's sake and ease of use, I turned to Google's Fusion Tables and Maps Javascript API.

Google fusion tables beta

http://www.google.com/fusiontables/Home?pli=1

Search tables

- Home
- Tour
- Example Gallery
- What's New
- Fusion Tables API
- Help Center
- Tutorials
- Request a feature

Gather, visualize and share data online

- Visualize and publish your data as maps, timelines and charts
- Host your data tables online
- Combine data from multiple people

Try It Now

Don't have a Google Account?
Create one now

Google Fusion Tables is a modern data management and publishing web application that makes it easy to host, manage, collaborate on, visualize, and publish data tables online.

What can I do with Google Fusion Tables?

Visualize table data online

- Make a map in minutes
- Host data online - and stay in control
- Play nicely with other data
- Collaborate on the details

Import your own data
Upload data tables from spreadsheets or CSV files, even KML. Developers can use the Fusion Tables API to insert, update, delete and query data programmatically. You can export your data as CSV or KML too.

Visualize it instantly
See the data on a map or as a chart immediately. Use filters for more selective visualizations.

Publish your visualization on other web properties
Now that you've got that nice map or chart of your data, you can embed it in a web page or blog post. Or send a link by email or IM. It will always display the latest data values from your table and helps you communicate your story more easily.

Look at the Fusion Tables Example Gallery

google fusion tables maps javascript api

Advanced search

SafeSearch off ▾

Search

About 3,320,000 results (0.26 seconds)

Everything

Images

Maps

Videos

News

Shopping

More

Randolph Center, VT 05061

Change location

All results

Sites with images

Related searches

Visited pages

Not yet visited

More search tools

▸ **Google Maps Javascript API** V3 Overlays - **Google** Code

code.**google**.com/**apis**/**maps**/documentation/**javascript**/overlays.html - Cached

Note: The **Google Maps Javascript API** Version 3 documented within these pages is **... Fusion Table** Setup; Constructing a **FusionTables** Layer; **Fusion Table ...**

You've visited this page 45 times. Last visit: 9/15/11

Google Fusion Tables API Sample Code - Google Code

code.**google**.com/**apis**/**fusiontables**/docs/sample_code.html - Cached

FusionTablesLayer, **Google Maps API**. **JavaScript** - **Google** Chart Tools. Using the **Google** Chart Tools, you can request data from **Fusion Tables** to use in **...**

You've visited this page 4 times. Last visit: 7/13/11

SQL **API**: Developer's Guide - **Google Fusion Tables API** - Google **...**

code.**google**.com/**apis**/**fusiontables**/docs/developers_guide.html - Cached

The **Google Fusion Tables API** returns query results in this format. **...** The **Google Fusion Tables API** is a set of statements that you can use to search for **..... Map** your data with the **Maps API** and Fusion Tables · Google **Maps Javascript API** V3 **...**

You've visited this page 4 times. Last visit: 7/18/11

Google Maps Javascript API V3 Reference - **Google Maps JavaScript ...**

code.**google**.com/**apis**/**maps**/documentation/**javascript**/reference.html - Cached

Jump to **FusionTablesLayer**: A FusionTablesLayer allows you to display data from a **Google Fusion Table** on a **map**, as a rendered layer. **...**

You've visited this page 15 times. Last visit: 6/28/11

Show more results from code.google.com

FusionTablesLayer : **API Google Maps** V3 - Reference - Developer's **...**

google-maps-api-version-3.touraineverte.com › ... › FusionTablesLayer

Aug 15, 2011 – **Google Maps JS API** V3 Groups, Anglais, Puce Search **FusionTablesLayer** on **Google Maps API** V3 Groups. **Google Maps JS API** V3 Notify **...**

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Constructing a FusionTables Layer

The `FusionTablesLayer` constructor creates a layer from a public Fusion table using the table's unique ID. A Fusion table ID can be found within the `dsrcid` parameter within the Fusion table URL:

```
http://www.google.com/fusiontables/DataSource?dsrcid=fusionTableID
```

To add a Fusion Tables layer to your map, create the layer, passing the correct ID as part of the `query` parameter, and set the layer's `map` to your `Map` object, as with any other overlay. Up to five Fusion Tables layers can be added to a map.

The following example shows homicides within Chicago in 2009 using a public Fusion Table:

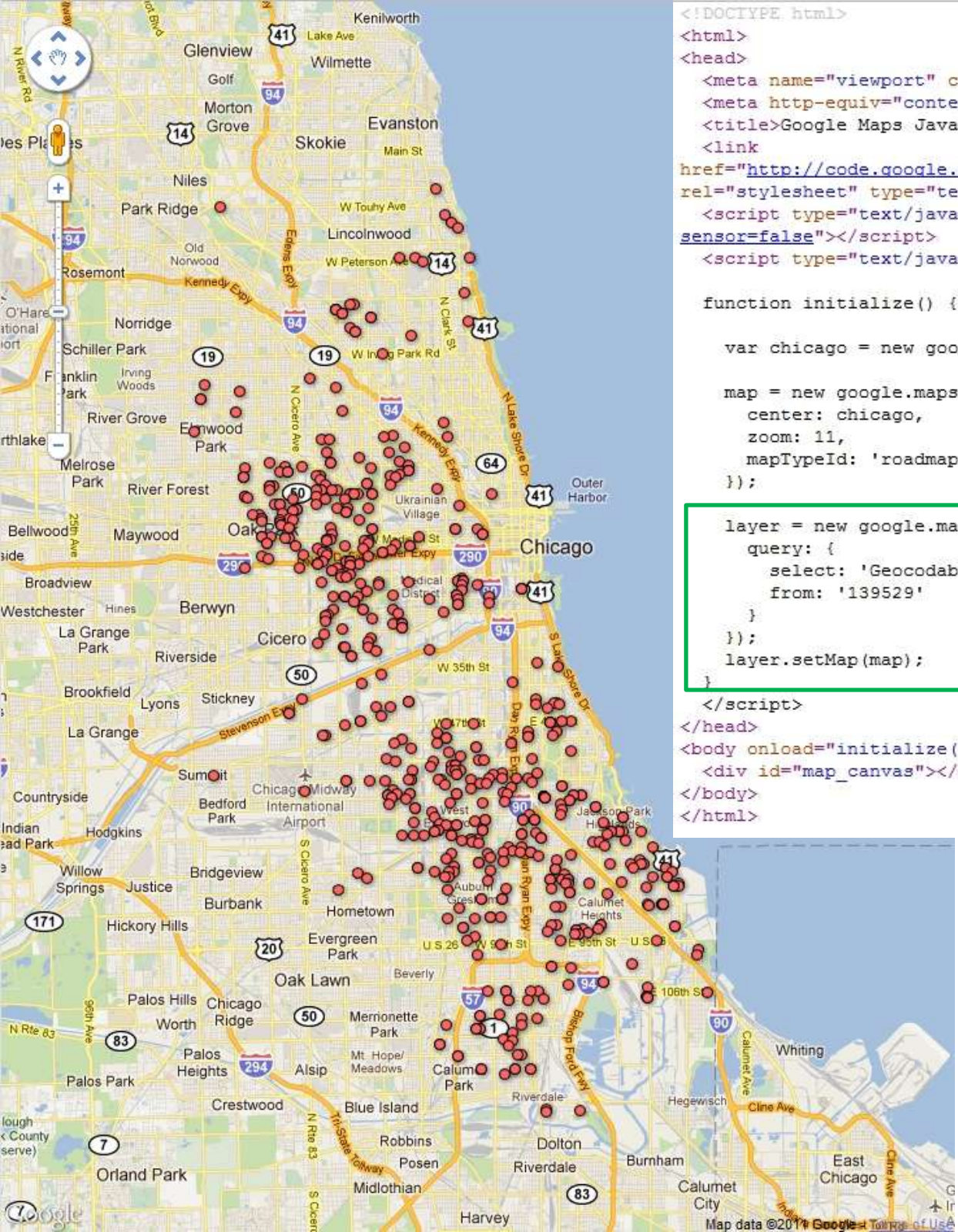
```
var chicago = new google.maps.LatLng(41.850033, -87.6500523);

map = new google.maps.Map(document.getElementById('map_canvas'), {
  center: chicago,
  zoom: 12,
  mapTypeId: 'roadmap'
});

var layer = new google.maps.FusionTablesLayer({
  query: {
    select: 'Geocodable address',
    from: '139529'
  },
});
layer.setMap(map);
```

View Fusion table example (layer-fusiontables-simple.html)

JavaScript - FusionTablesLayer	Using the FusionTablesLayer, you can display data on a Google Map
	• The basics
	  ◦ Basic FusionTablesLayer example
	  ◦ Multiple Layers per map
	  ◦ Heatmap
	• Changing the layer query
	  ◦ Using a select menu
	  ◦ Using a slider
	  ◦ On zoom
	  ◦ Using checkboxes
	  ◦ Autocomplete Textbox
	• Spatial Queries (see also "Working with Geographic Data")
	  ◦ Find features within a radius
	  ◦ Find features within a bounding box
	  ◦ Find the n nearest features
	• Dynamic Styling
	  ◦ Basic Styling Demo
	  ◦ Multiple Columns (with Legend!)
	• Advanced
	  ◦ Custom Info Windows
	  ◦ Info Window with Driving Directions
	  ◦ Custom Marker Icons
	  ◦ Legend
	  ◦ Pan and Zoom to User-Entered Address
	Also check out FusionTablesLayer Builder, which generates all the code necessary to include a Google Map with a Fusion Table Layer on your own website.
		FusionTablesLayer, Google Maps API




```
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="initial-scale=1.0, user-scalable=no" />
  <meta http-equiv="content-type" content="text/html; charset=UTF-8"/>
  <title>Google Maps JavaScript API v3 Example: Fusion Tables Layer</title>
  <link
href="http://code.google.com/apis/maps/documentation/javascript/examples/default.css"
rel="stylesheet" type="text/css" />
  <script type="text/javascript" src="http://maps.googleapis.com/maps/api/js?
sensor=false"></script>
  <script type="text/javascript">

  function initialize() {

    var chicago = new google.maps.LatLng(41.850033, -87.6500523);

    map = new google.maps.Map(document.getElementById('map_canvas'), {
      center: chicago,
      zoom: 11,
      mapTypeId: 'roadmap'
    });

    layer = new google.maps.FusionTablesLayer({
      query: {
        select: 'Geocodable address',
        from: '139529'
      }
    });
    layer.setMap(map);
  }
  </script>
</head>
<body onload="initialize()">
  <div id="map_canvas"></div>
</body>
</html>
```

http://code.google.com/apis/maps/documentation/javascript/examples/layer-fusiontables-simple.html

