

Using open software to download map and image tile data

利用开源软件下载地图 和影像瓦片数据



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- 德国奥格斯堡大学访问学者和青年科学家，地理信息世界特聘审稿专家，测绘学报等核心期刊审稿人，高校GIS论坛十大新锐人物。
- 主要研究方向地理信息系统平台及其应用，主持国家自然科学基金，国家重点研发（子课题）等课题多项，获省部级科技进步二等奖2项，三等奖1项，部门理论成果一等奖1项，高校GIS论坛“优秀教学成果”奖1项。
- 出版和翻译著作6部，近5年，以第一作者或通讯作者发表论文16篇，发明专利2项，软件著作权3项。






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Mobile Atlas Creator


Brought to you by: [r_x](#)

★★★★★

74 Reviews

Downloads: 750 This Week

Last Update: 2021-06-02

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Summary

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Code


Wiki

This application creates off-line atlases of raster maps for various cell phone apps on Android, iPhone and WindowsCE as well as GPS devices (Garmin, Magellan and others)


Features

- Download map tiles from various online maps
- Create maps and atlases for your favorite mobile navigation program

Project Samples



Recommended Projects

 **cachebox**
geocaching software for



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开始” 菜单，选择 “命令提示符” 会弹出命令行窗口，然后在窗口中键入 “java -version” 命令

```
命令提示符
Microsoft Windows [版本 10.0.19042.985]
(c) Microsoft Corporation。保留所有权利。

C:\Users\helloj2ee>java -version
'java' 不是内部或外部命令，也不是可运行的程序
或批处理文件。
```

Java运行环境

```
C:\Users\Administrator>java -version
java version "1.8.0_66"
Java(TM) SE Runtime Environment (build 1.8.0_66-b18)
Java HotSpot(TM) Client VM (build 25.66-b18, mixed mode)
```

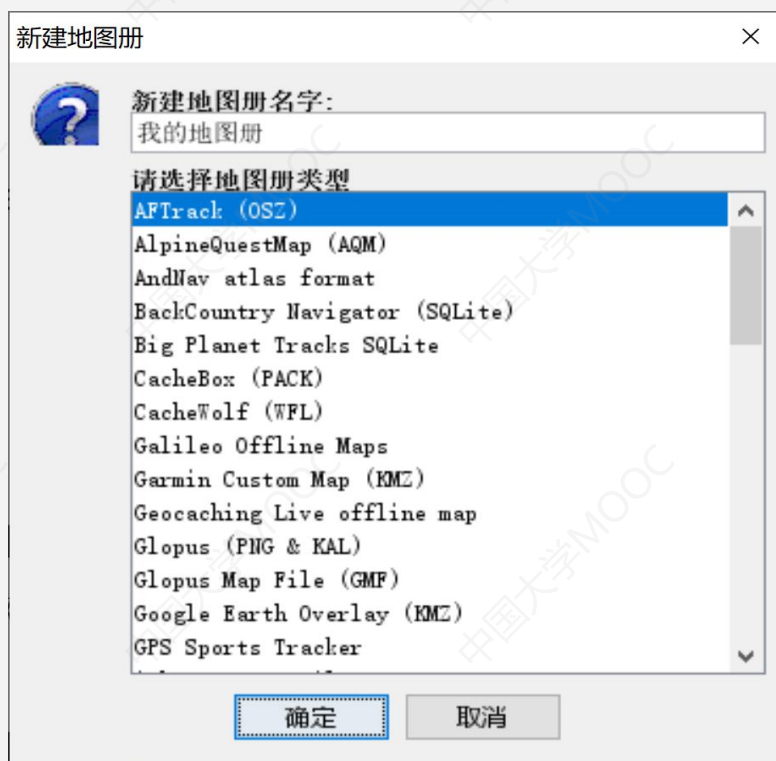
java -version中 “java” 后有空格



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直接运行Mobile Atlas Creator的exe运行程序，第一次运行时，该程序会提示你新建地图册，默认选择第一个地图册类型即可。



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All Utilities

Password Tools

System Tools

Browser Tools

Programmer Tools

Network Tools

Outlook/Office

64-bit Download

Panel

Forensics

Pre-Release Tools

Articles

Web Browser Tools Package

In the following section, you can find unique Web browser tools for both Internet Explorer and Mozilla browsers (including Firefox) that extract cookies, history data and cache information from the Web browser.

