




GIS w chmurze...

GIS Cloud Beta

Desktopowa funkcjonalność w przeglądarce internetowej

Cloud computing w rozwiązaniach ESRI

Sławomir Bury



Do tej pory w pełni funkcjonalny
GIS istniał tylko w świecie
klasycznych aplikacji



www.giscloud.com

pierwszy w pełni funkcjonalny **internetowy** GIS

zasilany przez Cloud Computing

oferuje tworzenie, edycję, analizy

umożliwia przesyłanie, udostępnianie, publikację

Jego celem jest pomoc w podejmowaniu najlepszych decyzji w życiu i działalności gospodarczej i rozwiązywanie problemów poprzez geoprocessing i wizualizację danych





GIS Cloud - Map 'Fort Collins' - Mozilla Firefox

Plik Edycja Widok Historia Zakładki Narzędzia Pomoc

http://www.giscloud.com/login

Często odwiedzane Aktualności Tłumacz Google PyQt Semantics jd Wrocław.pl PŁW HP Officejet Pro 8500 ... Ogicom

GIS Cloud - Map 'Fort Collins'

GIS Cloud beta Hi | Documentation | Log Out

Project Layer Edit Select Analysis Tools Support Search

Projects Search Info Sample workspace > Fort Collins

Projects New Edit | Duplicate | Delete

- Private
 - Sample workspace
 - Fort Collins
 - Proba1
 - World
- Public
 - Alaska
 - flam