CF

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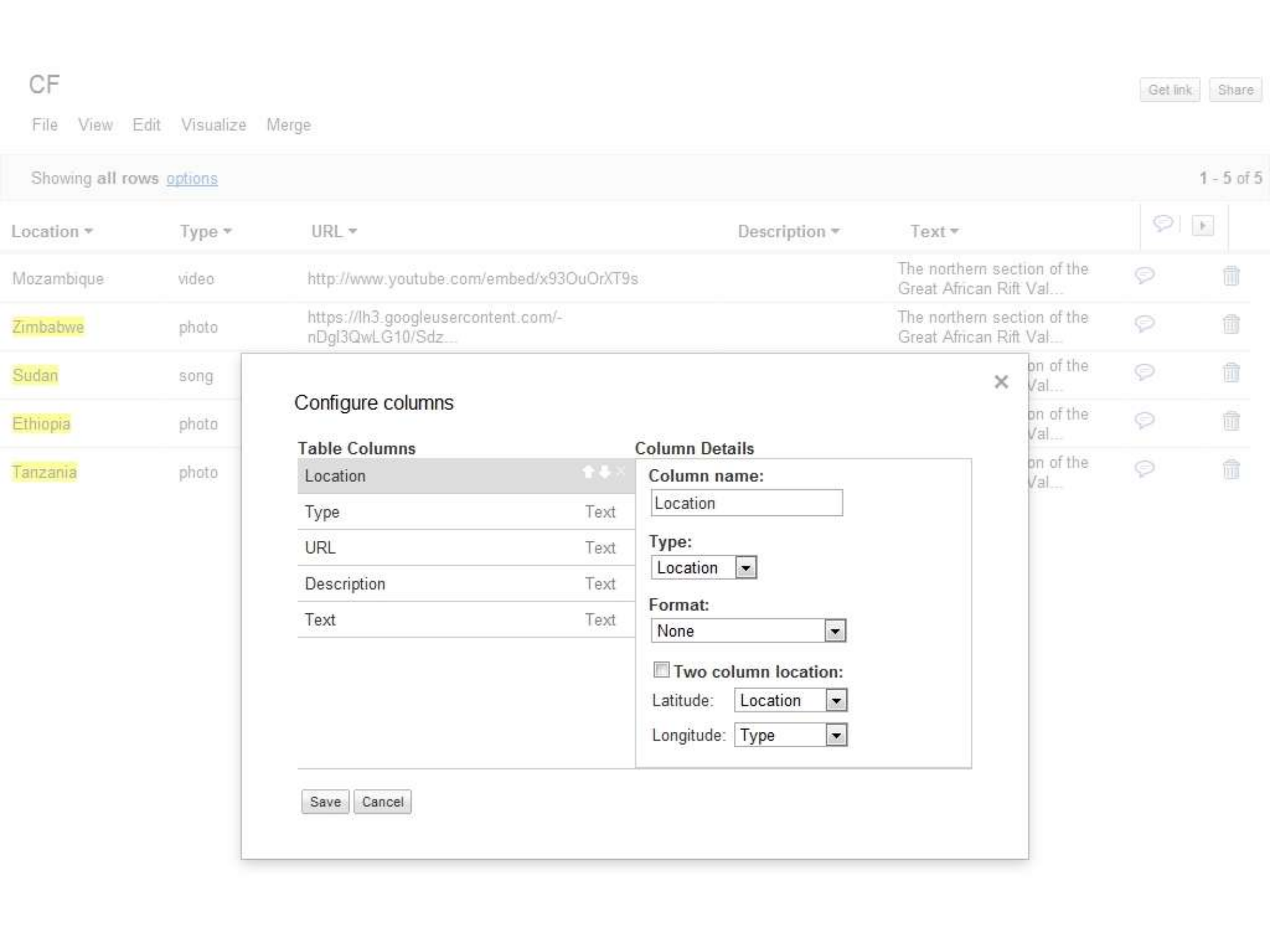
File View Edit Visualize Merge

Showing **all rows** options

1 - 5 of 5

Location	Type	URL	Description	Text
Mozambique	video	http://www.youtube.com/embed/x93OuOrXT9s		The northern section of the Great African Rift Val...
Zimbabwe	photo	https://lh3.googleusercontent.com/-nDgl3QwLG10/Sdz...		The northern section of the Great African Rift Val...
Sudan	song	http://music.djnodj.com/audio/Interstates-Sudan.mp...	Interstates - Sudan	The northern section of the Great African Rift Val...
Ethiopia	photo	https://lh6.googleusercontent.com/-nsQxGmTsg_g/Sv1...		The northern section of the Great African Rift Val...
Tanzania	photo	https://lh3.googleusercontent.com/-cxagciGPLaA/Svn...	Tanzania Elephant	The northern section of the Great African Rift Val...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Share
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Showing all rows options
1 - 5 of 5
Location Type URL Description Text
Mozambique video http://www.youtube.com/embed/x93OuOrXT9s The northern section of the Great African Rift Val...
Zimbabwe photo https://lh3.googleusercontent.com/-nDgl3QwLG10/Sdz... The northern section of the Great African Rift Val...
Sudan song
Ethiopia photo
Tanzania photo
Configure columns
Table Columns
Column Details
Location
Type Text
URL Text
Description Text
Text Text
Column name:
Location
Type:
Location
Format:
None
Two column location:
Latitude: Location
Longitude: Type
Save
Cancel

