



Allegany County Planning 2.0

Mid-Atlantic User Group
December 6, 2011

Elizabeth Stahlman & Greg Hildreth



Purpose

To Simplify Public
Comment Process
on Land Use

- Encourage public involvement in comprehensive planning process
- Quick and simple
- Increase staff efficiency
- ↑ involvement =
↑ confidence

Land Use

Existing Land Use
Future Land Use



Why 2.0?

The rise of Government 2.0 signals the emergence of IT innovation and the Web as a platform for fostering efficiencies within government and citizen participation (*Gov 2.0 Expo*)

Social Media and the GeoWeb Deliver Participatory Planning

Ahmed Abukhater



Planning 2.0—The Next Generation of Planning Support Systems

Planners constantly make decisions and have to think on their feet. Though the voices of elected leaders and officials ring loudly in their minds, planners must be careful to listen closely to the voices of the citizens they serve. Planning for the people requires involving communities from the very onset of the planning process, which must be comprehensible, transparent, legitimate, and interactive. When planners fail to engage communities and only follow the status quo, the outcomes are undesirable at best.

To engage citizens today, it is imperative to communicate in new ways and provide collaborative decision-making platforms. Effectively exchanging information in planning means expanding the communication footprint, moving beyond technical jargon and the resulting language boundaries. It also means holding conversations outside the traditional in-person community meetings and forums to reach across the whole community.

Social media tools and the GeoWeb answer this call and planners are already utilizing these Web 2.0 technologies to create effective planning support systems (PSS) platforms that cater to planning processes and workflow needs. This emerging Planning 2.0 environment fosters the bidirectional citizenry participation that is so critical today. Open, accountable, interactive government takes us to a higher level of democracy, where citizens are empowered in new, bold ways to help shape the decision-making process and define desired future conditions. For this to happen on a broad scale, a profound transformation in the way planners conduct their business is required.

ABOUT THE AUTHOR

Ahmed Abukhater



Dr. Ahmed Abukhater, ESF, is Esri's community development, industry manager and the lead architect of Esri's global marketing strategies in planning and economic development. As a noted planner, expert, practitioner, educator, and advocate, he strives to promote a holistic approach to addressing community development needs across a multiscalar range of sectors.



gov20.govfresh

open government dispatches from Alex Howard

BUZZ

Planning 2.0: A Collaborative Platform for Actionable Intelligence

gov2.0 EXPO MAY 25-27, 2011
WASHINGTON CONVENTION CENTER
WASHINGTON, D.C.
Participation, Collaboration & Transformation

Open Government
Collaboration, Transparency, and Participation in Practice
Edited by Daniel Lathrop & Laurel Ruma
Foreword by Don Tapscott
O'REILLY

gov2.0 SUMMIT
Grand Hyatt Washington
Washington, DC

GOV_{2.0} READY
Microsoft

Get started with
Open Government

Development



- Flex 2.1 API
- Adobe Flash Builder 4 Standard
- ArcGIS for Server 10 Enterprise Standard
- ArcGIS Viewer for Flex (template)

