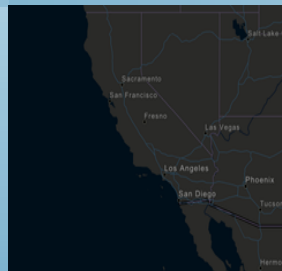
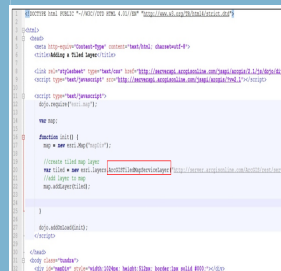
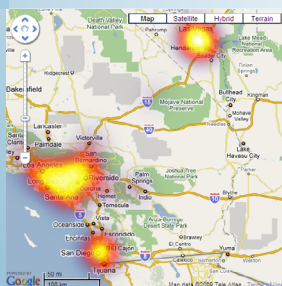
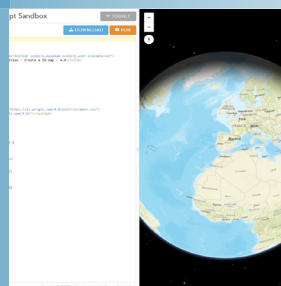
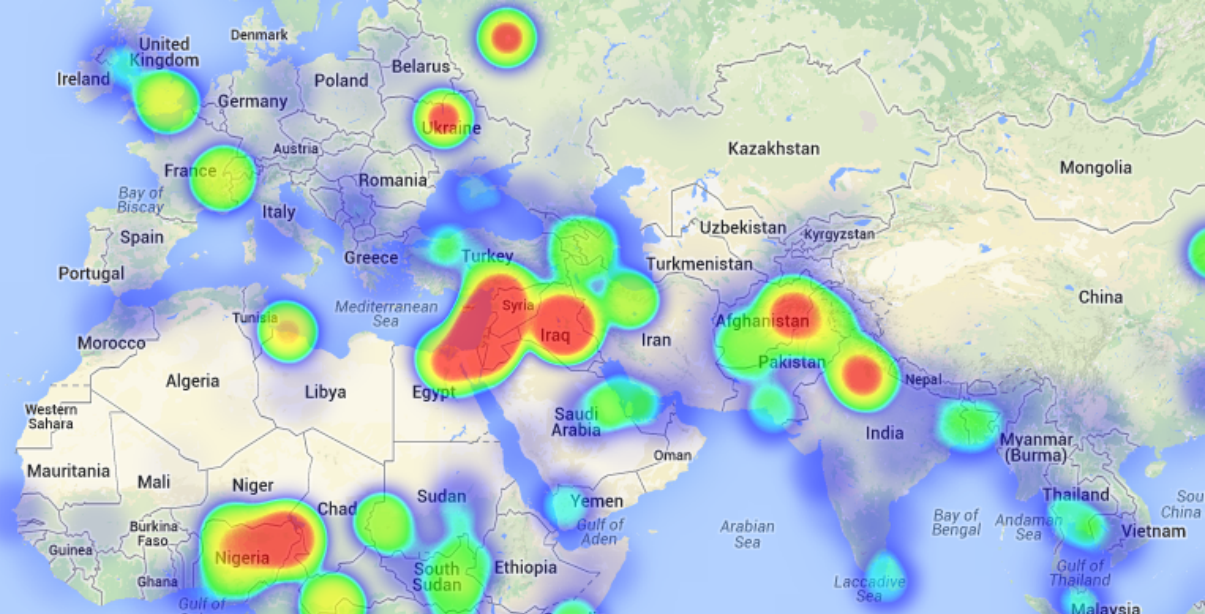
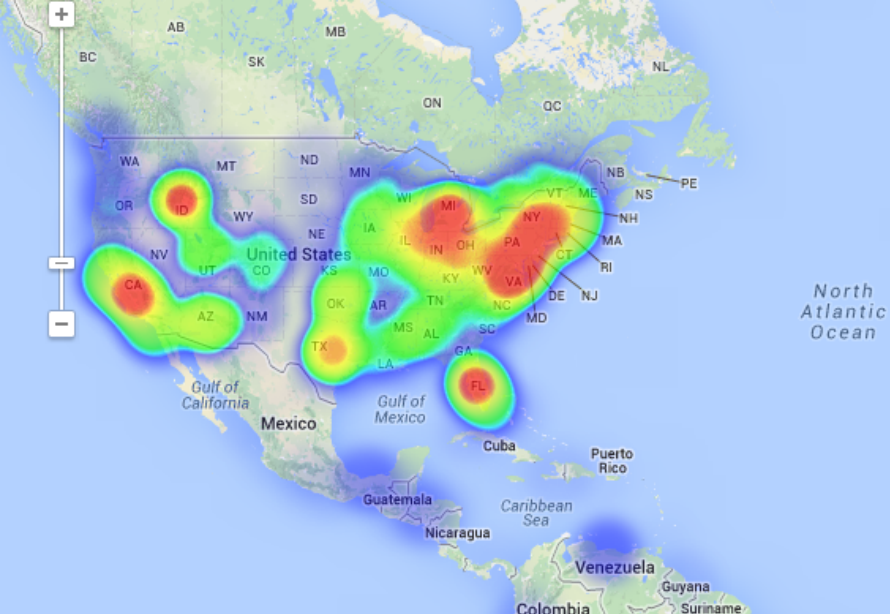


DEVELOPMENT OF WEB BASED GIS APPLICATIONS USING ARCGIS SERVER API 4.X FOR JAVASCRIPT

ONLINE TRAINING





COURSE



You will learn how to develop web mapping applications using the new ArcGIS Server API 4.x for JavaScript. Students will be informed about the new released API version, 4.x and about all the new added features and capabilities.