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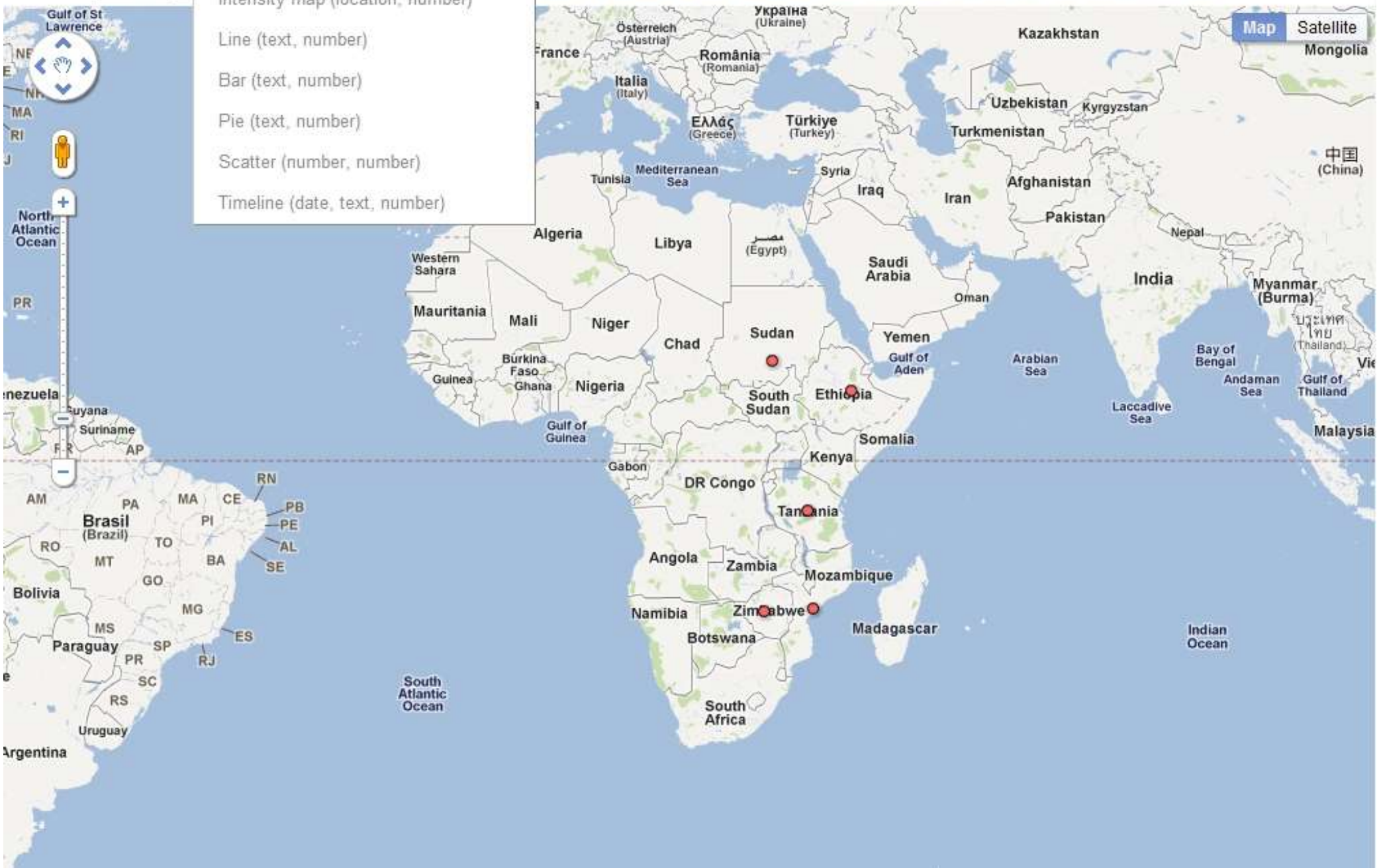
File View Edit Visualize Merge

- Table
- Map
- Intensity map (location, number)
- Line (text, number)
- Bar (text, number)
- Pie (text, number)
- Scatter (number, number)
- Timeline (date, text, number)