DEMO












CODE

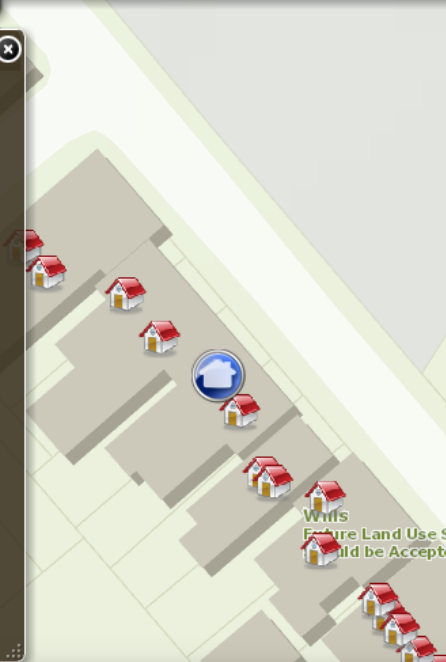
PLANNING 2.0

allegany county, md

No. 1: Find Your Property

Click on an item listed below to zoom to that point. Features selected: 219

-  Address: 521 N CENTRE ST
-  Address: 165 N CENTRE ST
-  Address: 404 N CENTRE ST
-  Address: 509 N CENTRE ST
-  Address: 530 N CENTRE ST
-  Address: CENTRE ST
-  Address: 190 N CENTRE ST
-  Address: 428 N CENTRE ST
-  Address: 186 1/2 N CENTRE ST
-  Address: 451 N CENTRE ST
-  Address: 504 N CENTRE ST



```
Flash - FlexViewerLandUse/src/widgets/Search/SearchWidget.mxml - Flash Builder
File Edit Source Navigate Search Project Data Run Window Help
config.xml SearchWidget.mxml SearchWidget_AC.xml
Source Design Show state: All states
868     var infoData:Object = gra.attributes;
869
870     this.showInfoWindow (infoData);
871 }
872
873 private function clear():void
874 {
875     graphicsLayer.clear();
876     clearMessage();
877     txtSearch.text = "";
878     if (searchResultAC)
879     {
880         searchResultAC.removeAll();
881     }
882     this.showInfoWindow(null);
883 }
884
885 private var hitimer:uint;
886
887 /* private function mouseOverSearchResult(event:Event):void
888 {
889     clearTimeout(hitimer);
890     hitimer = setTimeout(showHighlight, 500, [ itemRenderer(event.target)
891 }
892
893 private function mouseOutSearchResult(event:Event):void
894 {
895     clearTimeout(hitimer);
896 }
897
898 private function clickSearchResult(event:Event):void
899 {
900     searchResult = ItemRenderer(event.target).data as SearchResult;
901     var selectedMarkerSymbol:Symbol = new PictureMarkerSymbol(ICON_URL +
902     searchResult.symbol = selectedMarkerSymbol;
903     searchResX = searchResult.point.x;
904     searchResY = searchResult.point.y;
905     if (map.scale > zoomScale)
906     {
```

```
1<?xml version="1.0" ?>
2<configuration>
3  <layers>
4    <layer>
5      <name>Address</name>
6      <url>http://arcgis.allconet.org/ArcGIS/rest/services/StructureNumbers/MapServer/0</url>
7      <expression>ADDRESS LIKE '%[value]%'</expression>
8      <textsearchlabel>Search by Address [ Ex.: 12700 New School Rd NW ]</textsearchlabel>
9      <titlefield>PARCELID</titlefield>
10     <fields all="false">
11       <field name="ADDRESS" alias="Address"/>
12     </fields>
13   </layer>
14   <layer>
15     <name>Property ID</name>
16     <url>http://arcgis.allconet.org/ArcGIS/rest/services/Parcels/MapServer/0</url>
17     <expression>ACCTID = '[value]%'</expression>
18     <textsearchlabel>Search for Parcel [ Ex.: 0106003362 ]</textsearchlabel>
19     <titlefield>ACCTID</titlefield>
20     <linkfield></linkfield>
21     <fields all="false">
22       <field name="MAP" alias="Map"/>
23       <field name="PARCEL" alias="Parcel"/>
24       <field name="LOT" alias="Lot"/>
25     </fields>
26   </layer>
27 </layers>
28 <zoomscale>1200</zoomscale>
29 <info>widgets/InfoTemplates/InfoPopupWidget.swf</info>
30</configuration>
```



No. 1: Find Your Property


Features selected: 0

Click on an item listed below to zoom to that point.