If you want to download a package of all the tools listed below in one zip file, [click here](#)

To search for other tools:

BrowsingHistoryView	BrowsingHistoryView is a utility that reads the history data of 4 different Web browsers (Internet Explorer, Mozilla Firefox, Google Chrome, and Safari) and displays the browsing history of all these Web browsers in one table. The browsing history table includes the following information: Visited URL, Title, Visit Time, Visit Count, Web browser and User Profile. BrowsingHistoryView allows you to watch the browsing history of all user profiles in a running system, as well as to get the browsing history from external hard drive. You can also export the browsing history into csv/tab-delimited/html/xml file from the user interface, or from command-line, without displaying any user interface.
IECookiesView	This utility displays the details of all cookies that Internet Explorer stores on your computer. In addition, it allows you to change the content of the cookies, delete unwanted cookies files, save the cookies into a readable text file, find cookies by specifying the domain name, view the cookies of other users and in other computers, and more...
IEHistoryView	This utility reads all information from the history file on your computer, and displays the list of all URLs that you have visited in the last few days. It also allows you to select one or more URL addresses, and then remove them from the history file or save them into text, HTML or XML file. In addition, you are allowed to view the visited URL list of other user profiles on your computer, and even access the visited URL list on a remote computer, as long as you have permission to access the history folder.
IECacheView	IECacheView is a small utility that reads the cache folder of Internet Explorer, and displays the list of all files currently stored in the cache. For each cache file, the following information is displayed: Filename, Content Type, URL, Last Accessed Time, Last Modified Time, Expiration Time, Number Of Hits, File Size, Folder Name, and full path of the cache filename. You can easily save the cache information into text/html/xml file, or copy the cache table to the clipboard and then paste it to another application, like Excel or OpenOffice Spreadsheet.
MZCookiesView	MZCookiesView is an alternative to the standard 'Cookie Manager' provided by Netscape and Mozilla browsers. It displays the details of all cookies stored inside the cookies file (cookies.txt) in one table, and allows you to save the cookies list into text, HTML or XML file, delete unwanted cookies, and backup/restore the cookies file.
MZHistoryView	MZHistoryView is a small utility that reads the history data file (history.dat) of Firefox/Mozilla/Netscape Web browsers, and displays the list of all visited Web pages in the last days. For each visited Web page, the following information is displayed: URL, First visit date, Last visit date, Visit counter, Referrer, Title, and Host name. You can also easily export the history data to text/HTML/XML file.
MZCacheView	MZCacheView is a small utility that reads the cache folder of Firefox/Mozilla/Netscape Web browsers, and displays the list of all files currently stored in the cache. For each cache file, the following information is displayed: URL, Content type, File size, Last modified time, Last fetched time, Expiration time, Fetch count, Server name, and more. You can easily select one or more items from the cache list, and then extract the files to another folder, or copy the URLs list to the clipboard.
OperaCacheView	OperaCacheView is a small utility that reads the cache folder of Opera Web browser, and displays the list of all files currently stored in the cache. For each cache file, the following information is displayed: URL, Content type, File size, Last accessed time, and last modified time in the server. You can easily select one or more items from the cache list, and then extract the files to another folder, or copy the URLs list to the clipboard.
ChromeCacheView	ChromeCacheView is a small utility that reads the cache folder of Google Chrome Web browser, and displays the list of all files currently stored in the cache. For each cache file, the following information is displayed: URL, Content type, File size, Last accessed time, Expiration time, Server name, Server response, and more. You can easily select one or more items from the cache list, and then extract the files to another folder, or copy the URLs list to the clipboard.
	ChromeHistoryView is a small utility that reads the history data file of Google Chrome Web browser, and displays the list of all visited Web pages in the last days. For each visited Web page, the

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The screenshot shows the QGIS 3.18 Zürich website homepage. The top navigation bar includes links for 'DISCOVER QGIS', 'FOR USERS', 'GET INVOLVED', and 'DOCUMENTATION', along with a search bar and a language dropdown set to 'English'. The main banner features the QGIS logo and the text 'QGIS 3.18 Zürich has been released!'. Below the banner, a section titled 'New release: 3.18!' provides links to the 'installer' and 'packages' for various operating systems, and a link to the 'changelog'. The central text describes QGIS as a tool to 'Create, edit, visualise, analyse and publish geospatial information on Windows, Mac, Linux, BSD and mobile devices', and lists its availability 'For your desktop, server, in your web browser and as developer libraries'. Two prominent green buttons are present: 'Download Now' and 'Support QGIS'. Below these buttons, the versions 'Version 3.18.3' and 'Version 3.16.7 LTR' are listed, along with a 'Donate now!' link. The bottom section, titled 'PROJECT NEWS', lists 'Latest Project Blog Posts (blog.qgis.org)' with two entries: '2021/05/04 - QGIS Grant Programme 2021 Results' and '2021/03/25 - QGIS Open Day - 26 March 2021'.

