












Google Earth Tiler Input / Output

ver. 1.4.2

Google Earth Tiler gets in input an orthomosaic (generated by APS or other software) and generates in output:

- googleearth_loc.kml
- googleearth_web.kml (optional)
- googlemaps.html (optional)
- some tile data subfolders

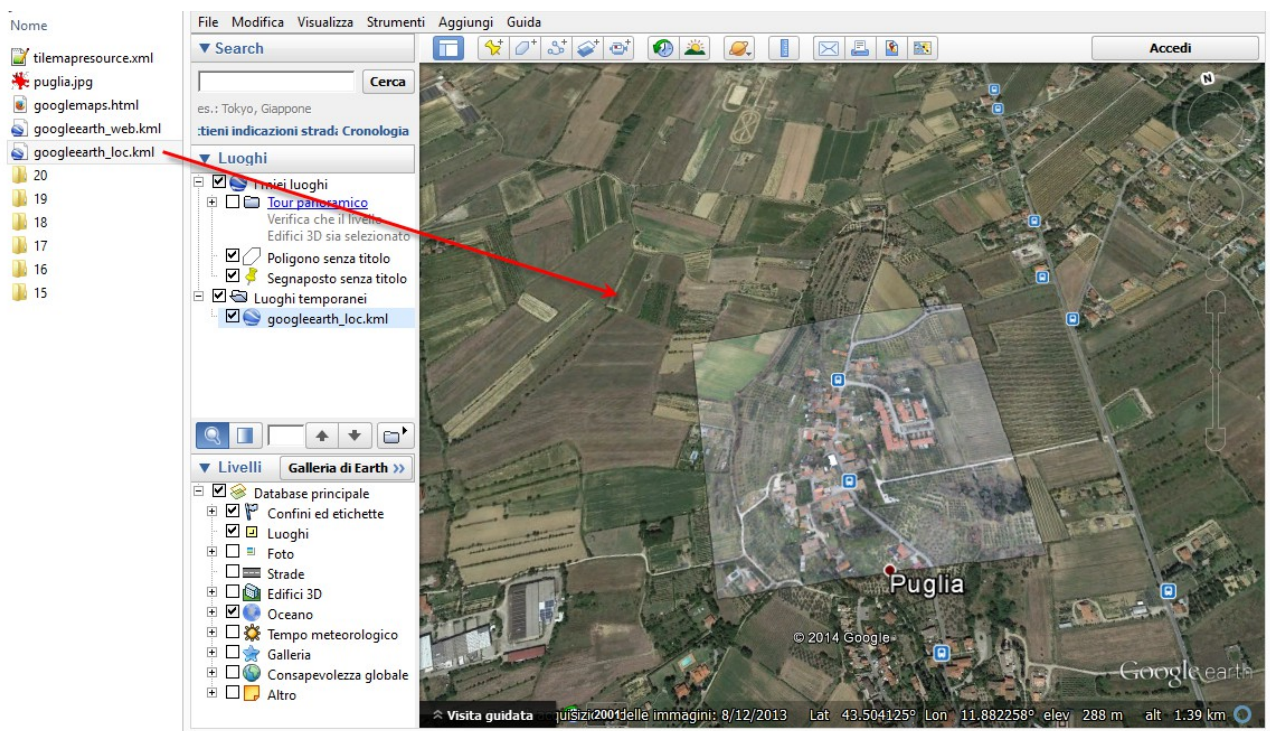
 15	02/04/2014 11.57	Cartella di file	
 16	02/04/2014 11.57	Cartella di file	
 17	02/04/2014 11.57	Cartella di file	
 18	02/04/2014 11.57	Cartella di file	
 19	02/04/2014 11.57	Cartella di file	
 20	02/04/2014 11.56	Cartella di file	
 googleearth_loc.kml	02/04/2014 11.56	File KML	1 KB
 googleearth_web.kml	02/04/2014 11.57	File KML	1 KB
 tilemapresource.xml	02/04/2014 11.56	File XML	1 KB
 googlemaps.html	02/04/2014 11.56	Firefox HTML Doc...	12 KB
 puglia.jpg	02/04/2014 11.57	IrfanView JPG File	24 KB

All data generated inside output folder represent the orthomosaic in Google Earth superoverlay format.