Showing **all rows** c

Location Location

window Configure styles Export to KML Get KML network link Get embeddable link



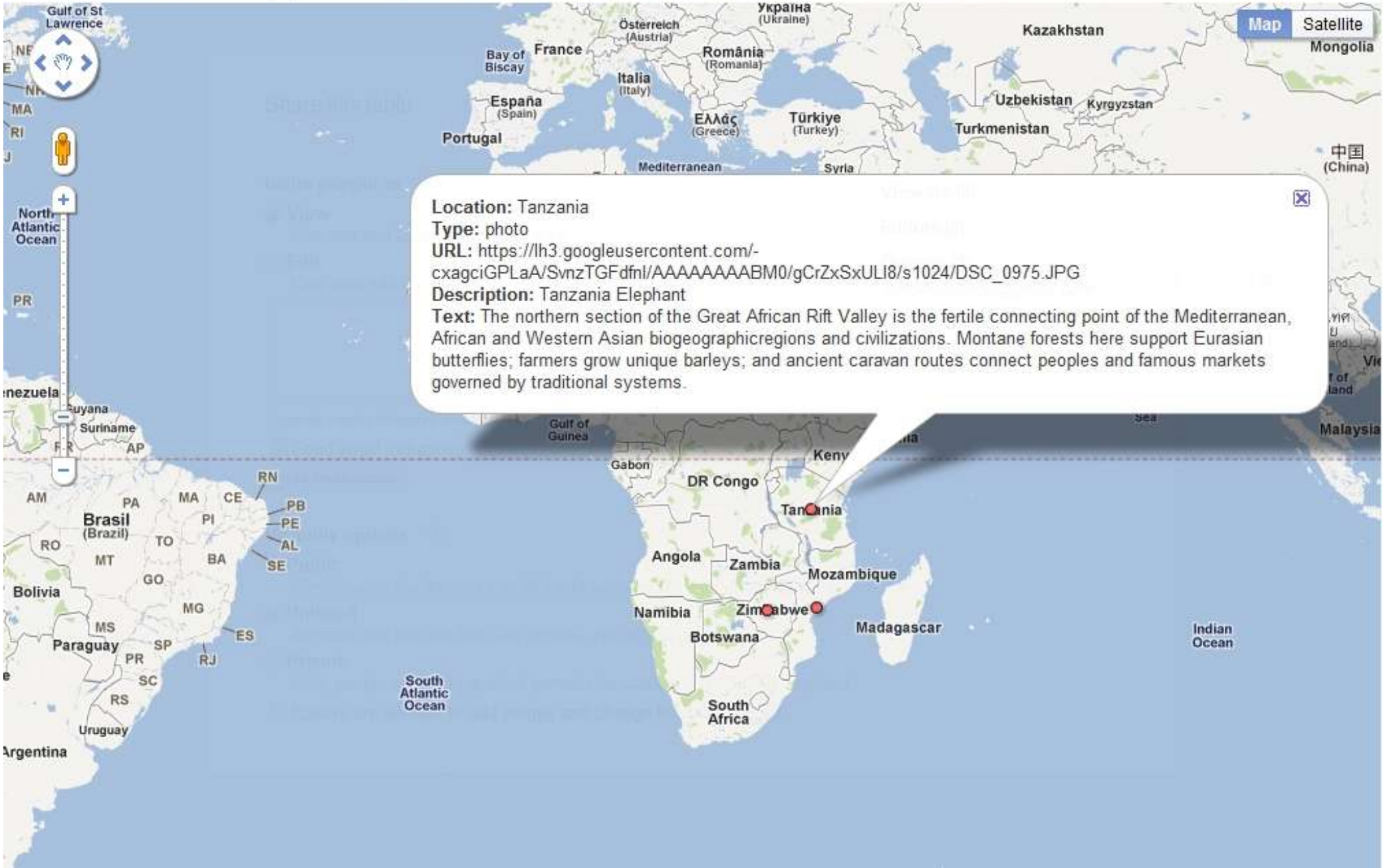
CF

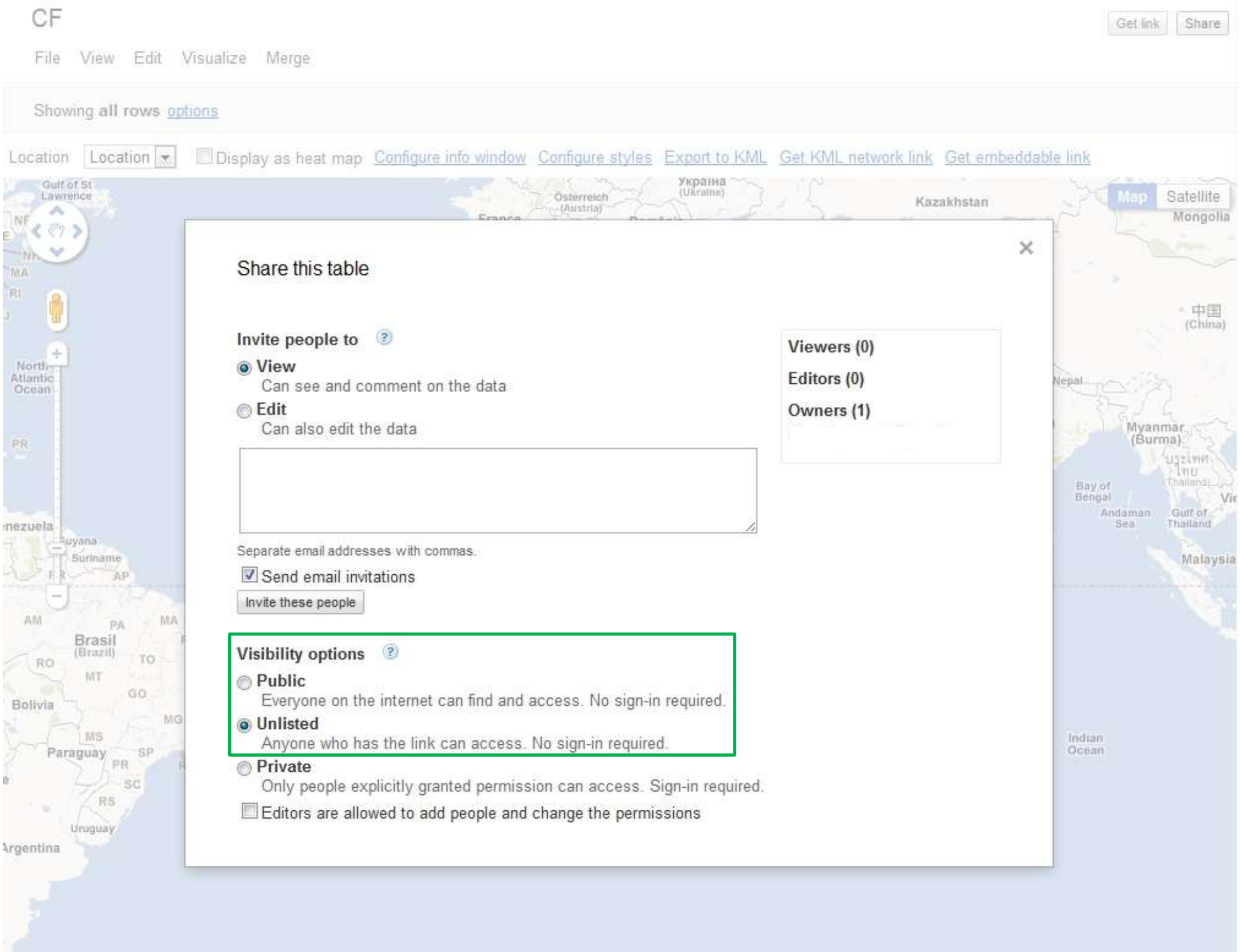
Get link Share

File View Edit Visualize Merge

Showing **all rows** options

Location Location Display as heat map Configure info window Configure styles Export to KML Get KML network link Get embeddable link

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File View Edit Visualize Merge
Showing all rows options
Location Location Display as heat map Configure info window Configure styles Export to KML Get KML network link Get embeddable link
Map Satellite
Share this table
Invite people to
View
Can see and comment on the data
Edit
Can also edit the data
Separate email addresses with commas.
Send email invitations
Invite these people
Viewers (0)
Editors (0)
Owners (1)
Visibility options
Public
Everyone on the internet can find and access. No sign-in required.
Unlisted
Anyone who has the link can access. No sign-in required.
Private
Only people explicitly granted permission can access. Sign-in required.
Editors are allowed to add people and change the permissions

http://googlemapsmania.blogspot.com/2011/02/google-maps-fusion-tables-hacks.html

Google Maps Mania

An unofficial Google Maps blog tracking the websites, mashups and tools being influe

Ads by Google | Google Maps | Custom | Fusion | Data Tables | AD Markers

Wednesday, February 02, 2011

Google Maps & Fusion Tables Hacks

I've been seeing a lot of good Google Maps recently that are using Google Fus
the map date. Google Maps with Fusion Tables can contain bounding box and
queries. These features are built into the Google Maps API V3.

As well as these official features a number of developers have created some
add other features to Fusion Table driven Google Maps.

Map with Sidebar (demo map now removed)

This experimental map from the Natural History Museum includes a great sid
driven by Fusion Tables. Each entry loaded into the sidebar is also an active
the information windows in the Google Map.

Custom Map Markers

This Google Project Hosting example uses the Google Visualization API with Fusion Tables to create a Google Map with custom map markers. Fusion Table maps use the default Google Maps map markers but this code example provides a neat hack to allow you to replace these with your own map marker images.