No results were returned. Try your search again without suffixes and make sure all prefixes are abbreviated [Ex.: 105 S Centre] or search the street name by itself [Ex.: Centre] and select your address from the list. Click on the binoculars at the top of this box to return to your search.


```

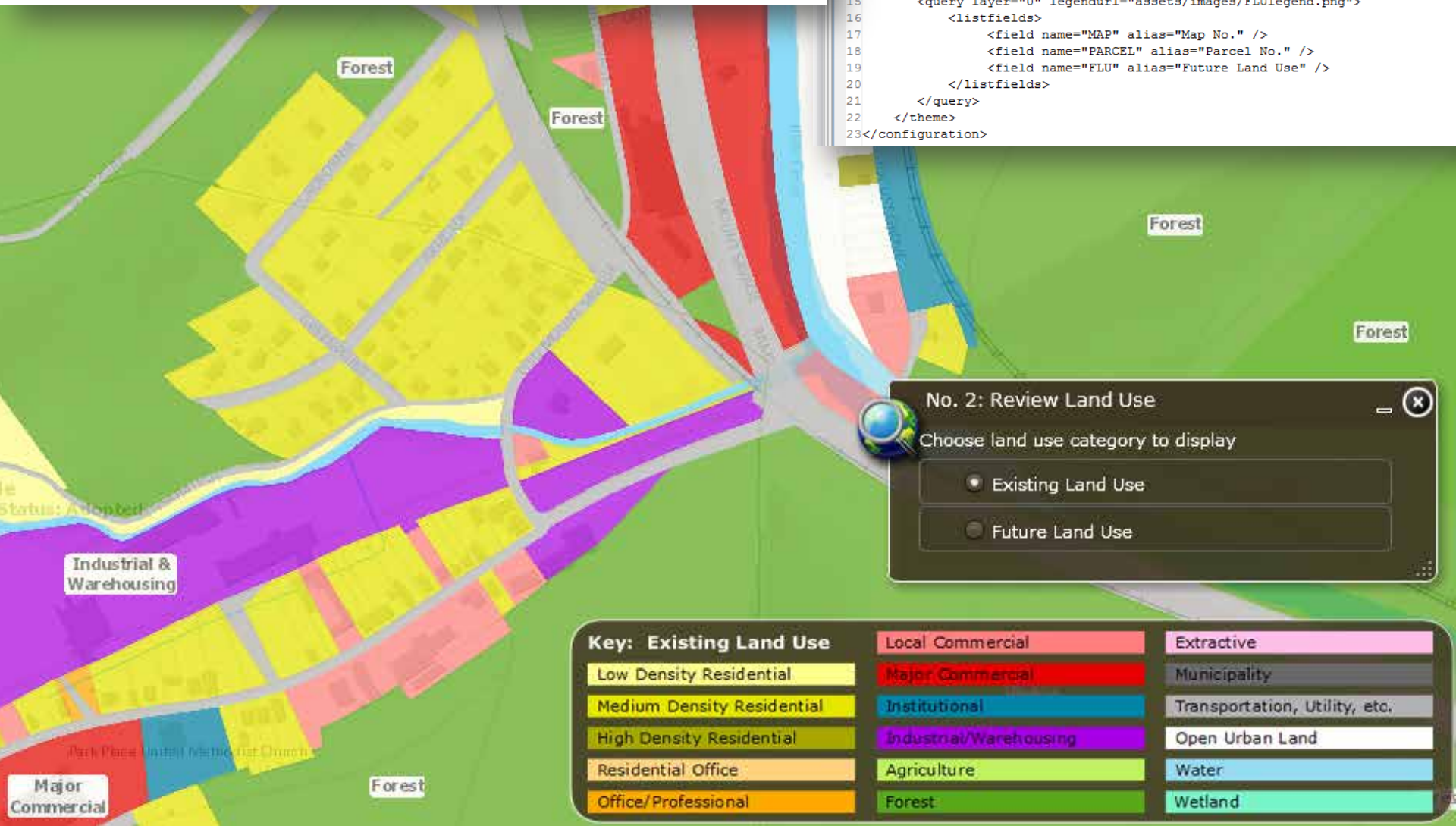
/* private function onMapClick (event:MapMouseEvent):void
{
    clearSelectionAndHideInfoWindow();
    var currentLocation:MapPoint = event.mapPoint;
    currentQueryParameter = getCurrentQueryParameter(currentOperationalLayer);
    //if matching query layer found, do query.
    if (currentQueryParameter)
    {
        doQuery(currentLocation, currentQueryParameter);
    }
}
*/