Google Earth must be installed on the system.

View output inside Google Earth locally

Simply double click on "_loc" kml. No internet connection is needed.

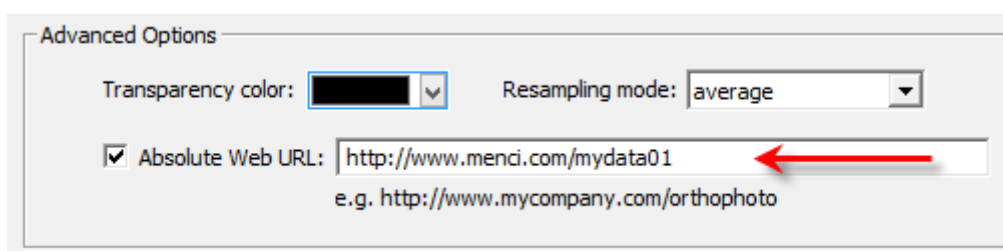


View output over Internet

To show the output to remote users, you need a web server, which is serving a remote web folder.

For example at url www.menci.com there is a webserver installed. With a FTP client we create a subfolder "\mydata01", so the complete url will be "www.menci.com/mydata01".

To generate the "_web" kml that will load data from webserver we need to check "Absolute web url" inserting the full url of our remote folder.



After generation we will copy all output folder content to www.menci.com/mydata01. Finally double clicking on "_web" kml, Google Earth will load dataset from your webserver (you can send and share this kml over Internet).

View output on Google Maps

The third output is a html web page you can include in your website. It displays a google maps frame with your output in overlay and doesn't require Google Earth as viewer.

You need to enable Google API before, so you need a Google email account. Click on <https://code.google.com/apis/console/>



Google Maps (optional)

Google API key:

[Get a Google API key](#)

and get access with your email account.



Google Maps (optional)

Google API key:

[Get a Google API key](#)

Then follow those steps:

1) Create a project



You don't have any projects!
Create a new project to get started.



2) Setup the project with a name

New Project

Project name ⓘ Google Earth Tiler

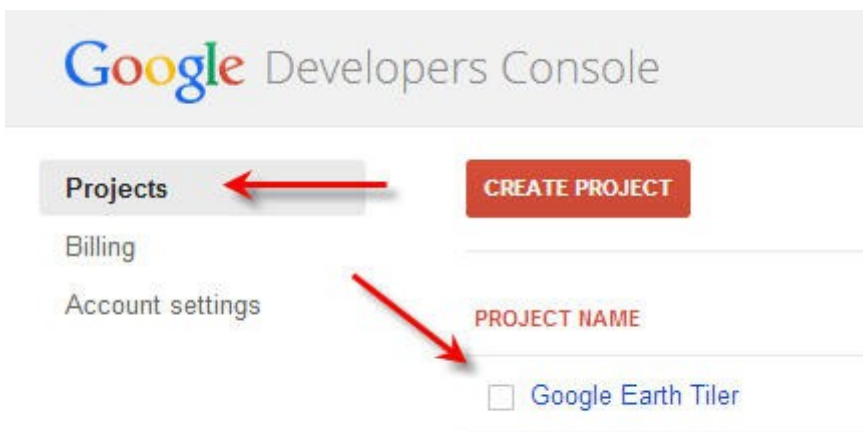
Project ID ⓘ pro-variety-545

I'd like to receive email about Google Cloud Platform updates, special offers, and events.