Layers

- polska (1)
- Google Maps
- Open Street Maps
- punkty (6)
- buforyPunktow

1880220.4562, 6652006.1484 1:141892

Zakończono

Interfejs użytkownika

główne menu

panel logowania

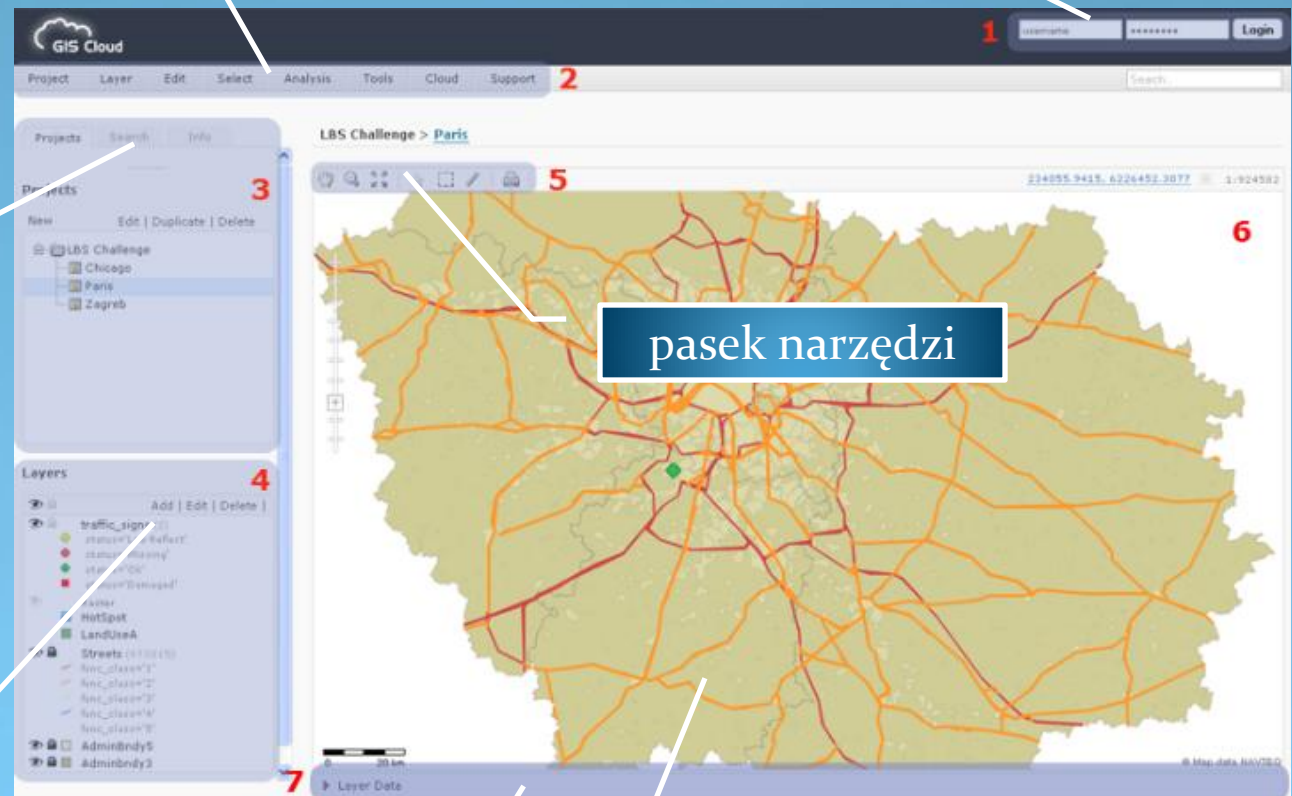
panel
Project
Search
Info

pasek narzędzi

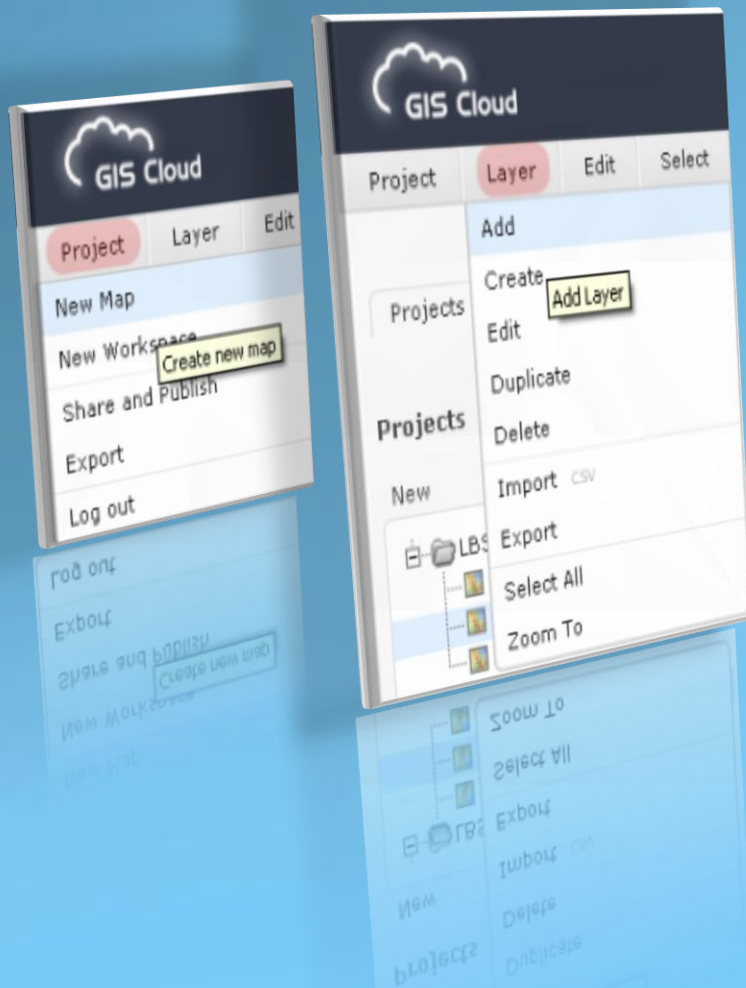
panel warstw

tabele danych

okno mapy



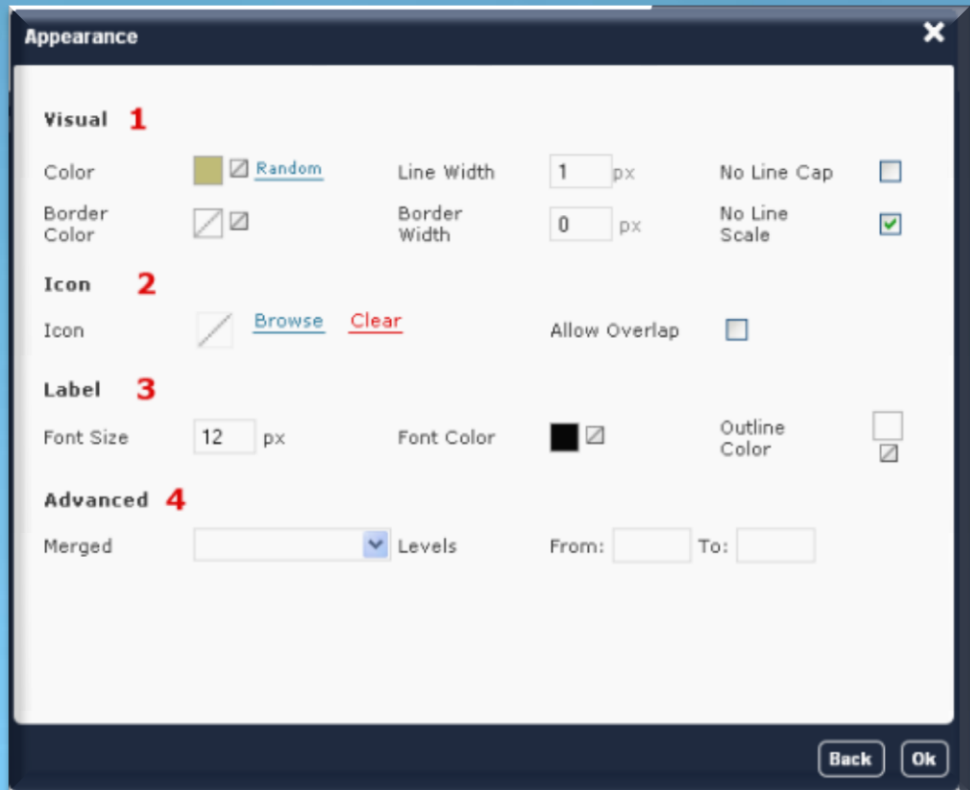
Menu



- przestrzenie robocze
- mapy
- publikacja
- eksport

- tworzenie warstw
- edycja
- import/eksport

Warstwy



Warstwy

The image displays two windows from a GIS application. On the left is the 'Layers' panel, and on the right is the 'Layer properties' dialog box.

Layers Panel:

- traffic_signs (2)
 - status='Low Reflect'
 - status='Missing'
 - status='Ok'
 - status='Damaged'
- Raster
 - HotSpot
 - LandUseA
- Streets (473815)
 - func_class='1'
 - func_class='2'
 - func_class='3'
 - func_class='4'
 - func_class='5'
- AdminBndy5
- Adminbndy3

Layer properties dialog:

- Wizard | Clear
- 1. Distinct Continuous values
- 2. GIS_AREA
- 3. Calculate
- Expression:
 - AREA_ID>=0 AND AREA_ID < 4140773.2
 - AREA_ID>=4140773.2 AND AREA_ID < 8281546.4
 - AREA_ID>=8281546.4 AND AREA_ID < 12422319.600000001
 - AREA_ID>=12422319.600000001 AND AREA_ID < 16563092.8
 - AREA_ID>=16563092.8 AND AREA_ID <= 20703866
- Appearance: (Color selection area)
- Buttons: Cancel, Save

Dane atrybutowe

GIS Cloud

Project Layer Edit Select Analysis Tools Cloud Support

Alaska1 > Alaska

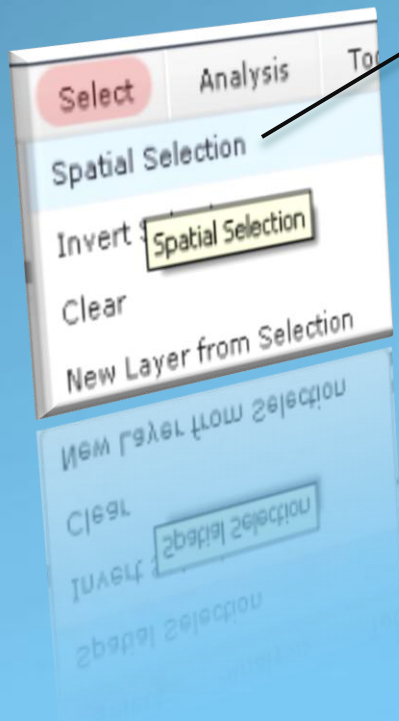
1 selected objects. 222435.7792, 3977099.6064 1:1600019

Attribute	Value
UID	35
F_CODEDESC	Snow Field/Ice Field
F_CODE	B3100
CAT	23
AREAKM2	3690.416
GIS_LENGTH	0
GIS_AREA	43577497328.7
YMAX	4631888.07004
YMIN	4362083.78026
XMAX	2071597.79235
XMIN	1607319.59969

Layer Data

UID	AREA_KM2	F_CODE	F_CODEDESC	CAT	GIS_LENGTH	GIS_AREA	YMAX	YMIN	XMAX
0	222.460000	B3110	Tundra	1.000000	0.000000	2477031839.646	6216905.781039	6160390.087312	-19
1	357.413000	B3110	Tundra	2.000000	0.000000	3900966972.480	6172322.215208	6091701.523787	269

Analizy przestrzenne



Spatial selection [X]

Note: spatial selection only works with layers from database not from files. If you want do spatial queries please import files to database first.