gmaps-samples
Google Maps API Samples

Search projects

Project Home | Downloads | Wiki | Issues | Source

Checkout | Browse | Changes | Search Trunk

Source path: svn/ trunk/ fusiontables/ custom_markers.html r2515 r2524

Hide details

Change log

r2515 by kbris...@google.com on Jan 10, 2011 Diff
adding custom infowindow example

Go to: fusiontables/custom_markers.html

Older revisions

All revisions of this file

File info

Size: 6264 bytes, 196 lines
View raw file

File properties

svn:mime-type
text/html

```
1  <!DOCTYPE html>
2  <!--
3    copyright (c) 2011 Google inc.
4
5    You are free to copy and use this sample.
6    License can be found here: http://code.google.com/apis/ajaxsearch/faq/#license
7
8  -->
9  <html>
10 <head>
11 <meta name="viewport" content="initial-scale=1.0, user-scalable=no" />
12 <meta http-equiv="content-type" content="text/html; charset=UTF-8"/>
13
14 <title>Google Maps JavaScript API v3 Example: Fusion Tables Layer</title>
15
16 <!-- Style -->
17 <style type="text/css">
18   body { height: 100%; margin: 0px; padding: 10px; }
19   #map_canvas { height: 600px; width: 700px; }
20 </style>
21
22 <!-- Google Maps API javascript -->
23 <script type="text/javascript" src="http://maps.google.com/maps/api/js?sensor=false"></script>
24
25 <!-- Import the visualization javascript -->
26 <script type="text/javascript" src="http://www.google.com/jsapi"></script>
27
28 <!-- Initialize visualization -->
29 <script type="text/javascript">
30   google.load('visualization', '1', {});
31 </script>
32
33 <script type="text/javascript">
34
35 var tableid = 297050; //the table id
36 var map;
37 var geocoder;
```

http://code.google.com/p/gmaps-samples/source/browse/trunk/fusiontables/custom_markers.html?r=2515

http://gmaps-samples.googlecode.com/svn/trunk/fusiontables/custom_markers.html

```
var styleArray = [
    {
      featureType: 'all',
elementType: 'all',
stylers: [
  { saturation: -80 },
  { lightness: -10 }
      ]
    }
  ];

  var mapOptions = {
    zoom: 3,
    center: new google.maps.LatLng(0,30),
    mapTypeId: google.maps.MapTypeId.ROADMAP,
    styles: styleArray
  };
  setData();
  map = new google.maps.Map(document.getElementById('map_canvas'),
    mapOptions);
  }
```