3.18.3
3.16.7 LTR

DISCOVER QGIS FOR USERS GET INVOLVED DOCUMENTATION Search English

QGIS 3.18 Zürich

has been released!

New release: 3.18!
Get the [installer](#) or [packages](#) for your Operating System and read the [changelog](#).

Create, edit, visualise, analyse and publish geospatial information on Windows, Mac, Linux, BSD and mobile devices

For your desktop, server, in your web browser and as developer libraries

[Download Now](#) [Support QGIS](#)

Version 3.18.3
Version 3.16.7 LTR

Donate now!

PROJECT NEWS

Latest Project Blog Posts (blog.qgis.org)

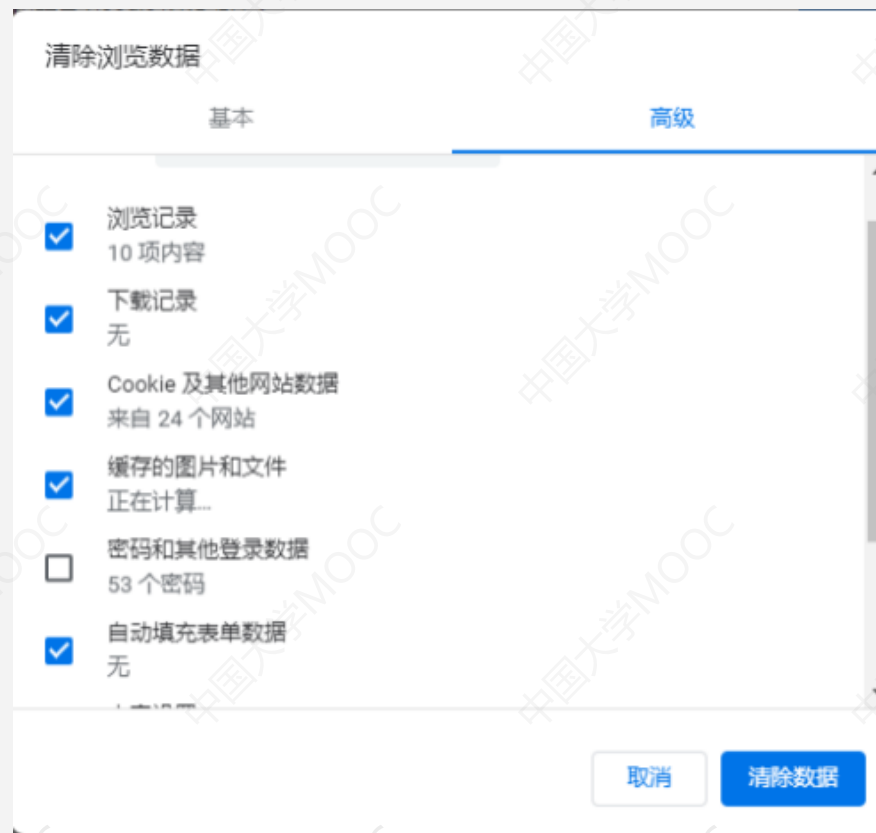
- 2021/05/04 - QGIS Grant Programme 2021 Results
- 2021/03/25 - QGIS Open Day - 26 March 2021