1 2 3

Tables [v] Columns [v] [-] [+]

Condition:

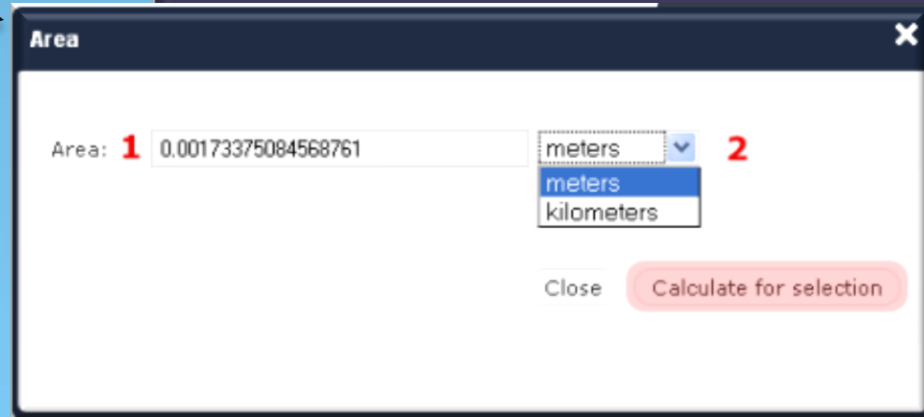
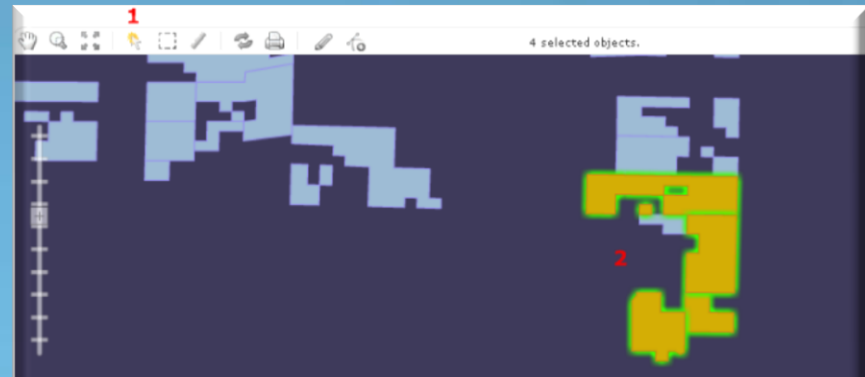
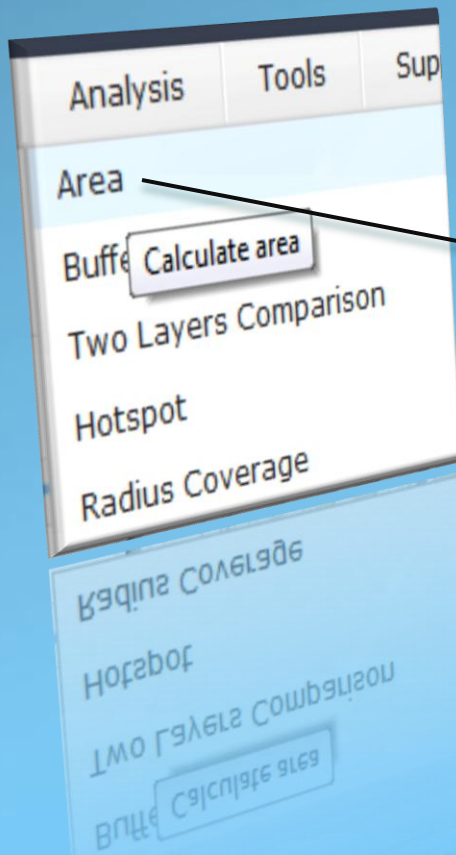
[] 4

Operators: = <> > < >= <= St_Intersects() ST_Within() ST_Contains() [Help](#) 5

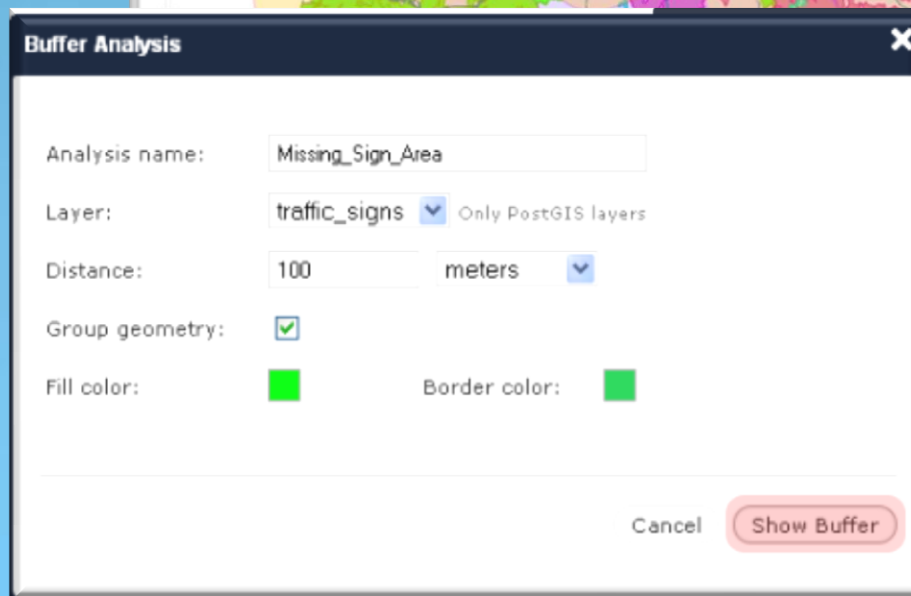
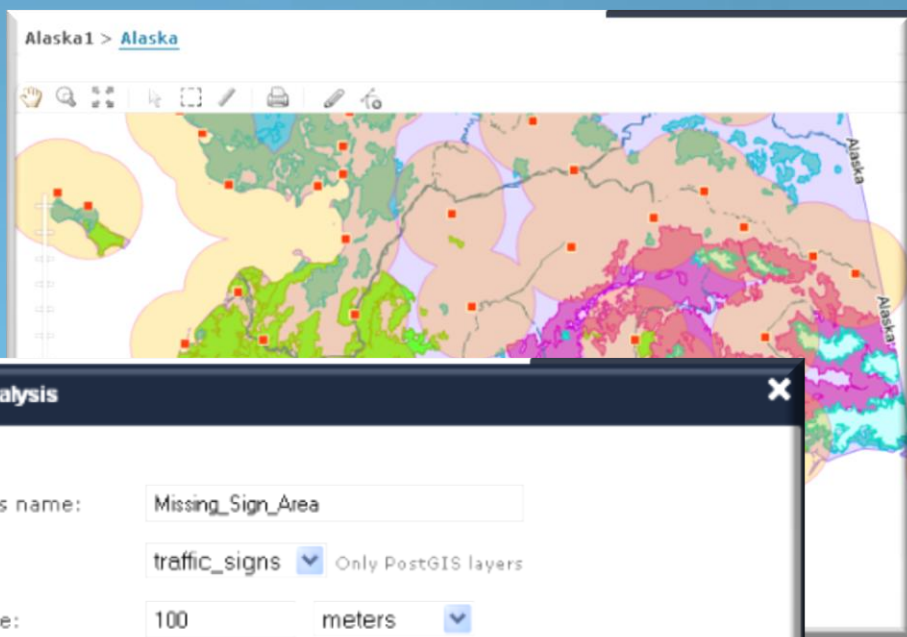
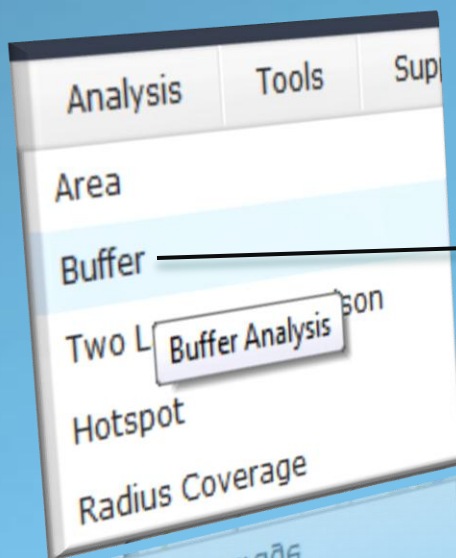
[Clear] [Close] [Select]