```

```

1<?xml version="1.0" ?>
2<configuration>
3    <info>widgets/Samples/ThematicQuery/InfoColumnChartWidget.swf</info>
4    <!-- labelref should match the label of the operational layer's label in
5    <theme labelref="Existing Land Use" >
6        <query layer="0" legendurl="assets/images/ELUlegend.png" > <!-- layer
7            <listfields>
8                <field name="MAP" alias="Map No." />
9                <field name="PARCEL" alias="Parcel No." />
10               <field name="ELU" alias="Existing Land Use" />
11            </listfields>
12        </query>
13    </theme>
14    <theme labelref="Future Land Use" >
15        <query layer="0" legendurl="assets/images/FLUlegend.png">
16            <listfields>
17                <field name="MAP" alias="Map No." />
18                <field name="PARCEL" alias="Parcel No." />
19                <field name="FLU" alias="Future Land Use" />
20            </listfields>
21        </query>
22    </theme>
23</configuration>

```



PlanningComments.mxd - ArcMap - ArcSDE

File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

1:80,843

Table Of Contents

- Layers
 - Public Comments
 - Comment Type
 - Existing Land Use
 - Future Land Use
 - General Comment

Feature Service .mxd

Layer Properties

General Source Selection Display Symbology Fields Definition Query Labels Joins & Relates Time HTML Popup

Definition Query:

```
C_TEXT IS NULL AND OWNER_NAME IS NULL AND OWN_PHONE IS NULL AND OWN_EMAIL IS NULL
```

Query Builder... Search Order...

OK Cancel Apply

Drawing 780294.603 650536.965 Feet

PlanningReview.mxd - ArcMap - ArcSDE

File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

1:35,085

Table Of Contents

- Layers
 - Comment Review Status
 - Comment Type
 - Existing Land Use
 - Future Land Use
 - General Comment

Map Service .mxd

Layer Properties

General Source Selection Display Symbology Fields Definition Query Labels Joins & Relates Time HTML Popup

Definition Query:

Query Builder... Search Order...