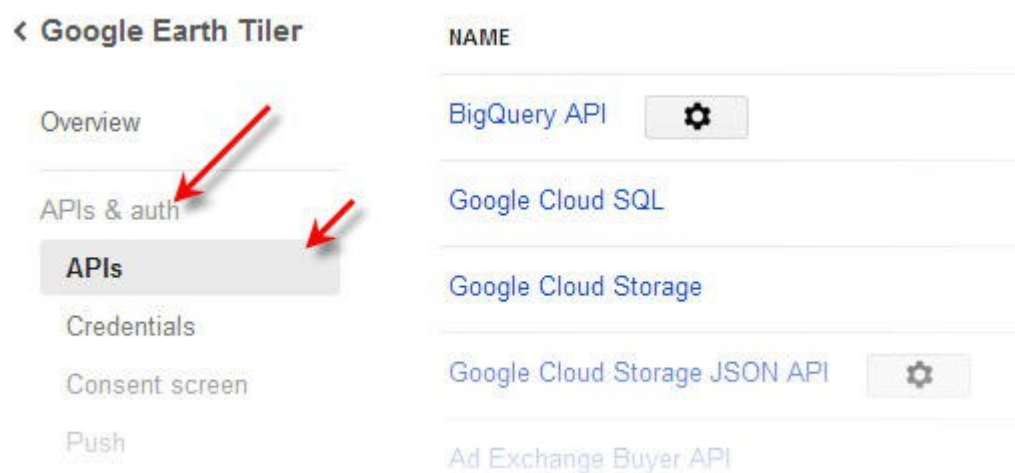
I have read and agree to all [Terms of Service](#) for the Google Cloud Platform products.

Create Cancel

3) Click on "Project" in side bar and then on project name



4) Click on "APIs & auth" and APIs items in side bar



5) Find the "Google Maps Javascript API v.3" item in the list. Click on "OFF" state button.

Google Maps Geolocation API	100 requests/day	OFF
Google Maps JavaScript API v3	25,000 requests/day	OFF
Google Maps SDK for iOS		OFF

6) Enable the service

Enable the Google Maps JavaScript API v3

I have read and agree to both [Google APIs Terms of Service](#) and [Google Maps/Earth APIs Terms of Service](#).

Accept Cancel

7) Click on "Credentials" in side bar and click on "Create a New Key"

Google Earth Tiler

- Overview
- APIs & auth
 - APIs
 - Credentials**
 - Consent screen
 - Push
- Permissions
- Settings
- Support
- App Engine
- Compute Engine
- Cloud Storage

OAuth
OAuth 2.0 allows users to share specific data with you (for example, contact lists) while keeping their usernames, passwords, and other information private. [Learn more](#)

CREATE NEW CLIENT ID

Compute Engine and App Engine [Learn more](#)

Client ID	335337788288.apps.googleusercontent.com
Email address	335337788288@developer.gserviceaccount.com

Download JSON

Public API access
Use of this key does not require any user action or consent, does not grant access to any account information, and is not used for authorization. [Learn more](#)

CREATE NEW KEY

8) Select "Browser key"

Create a new key

The APIs represented in the Google Developers Console require that requests include a unique project identifier. This enables the Console to tie a request to a specific project in order to monitor traffic, enforce quotas, and handle billing.

Server key **Browser key** **Android key** **iOS key**

9) Confirm creation

Create a browser key and configure allowed referers

This key can be deployed in your clients' applications.

API requests are sent directly to Google from your clients' browsers. [Learn more](#)

Accept requests from these HTTP referers (web sites)

One URL or pattern per line. Example: *.example.com/*



10) In the page you will get a new "API key". **Copy and paste** that string and insert it in the Google Earth Tiler field.

Key for browser applications

API key	AIza... [redacted]
Referers	Any referer allowed
Activation date	Apr 9, 2014 4:06 AM
Activated by	mencisoftware@gmail.com (you)

[Edit allowed referers](#) [Regenerate key](#) [Delete](#)

Once that API key related to your account is provided, the GoogleMaps.html page is automatically generated.

It must be copied to the remote webserver folder with other data, in order to include it in your website.