[Clear] [Close] [Select]

Powierzchnie



Bufory



Analiza intersekcji

Alaska1 > Alaska

Analysis Tools Sup

Area
Buffer
Two Layers Comparison
Hotspot
Radius Coverage

Radius Coverage
Hotspot
Two Layers Comparison
Buffer

Polygon Layer Intersection Analysis

First Layer: **1** Radius Coverage Only polygon layers

Attribute: **2** GIS_AREA

Second Layer: **3** zracna_pokryvenost Only polygon layers

Result: **4** Total percentage of intersection is 0.44% which is 367335741.37 of 83997053985.063 of 'GIS_AREA' total sum.

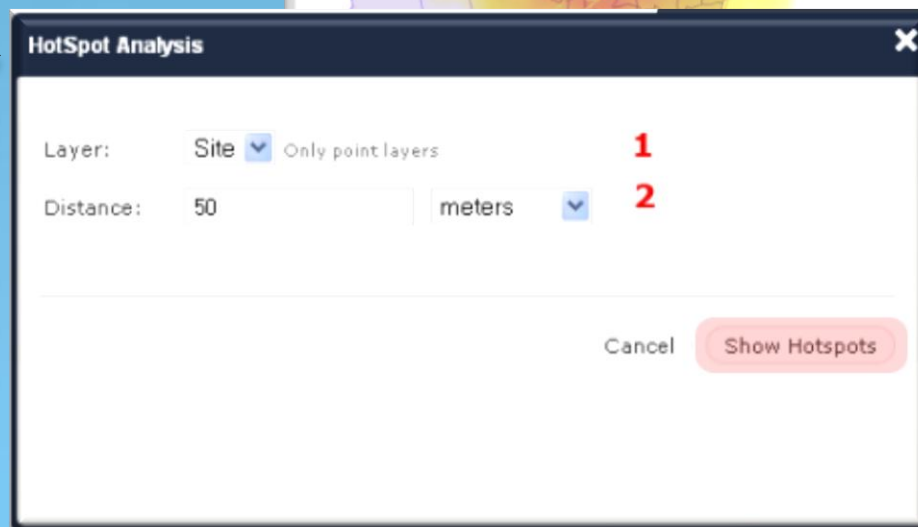
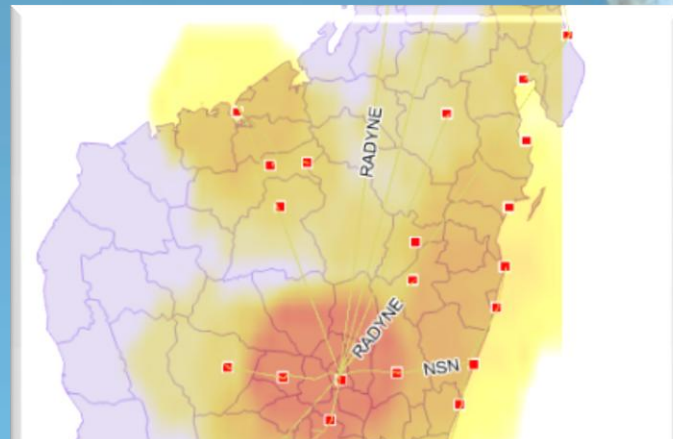
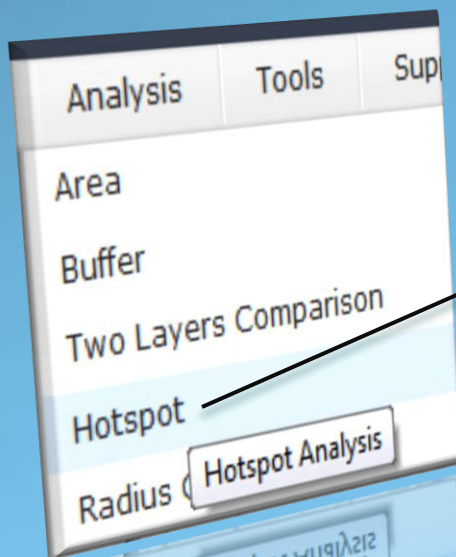
5 [Download CSV table](#)