OK Cancel Apply

Submitted

Resolved

Resolved

Drawing 793022.568 722991.804 Feet

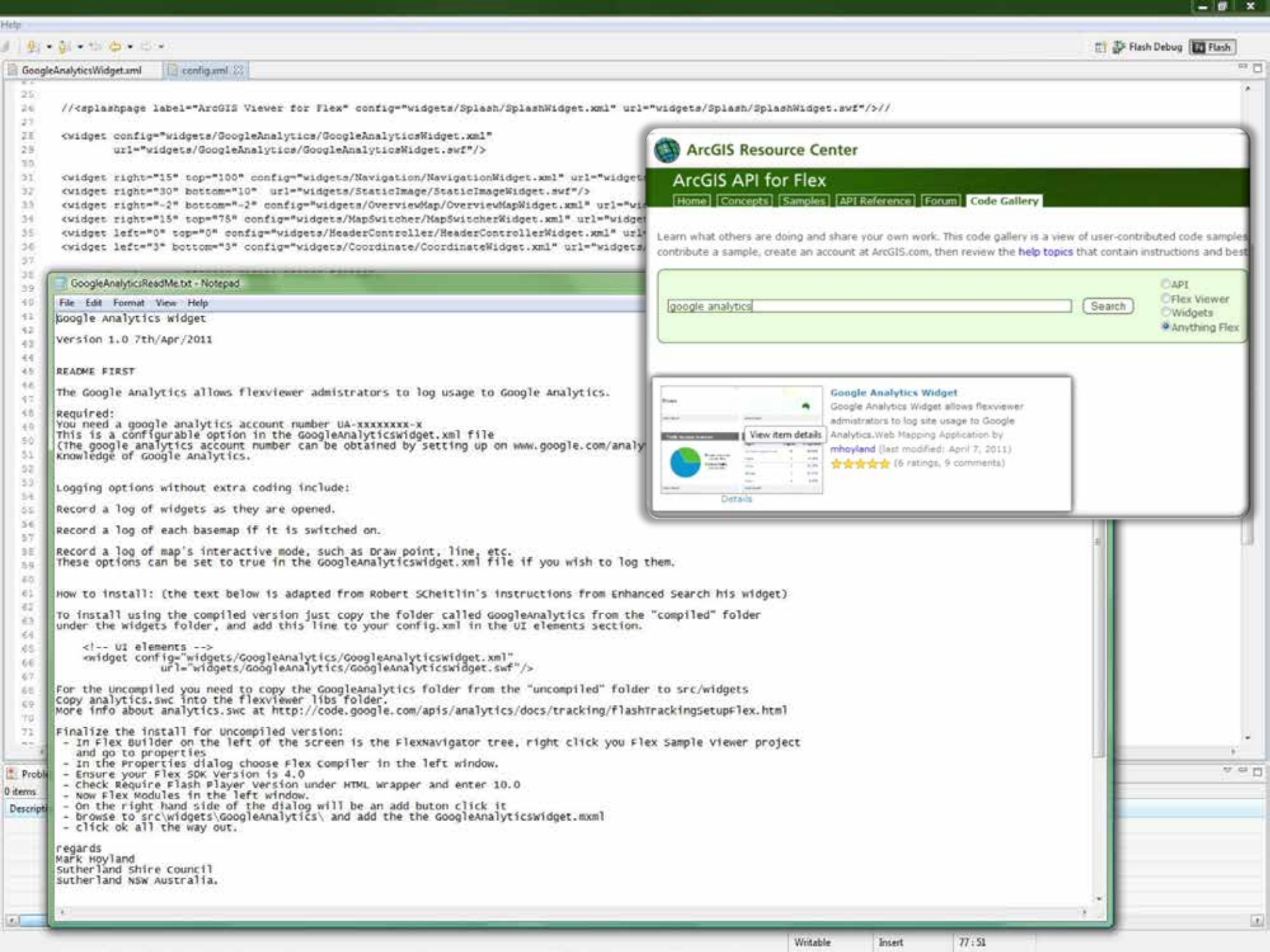
```
Flash - FlexViewerLandUse/src/widgets/Samples/SourceInfo/SourceInfoWidget.mxml - Flash Builder
File Edit Source Navigate Search Project Data Run Window Help
GoogleAnalyticsWidget.xml config.xml SourceInfoWidget.mxml
Source Design
30 // class constructor: creates the map and the range of map coordinates to view
31 private function init():void
32 {
33     /* Security.loadPolicyFile("http://192.168.33.42/CrossDomain.xml"); */
34
35
36     if (configXML) // checking for valid content in the configuration file
37     {
38         lbl.text = configXML.content || getDefaultString("helloContent");
39     }
40 }
41
42
43
44 ]]>
45 </fx:Script>
46
47
48 <viewer:WidgetTemplate id="helloWorld"
49     height="550" width="400">
50     <viewer:layout>
51         <s:VerticalLayout horizontalAlign="left" verticalAlign="middle"/>
52     </viewer:layout>
53
54     <s:Label id="lbl"
55         fontSize="12"
56         fontStyle="italic"
57         fontWeight="bold"/>
58
59     <mx:Text width="100%" text="Existing Land Use - Current Land Use designation as determined by field inspections and interpretation of aerial photography (subject to change)"/>
60
61     <mx:Text width="100%" text="Future Land Use - Draft data of projected Future Land Use (subject to change)"/>
62
63     <mx:Text width="100%" text="Planning Regions - Watershed-based Comprehensive Planning Regions"/>
64
65     <mx:Text width="100%" text="Zoning - As designated by County Land Development Services (unofficial)"/>
66
67     <mx:Text width="100%" text="County Utilities - Digitized from as-built contract drawings"/>
68
69     <mx:Text width="100%" text="Soils - NRCS Soil Survey"/>
70
71     <mx:Text width="100%" text="Percent Slope - Generated from 10ft DEM"/>
72
73 </viewer:WidgetTemplate>
74 </viewer:BaseWidget>
75
```

The map displays a geographical area with various land use designations. A 'Source Information' popup window is overlaid on the map, providing details about the data sources used for the visualization. The popup includes a title 'Data Source Information' and a list of sources with brief descriptions.