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首先要清空Google Chrome浏览器的缓存。

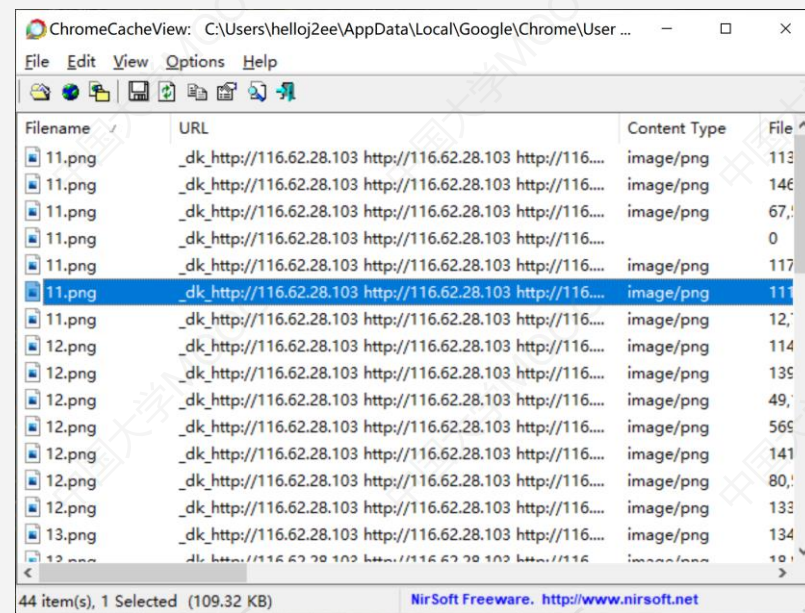
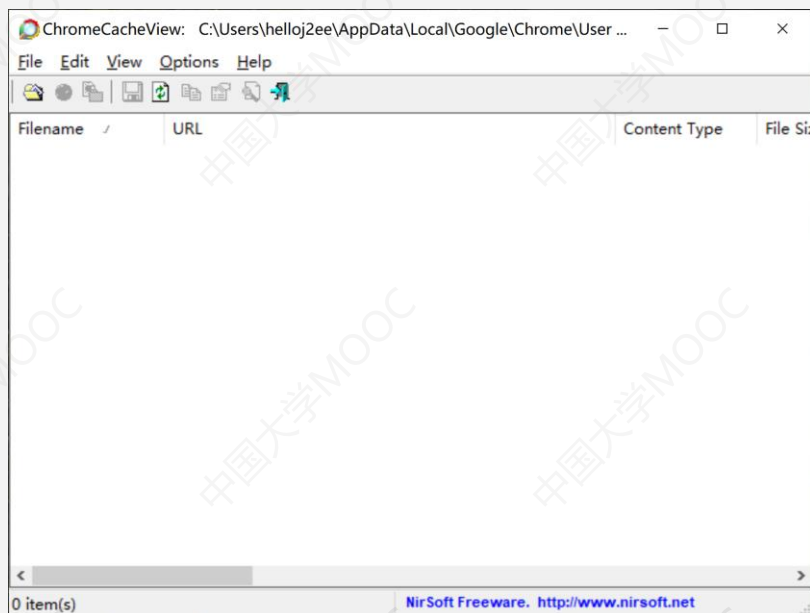




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运行Cache View软件，则里面没有任何记录，当通过Google浏览器浏览教学实验平台网站时，则里面有记录。

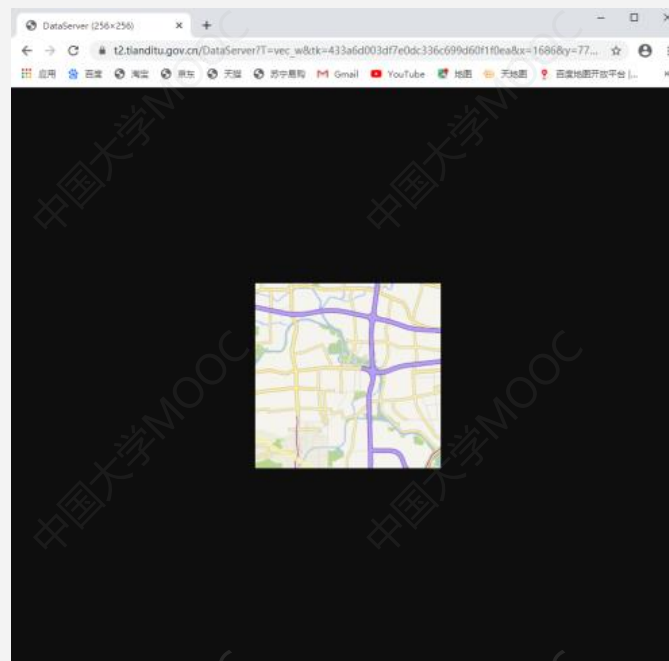
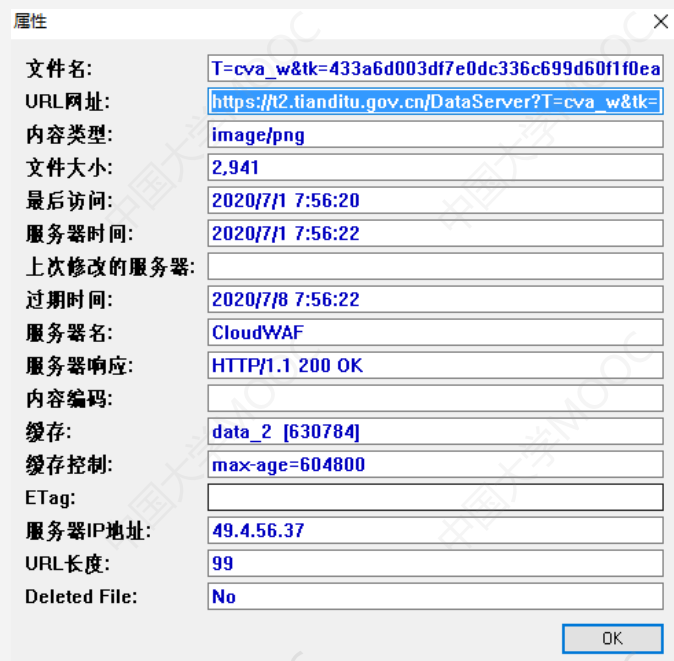