Cancel Analysis

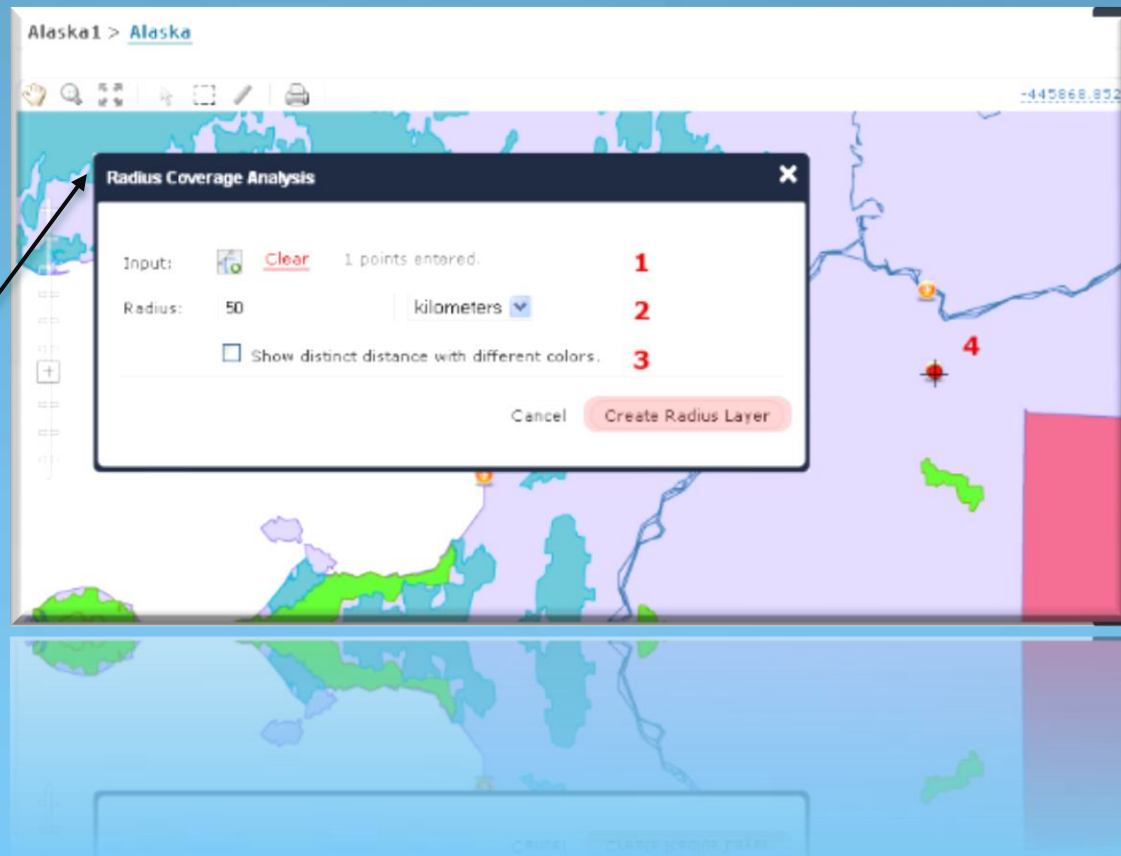
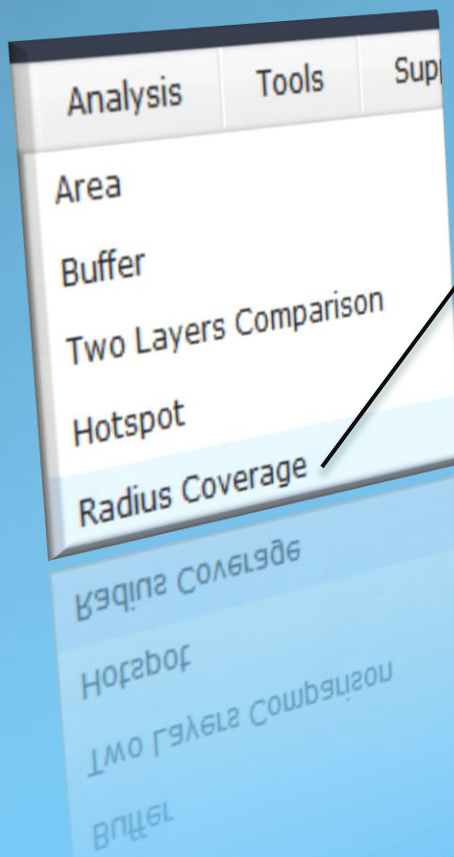
1:4548435