Source Information

Data Source Information

- Existing Land Use - Current Land Use designation as determined by field inspections and interpretation of aerial photography (subject to change)
- Future Land Use - Draft data of projected Future Land Use (subject to change)
- Planning Regions - Watershed-based Comprehensive Planning Regions
- Zoning - As designated by County Land Development Services (unofficial)
- County Utilities - Digitized from as-built contract drawings
- Soils - NRCS Soil Survey
- Percent Slope - Generated from 10ft DEM



```
25
26 //<splashpage label="ArcGIS Viewer for Flex" config="widgets/Splash/SplashWidget.xml" url="widgets/Splash/SplashWidget.swf"/>
27
28 <widget config="widgets/GoogleAnalytics/GoogleAnalyticsWidget.xml"
29       url="widgets/GoogleAnalytics/GoogleAnalyticsWidget.swf"/>
30
31 <widget right="15" top="100" config="widgets/Navigation/NavigationWidget.xml" url="widgets
32 <widget right="30" bottom="10" url="widgets/StaticImage/StaticImageWidget.swf"/>
33 <widget right="-2" bottom="-2" config="widgets/OverviewMap/OverviewMapWidget.xml" url="wi
34 <widget right="15" top="75" config="widgets/MapSwitcher/MapSwitcherWidget.xml" url="widget
35 <widget left="0" top="0" config="widgets/HeaderController/HeaderControllerWidget.xml" url=
36 <widget left="3" bottom="3" config="widgets/Coordinate/CoordinateWidget.xml" url="widgets
```

GoogleAnalytics:ReadMe.txt - Notepad

File Edit Format View Help

google analytics widget

Version 1.0 7th/Apr/2011

README FIRST

The Google Analytics allows flexviewer administrators to log usage to Google Analytics.

Required:
You need a google analytics account number UA-xxxxxxx-x
This is a configurable option in the GoogleAnalyticsWidget.xml file
(The google analytics account number can be obtained by setting up on www.google.com/analytics
Knowledge of Google Analytics.

Logging options without extra coding include:

- Record a log of widgets as they are opened.
- Record a log of each basemap if it is switched on.
- Record a log of map's interactive mode, such as Draw point, line, etc.

These options can be set to true in the GoogleAnalyticsWidget.xml file if you wish to log them.

How to install: (the text below is adapted from Robert Scheitlin's instructions from Enhanced Search his widget)

To install using the compiled version just copy the folder called GoogleAnalytics from the "compiled" folder under the widgets folder, and add this line to your config.xml in the UI elements section.

```
<!-- UI elements -->
<widget config="widgets/GoogleAnalytics/GoogleAnalyticsWidget.xml"
url="widgets/GoogleAnalytics/GoogleAnalyticsWidget.swf"/>
```

For the uncompiled you need to copy the GoogleAnalytics folder from the "uncompiled" folder to src/widgets
Copy analytics.swc into the flexviewer libs folder.
More info about analytics.swc at <http://code.google.com/apis/analytics/docs/tracking/flashtrackingSetupFlex.html>

Finalize the install for uncompiled version:

- In Flex Builder on the left of the screen is the FlexNavigator tree, right click you Flex Sample viewer project and go to properties
- In the Properties dialog choose Flex Compiler in the left window.
- Ensure your Flex SDK Version is 4.0
- Check Require Flash Player Version under HTML wrapper and enter 10.0
- Now Flex Modules in the left window.
- On the right hand side of the dialog will be an add button click it
- browse to src\widgets\GoogleAnalytics\ and add the the GoogleAnalyticsWidget.mxml
- click ok all the way out.

regards
Mark Hoyland
Sutherland Shire Council
Sutherland NSW Australia.