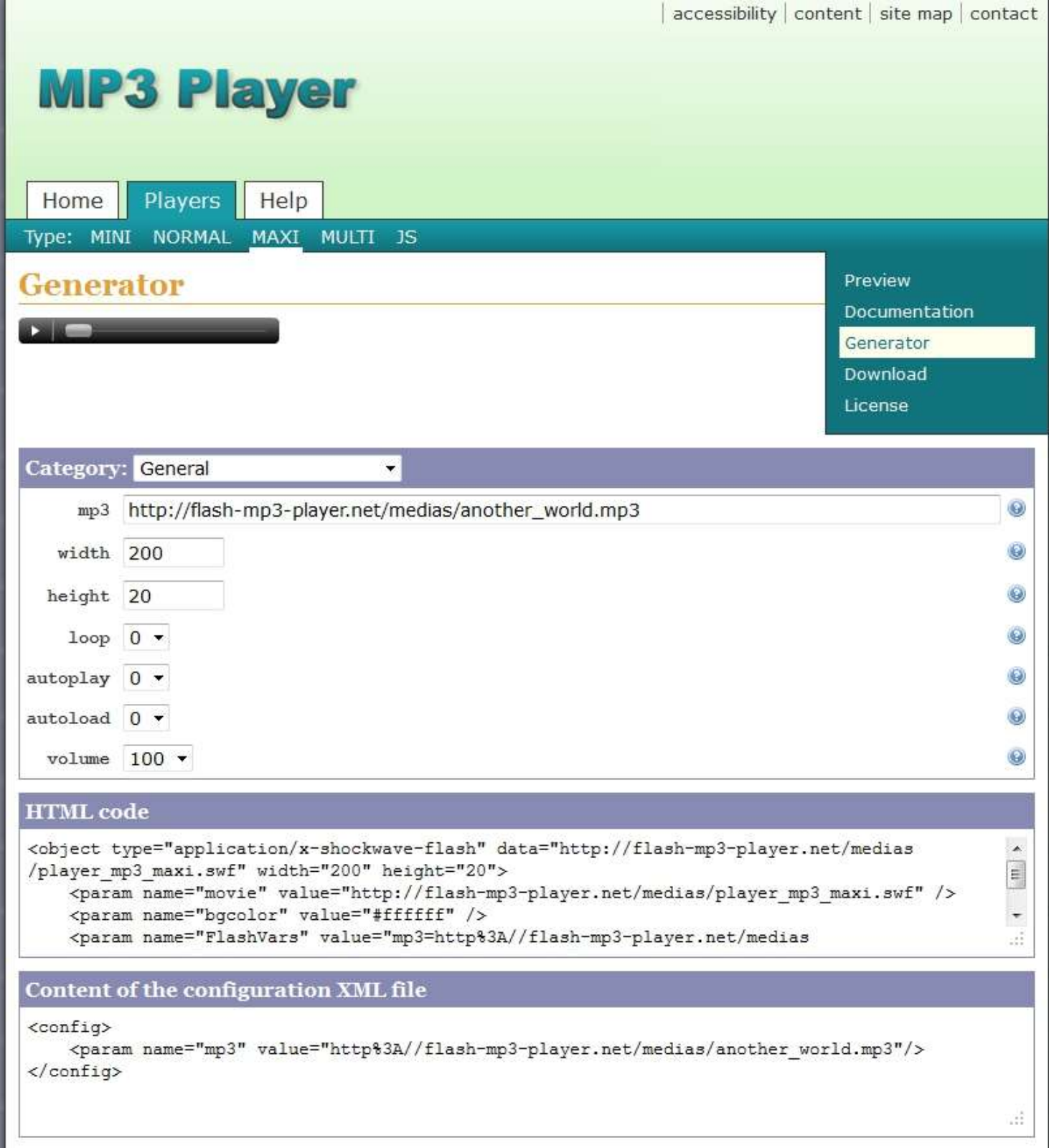
http://code.google.com/apis/maps/documentation/javascript/styling.html

```
function codeAddress(row) {
  geocoder.geocode( { 'address': row[0] }, function(results, status) {
    if (status == google.maps.GeocoderStatus.OK) {
      var coordinate = results[0].geometry.location;

      var image = new google.maps.MarkerImage('http://transfer.greeninfo.org/TS/CF/img/camera.png',
      new google.maps.Size(30, 24),
      new google.maps.Point(0,0),
      new google.maps.Point(12,12));

      var image2 = new google.maps.MarkerImage('http://transfer.greeninfo.org/TS/CF/img/video.png',
      new google.maps.Size(30, 27),
      new google.maps.Point(0,0),
      new google.maps.Point(13.5,13.5));

      var image3 = new google.maps.MarkerImage('http://transfer.greeninfo.org/TS/CF/img/headphones.png',
      new google.maps.Size(30, 30),
      new google.maps.Point(0,0),
      new google.maps.Point(15,15));

    if(row[1] == 'photo'){
      var marker = new google.maps.Marker({
        map: map,
        position: coordinate,
        icon: image
      });
    } else if(row[1] == 'video'){
      var marker = new google.maps.Marker({
        map: map,
        position: coordinate,
        icon: image2
      });
    } else {
      var marker = new google.maps.Marker({
        map: map,
        position: coordinate,
        icon: image3
      });
        }
```

```
    if(row[1] == 'photo'){
contentString = "<div style ='width:400px;background-color:#ffffff; padding:8px 8px; font-family:Arial, sans-serif; margin-top:15px'>"
    contentString += "<div style ='padding:3px 3px'>"
    contentString += "<img class='logo' src='http://transfer.greeninfo.org/TS/CF/img/thumbprint.jpg'></img>"
    contentString += "<div style ='margin-top:5px'>"
    contentString += "<b>" + row[0] + "</b></div></div>"
    contentString += "<div style ='border:1px solid gray;padding:8px 8px;margin-top:8px'>"
    contentString += "<img class ='body' src ='" + row[2] + "' width='200px'></img>"
    contentString += "<p style='display:inline; font-size:small'>" + row[4] + "</p></div></div>"
```

```
    } else if(row[1] == 'video'){
contentString = "<div style ='width:400px;background-color:#ffffff; padding:8px 8px; font-family:Arial, sans-serif; margin-top:15px'>"
    contentString += "<div style ='padding:3px 3px'>"
    contentString += "<img class='logo' src='http://transfer.greeninfo.org/TS/CF/img/thumbprint.jpg'></img>"
    contentString += "<div style ='margin-top:5px'>"
    contentString += "<b>" + row[0] + "</b></div></div>"
    contentString += "<div style ='border:1px solid gray;padding:8px 8px;margin-top:8px'>"
    contentString += "<div id='video'>"
    contentString += "<iframe class='youtube-player' type='text/html' width='380' height='312' src='" + row[2] + "' frameborder='0'></iframe></div>"
    contentString += "<p style='display:inline; font-size:small'>" + row[4] + "</p></div></div>"
```

```
    } else {
contentString = "<div style ='width:400px;background-color:#ffffff; padding:8px 8px; font-family:Arial, sans-serif; margin-top:15px'>"
    contentString += "<div style ='padding:3px 3px'>"
    contentString += "<img class='logo' src='http://transfer.greeninfo.org/TS/CF/img/thumbprint.jpg'></img>"
    contentString += "<div style ='margin-top:5px'>"
    contentString += "<b>" + row[0] + "</b></div></div>"
    contentString += "<div style ='border:1px solid gray;padding:8px 8px;margin-top:8px'>"
    contentString += "<div id='mp3'>"
    contentString += "<p style='display:inline; font-size:small'>Download <a href='" + row[2] + "'><b>" + row[3] + "</b></a></p></br>"
    contentString += "<object style='margin-top:5px' type='application/x-shockwave-flash'
data='http://flash-mp3-player.net/medias/player_mp3_maxi.swf' width='380' height='30'><param name='movie'
value='http://flash-mp3-player.net/medias/player_mp3_maxi.swf' /><param name='bgcolor' value='#ffffff' /><param name='FlashVars' value='mp3=" + row[
2] +
"&amp;width=380&amp;height=30&amp;volume=75&amp;showstop=1&amp;showvolume=1&amp;showloading=never&amp;buttonwidth=30&amp;volumeheight=8&amp;bgcolor1=
d4d5c3&amp;bgcolor2=d4d5c3&amp;slidercolor1=838383&amp;slidercolor2=838383&amp;sliderovercolor=a2a2a2&amp;buttoncolor=000000&amp;buttonovercolor=a2a2
a2'/></object></div>"
    contentString += "<p style='display:inline; font-size:small'>" + row[4] + "</p></div></div>"
    }
```