GIS Cloud

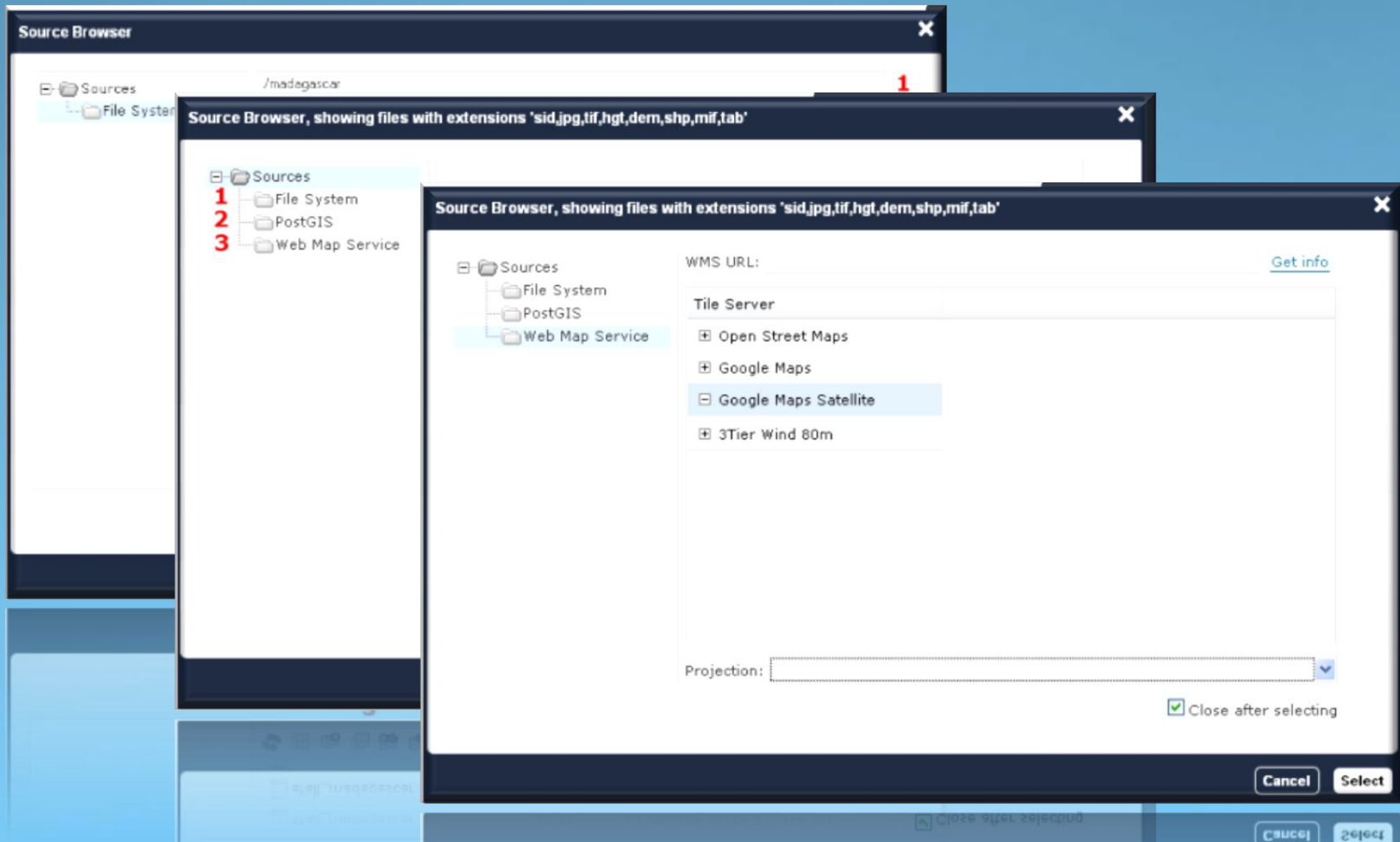
Zagęszczenie punktów



Analiza w zasięgu



Źródła danych



Menedżer baz danych

Database manager

PostGIS Connection

GIS Cloud local [Connect](#) | [New](#) | [Edit](#) | [Delete](#) **1**

Table	Schema	EPSG	Count
adm	usrsch8	900915	1
adm1	usrsch8	4326	0
adminbndy1	usrsch8	4019	0
adminbndy5_1	usrsch8	4326	0
afall_madagascar	usrsch8	32738	0
afall_madagascar_011209_200153	usrsch8	32738	0
afall_madagascar_011209_200158	usrsch8	32738	0
afall_madagascar_021209_002944	usrsch8	32738	0
afall_madagascar_021209_003136	usrsch8	32738	0
afall_madagascar_021209_003907	usrsch8	32738	0
afall_madagascar_121209_084024	usrsch8	32738	0
afall_madagascar_121209_084424	usrsch8	32738	0
afall_madagascar_150110_003918	usrsch8	32738	0
afall madaoascar 150110 004337	usrsch8	32738	0

[Import](#) | **3**

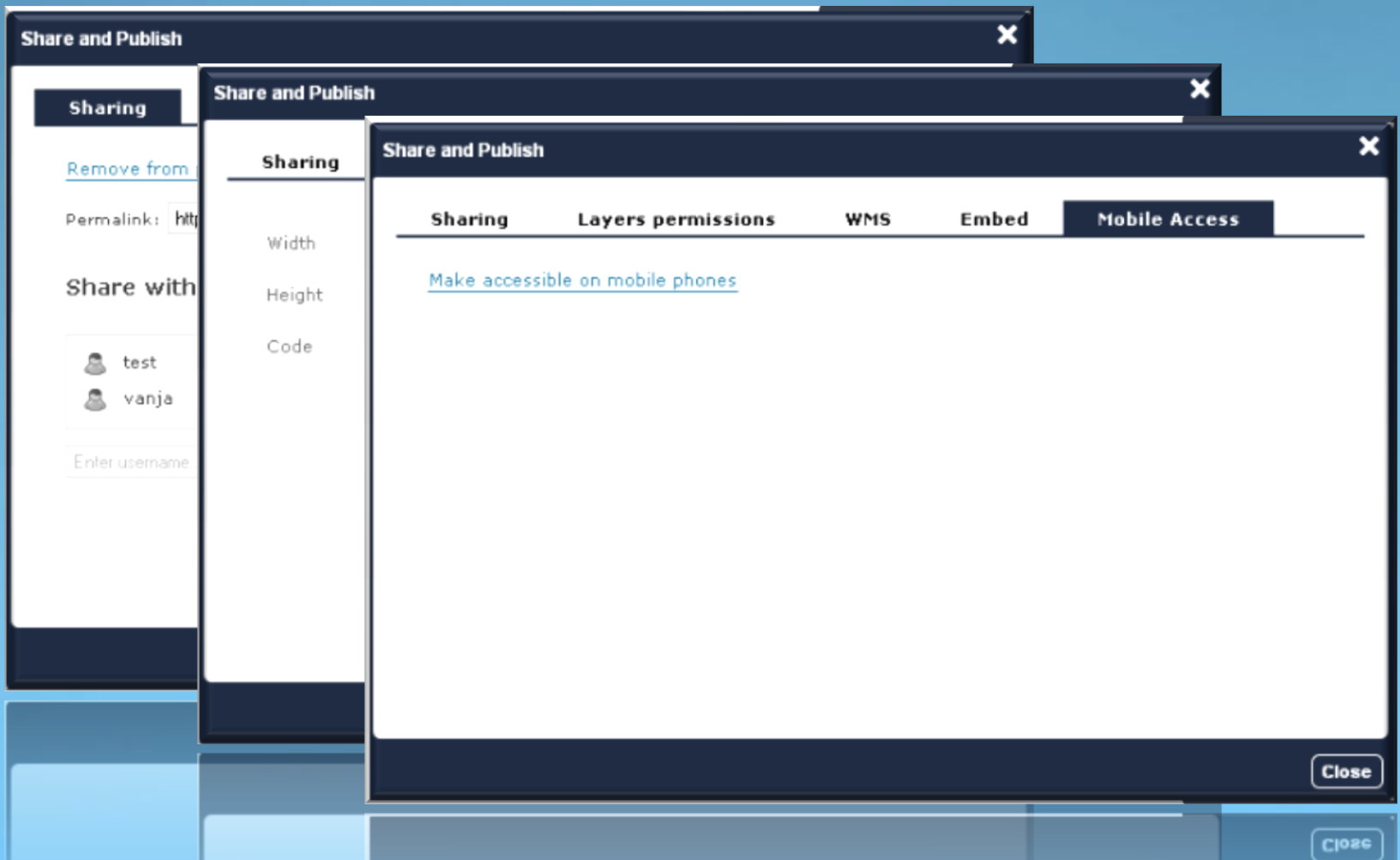
[Close](#)