ArcGIS Resource Center

ArcGIS API for Flex

Home Concepts Samples API Reference Forum Code Gallery

Learn what others are doing and share your own work. This code gallery is a view of user-contributed code samples contribute a sample, create an account at ArcGIS.com, then review the [help topics](#) that contain instructions and best

Search: google analytics

API
Flex Viewer
Widgets
Anything Flex

Google Analytics Widget

Google Analytics Widget allows flexviewer administrators to log site usage to Google Analytics.Web Mapping Application by [mhoyland](#) (last modified: April 7, 2011)

★★★★★ (6 ratings, 9 comments)

[View item details](#)



ADVANCED SEGMENTS ▾ EXPORT ▾ ADD TO DASHBOARD

Location

ALL » COUNTRY/TERRITORY: United States » REGION: Maryland

59.00% of total visits

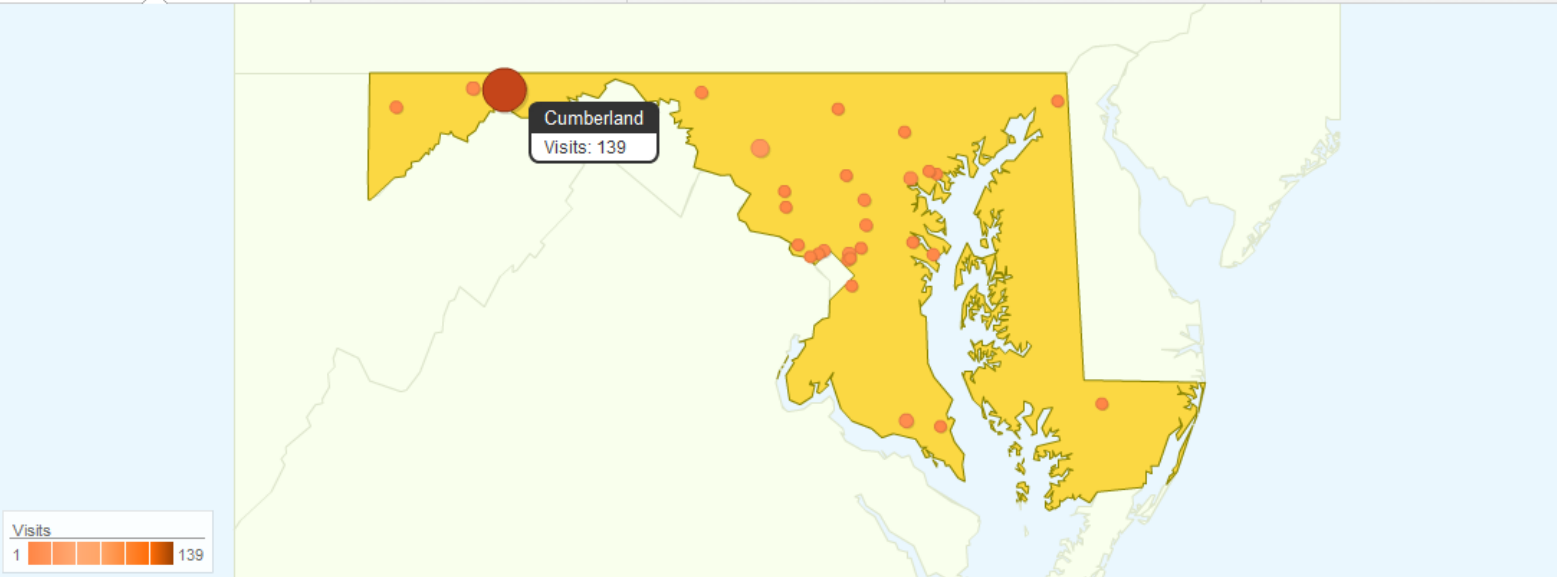
Sep 1, 2011 - Nov 30, 2011 ▾

Measuring Success

Map Overlay Explorer

Site Usage Ecommerce

Visits ● 249 % of Total: 59.00% (422)	Pages/Visit 4.00 Site Avg: 4.19 (-4.58%)	Avg. Time on Site 00:02:51 Site Avg: 00:02:22 (20.51%)	% New Visits 56.22% Site Avg: 63.74% (-11.80%)	Bounce Rate 18.07% Site Avg: 14.69% (23.01%)
--	---	---	---	---