http://flash-mp3-player.net/

google-maps-utility-library-v3

Open source project to be a central repository of utility libraries that can be used with the Google Maps API JavaScript v3.

Search projects

Project Home | Downloads | Wiki | Issues | Source

Search Current pages for Search

Libraries

List of libraries here and quick links to them

Below is a list of the libraries being worked on in this project, with links to th

KeyDragZoom

This class allows a user to zoom in to an area on the map by holding down a
2.0 adds an optional visual control for turning zoom mode on and off.

Browse Released Versions or Development Versions.

InfoBox

This class behaves like google.maps.InfoWindow, but it supports several a
as a map label.

Browse Released Versions or Development Versions.

MarkerClusterer

The library creates and manages per-zoom-level clusters for large amounts c

Browse Released Versions.

```
var myOptions = {
     content: contentString
    ,disableAutoPan: false
    ,maxWidth: 0
    ,pixelOffset: new google.maps.Size(-140, 6)
    ,zIndex: null
    ,boxStyle: {
      background: "url('img/tipbox.gif') no-repeat"
      ,opacity: 1
      ,width: "375px"
     }
    ,closeBoxMargin: "21px -35px 5px 5px"
    ,closeBoxURL: "http://www.google.com/intl/en_us/mapfiles/close.gif"
    ,infoBoxClearance: new google.maps.Size(60, 100)
    ,isHidden: false
    ,pane: "floatPane"
    ,enableEventPropagation: false
};

google.maps.event.addListener(marker, 'click', function() {
if(ib) {ib.close()}
ib = new InfoBox(myOptions);
ib.open(map, marker);
});

google.maps.event.addListener(map, "click", function(){
ib.close();
});
```

http://code.google.com/p/google-maps-utility-library-v3/wiki/Libraries

Programs

African Rift Valley
Central Asia and Turkey
Greater Southwest
Melanesia
Northern Australia
Global Program
San Francisco Bay Area

PROGRAMS

The Christensen Fund pursues its mission mainly through place-based investments in a small number of regions with exceptional cultural and biological diversity. The focus on specific regions reflects both the practical value we see in supporting the efforts of locally-recognized community stewards and custodians, as well as a belief that the regions selected are important to the long term future of diversity on the planet. Approximately three quarters of Christensen's grantmaking funds is focused within five regional programs. For information about how we selected these regions, and our theory of change, see: Our Regional Approach.