[Close](#)

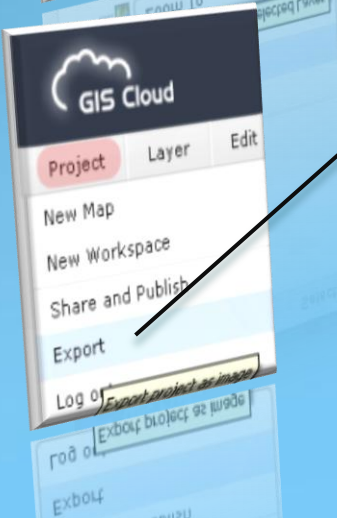
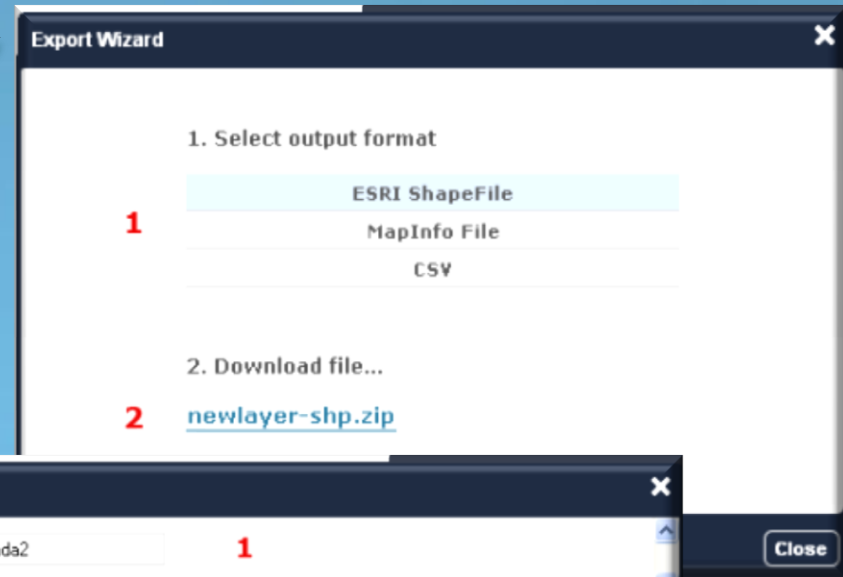
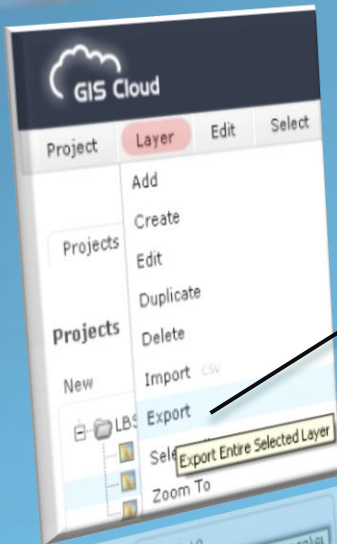
[Import](#) | **3**

afall_madagascar_121209_084337	usrsch8	32738	0
afall_madagascar_150110_003918	usrsch8	32738	0

Współdzielenie i publikacja



Eksport



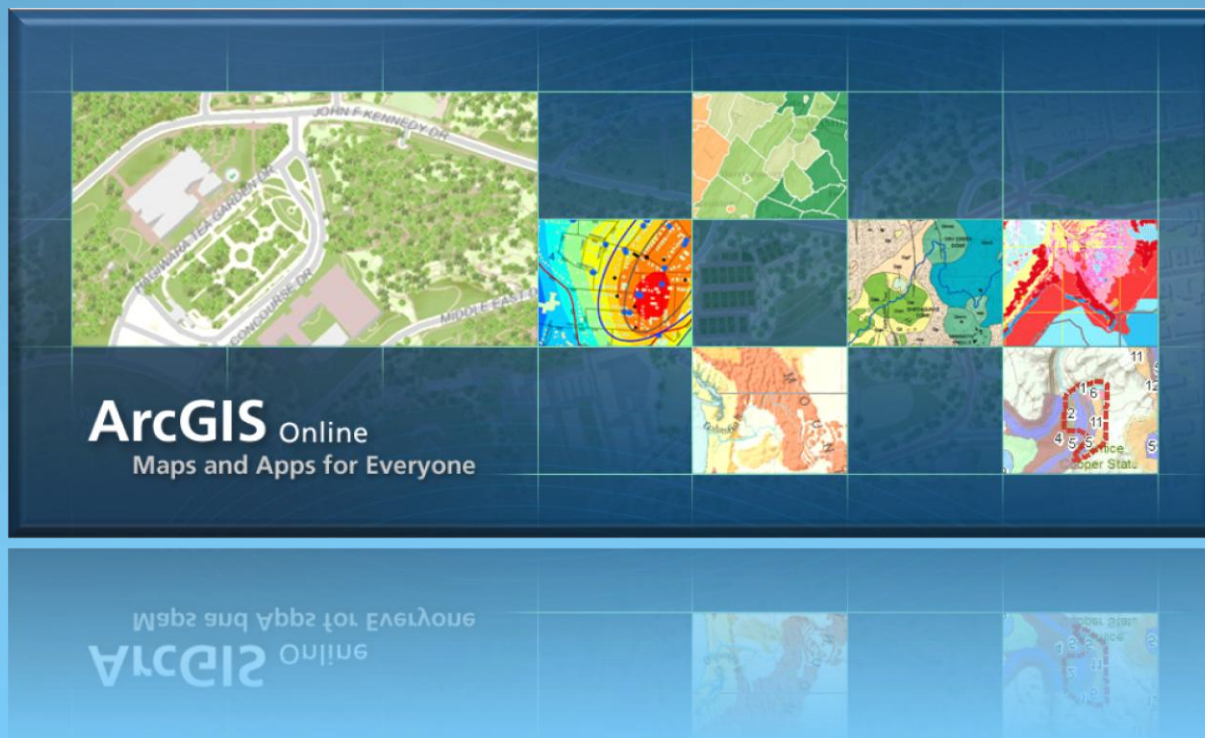
Formaty

- ESRI Shapefiles
- Mapinfo mid/mif
- PostGIS
- KML
- GPX
- GeoTiff
- WMS
- Public Tile Map Services
- GML
- OGR
- GDAL



Zadanie domowe

Cloud computing w rozwiązaniach ESRI



Platforma współpracy i współdzielenia danych

- wyświetlanie autorskich map
- tworzenie map
- współpraca online
- publikacje



ArcGIS GALLERY MAP GROUPS MY CONTENT Find maps, applications and more...