Learn the fundamentals of JavaScript, the most widely used web-based programming language, mainly about the developing of 3D cartographic viewers.

GOALS



- Learn the fundamentals of JavaScript, the most widely used web-based programming language and how to develop and manage online cartographic viewers.
- Get familiar with ESRI Web GIS technologies in a dynamic and interactive way.
- Create your own Web based GIS Applications using ArcGIS Server and ArcGIS API for JavaScript.
- Get an insight on how JavaScript API is connected with ArcGIS Server in order to share your new developed applications on the web.





METHOLOGY

Enrolled students in this online course will have access to our virtual e-learning platform (which is available 24 hours), where they will find the content of the course, practical exercises, forum discussion and additional content. One of the advantages of this online platform, is that students can benefit of real time support and assistance offered by the instructor (2 hours per week), whom they can contact via direct messages, regarding course related issues, at any moment. They can also contact the instructor via email.

PERFILES



The course is aimed at professionals of the GIS world who, with knowledge or not of programming, want to know all the possibilities that programming with JavaScript offers.

INSTRUCTORS



Chencho Martín Lagunas

GIS Developer with extensive experience in Full-Stack software development, specialized in GIS data analysis and pre-processing using Python.



Alberto Santos Estévez

Consultant and Geospatial Developer with more than 15 years' experience in GIS integrated solutions and high performance systems.





INTRODUCTION TO THE NEW JAVASCRIPT API VERSION 4.X

What are the new features added in the new version?

Restrictions

Practical Exercise 1: Where to find API help documentation and practical examples?

CONSTRUCTORS PROGRAMMING

What is a constructor in programming?

Constructor proprieties

Collections

Promise Object

Practical exercise 2: Proprieties.

Practical exercise 3: Working with Promise object.

MAPS, VIEWS AND LAYERS

Maps and Views

The new API version, MapView, SceneView and LayerView

Maps as a data sources

Web Mapping: Building Great Web Maps and manipulate data

Maps and Layers. Types of Layers:

- GraphicsLayer
- FeatureLayer
- MapImageLayer
- SceneLayer
- VectorTileLayer
- GroupLayer

How to access feature data via LayerView object?

Working with FeatureLayer object

Practical exercise 4: Create a 2D map.

Practical exercise 5: Create a web map.

Practical exercise 6: FeatureLayer access.

Practical exercise 7: Working with VectorTileLayer.

WORKING WITH 3D SCENES

Scenes and Web Scenes. How to add a Web Scene to your application?

Use Topographic Elevation Data to Create a 3D Map

Edit the Scene View: Camera & Environment

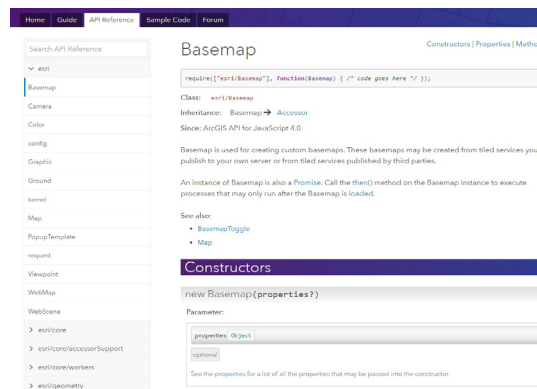
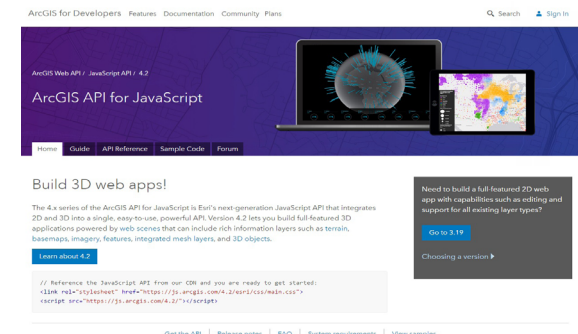
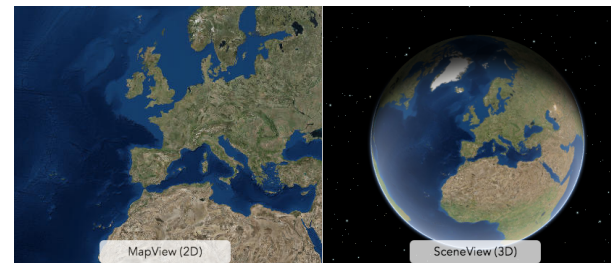
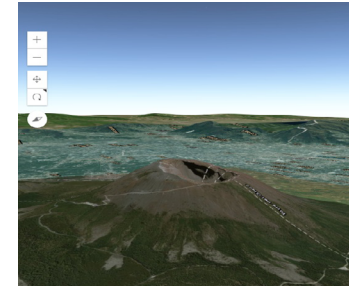
- Display Sun and Shadows
- Local Scenes

How to add Scene layers?

3D representation and symbology. Use of Visual Variables

Symbologies

CONCLUSIONS





GIS Course.com

☎ (+34) 910 325 482

✉ training@tycgis.com

Calle Fuencarral 158,
Entreplanta, Oficina 16-17
28010 Madrid

TYC GIS MÁLAGA
Avda. Pintor Joaquín Sorolla 137, 1º D
29017 MÁLAGA

TYC GIS MÉXICO
Tequesquitengo 4, Fracc. Cuaunáhuac
C.P. 62450,
Cuernavaca, Morelos.

TYC GIS PANAMÁ
Calle Eusebio A. Morales
El Cangrejo
PH Neo Plaza Oficina 2015