Viewing: City Other ▾

Secondary dimension: Select... ▾ View: 1 - 10 of 30

	City	Visits ↓	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate
1.	Cumberland	139	3.65	00:01:27	59.71%	21.58%
2.	Frederick	27	3.81	00:02:49	22.22%	18.52%
3.	Leonardtown	11	4.18	00:05:45	18.18%	27.27%
4.	Baltimore	9	3.78	00:00:16	88.89%	11.11%
5.	College Park	9	3.33	00:00:02	44.44%	22.22%

- VISITORS
 - Overview
 - Demographics
 - Location**
 - Language
 - Custom Variables
 - User Defined
 - Behavior
 - Technology
 - Social
 - Mobile
 - Visitors Flow
- ADVERTISING
- TRAFFIC SOURCES
- CONTENT
- CONVERSIONS

Help

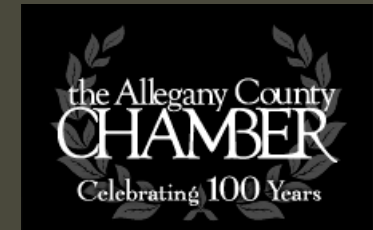
[The Location Report](#)

[Viewing Metrics](#)

[Find Your Old Reports in the New Interface](#)

[Help center](#)

Marketing Campaign



Local News

May 29, 2011

Planning 2.0 about open government

Matthew Bieniek
Cumberland Times-News

CUMBERLAND — Participating in the Allegany County planning process is now as simple as a few mouse clicks and keystrokes. The website, called Planning 2.0, uses an interface similar to Google Maps.

"We have designed the interface to be relatively simple and straightforward", said Elizabeth Stahlman, GIS manager for Allegany County who developed the site.

The site is free. The 2.0 comes from a term coined some time ago to express open government, Government 2.0, so Stahlman thought that would be a good take for an open planning process.

While you can quickly find your own property and the current and future land uses, citizens can comment on any property and planned land uses. A few areas in the Eastern part of the county don't have future land use plans available yet.



PROFESSIONAL DEVELOPMENT

Become Involved! Accessing Local Government through Web-Based Maps (PRO770)

Citizens as well as professionals (real estate agents, lawyers, etc.) can benefit from this one-hour, lunch-time course. Several web-based mapping applications are fast, convenient, and offered free of charge for public use by Allegany County's Geographic Information Systems (GIS) Office. These applications utilize new technology to provide access to local geographic data sets, such as property information and high-resolution aerial photography. This class will provide a tutorial on accessing these websites and step-by-step instructions to use Planning 2.0, a new application. Here, users can view property information and comment on land use designations determined in Allegany County's comprehensive planning process. As the State of Maryland prepares PlanMaryland, it is important for citizens and stakeholders be informed and help shape the future of their county by expressing their ideas and voicing their concerns for inclusion in the local plan. Plan Maryland provides a framework, process and actions for furthering Smart Growth; the three primary goals of the plan are centered on growth, preservation and sustainability. *Planning 2.0*, see what the buzz is about: <http://arcgis.alconet.org/planning/index.html>. Register early. The class is limited to 50 participants. Lunch will be provided by Allegany County's GIS office.

PLEASE NOTE: Due to limited seating, if you register and later can't attend, please be generous and call 301-784-5341 to remove your name from the list so others may attend in your place.

Thursday, November 17, 2011

12:00-1:00 PM

Location:

**Allegany College of Maryland, Center for Continuing Education Bldg. Room CE-8
Instructor: Elizabeth E. Stahlman, GISP**

Planning 2.0

<http://arccgis.allconet.org/demo/index.html>

<http://arccgis.allconet.org/planning/index.html>