ArcGIS Online

Maps and Apps for Everyone

View the Gallery
See maps and apps from people and organizations worldwide.

Make a Map
Create a map you can view on the web, desktop and mobile devices.

Learn More
ArcGIS is an online system for using geographic information everywhere.

View Groups
Work together with the people who share your interest.

Start ArcGIS Explorer Online
Use a rich application for working with ArcGIS online maps.

Featured Maps and Apps from the ArcGIS Community

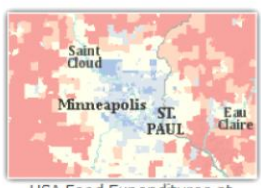
[Maps](#)
[Web Apps](#)
[Mobile Apps](#)



Pakistan Flood



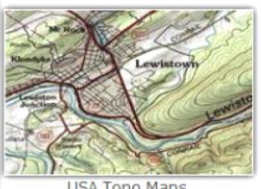
City of Minneapolis



USA Food Expenditures at Home vs. Away from Home

Search for more maps or click below to find the:

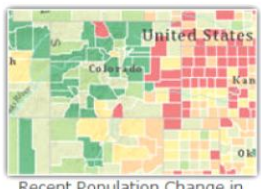
- Highest Rated
- Most Recent
- Most Viewed



USA Topo Maps



Gulf Oil Spill Impact



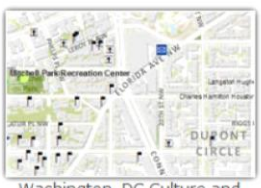
Recent Population Change in USA

What is a map?

Create your map and save it online.



Active Wildfires in USA



Washington, DC Culture and Recreation



The City of Seattle

1 2 3 4



ArcGIS My Map

New Map ArcGIS.com Home Help Sign In

Details Add Identify Basemap Save Share Print Find address or place

Make your own map

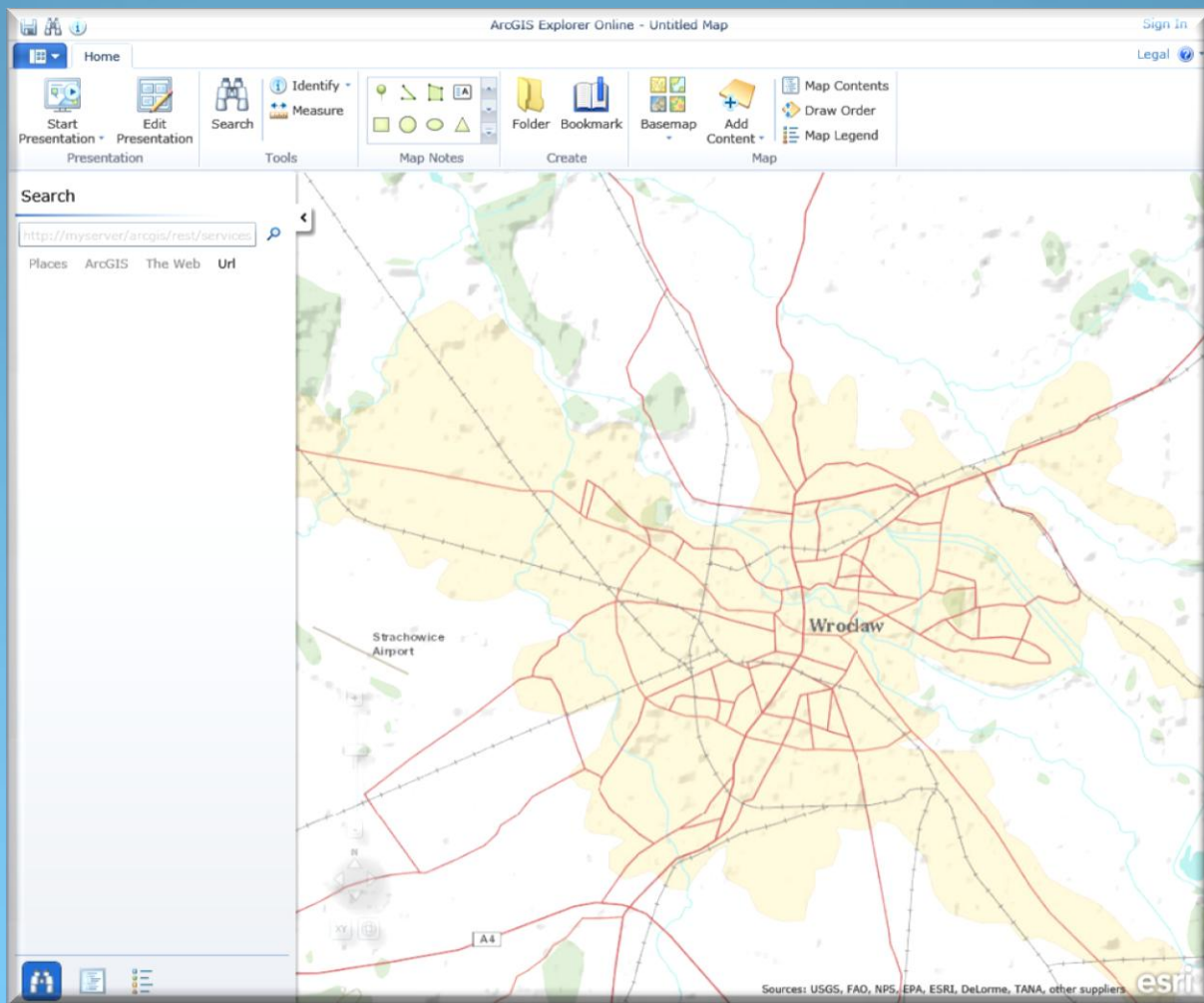
It's easy to make your own map. Just follow these steps:

- 1. Choose an area.**
Pan and zoom the map to an area or search by its name or address.
- 2. Decide what to show.**
Choose your Basemap then Add your layers on top of it.
- 3. Save and share your map.**
Give your map a name and description then share it with other people.

ESRI.com Terms of Use Privacy Contact Us Report Abuse

Sources: USGS, FAO, NPS, EPA, ESRI, DeLorme, TANA, other suppliers

POWERED BY **esri**




Już wkrótce...



W pełni funkcjonalny GIS w platformie CC

- *zarządzanie danymi*
- *analizy*
- *wizualizacja*



Dziękuję za uwagę