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选择其中的一个png图片，左键选择属性，在属性（Properties）视窗里面，可以看到如下信息，其中URL一栏就是地图瓦片所在的网址信息，可以将该网址复制在浏览器中进行检查，可以看到该网址的内容是一张地图瓦片：





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分别选择地图和影像图层，可以观察一下不同的链接。

http://116.62.28.103:9091/tdt/tdt_vec/1/0/0.png

http://116.62.28.103:9091/tdt/tdt_img/1/0/0.png

<http://116.62.28.103:9091>



tdt_vec代表地图瓦片的目录



tdt_img代表影像瓦片的目录



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http://116.62.28.103:9091/tdt/tdt_vec/1/0/0.png

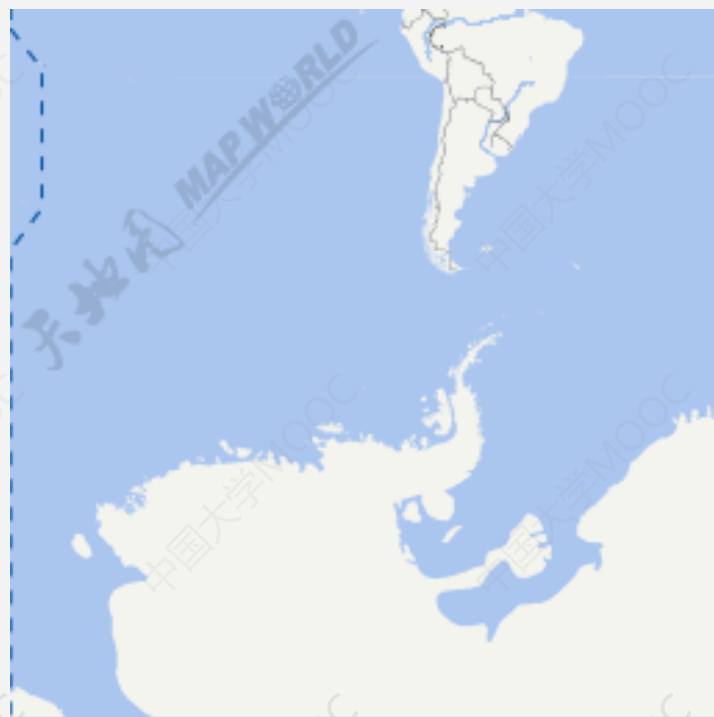




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http://116.62.28.103:9091/tdt/tdt_vec/1/0/1.png

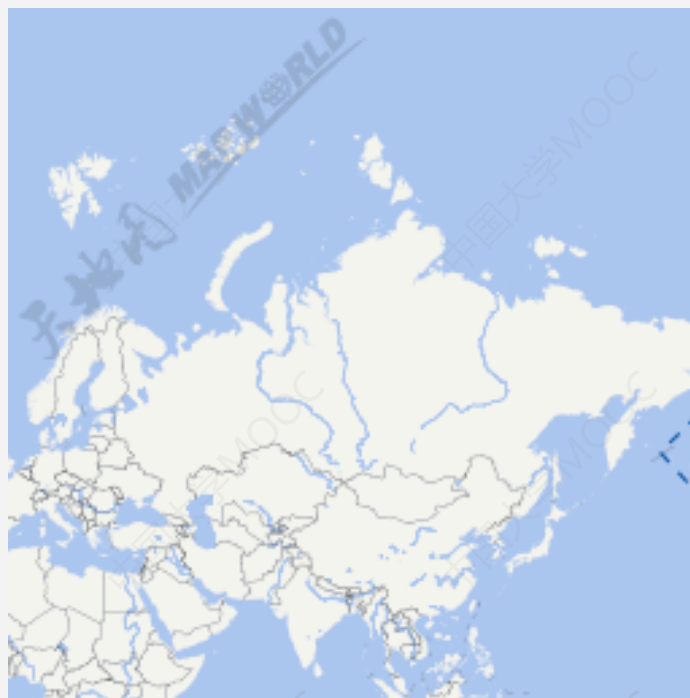




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http://116.62.28.103:9091/tdt/tdt_vec/1/1/0.png





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http://116.62.28.103:9091/tdt/tdt_vec/1/1/1.png



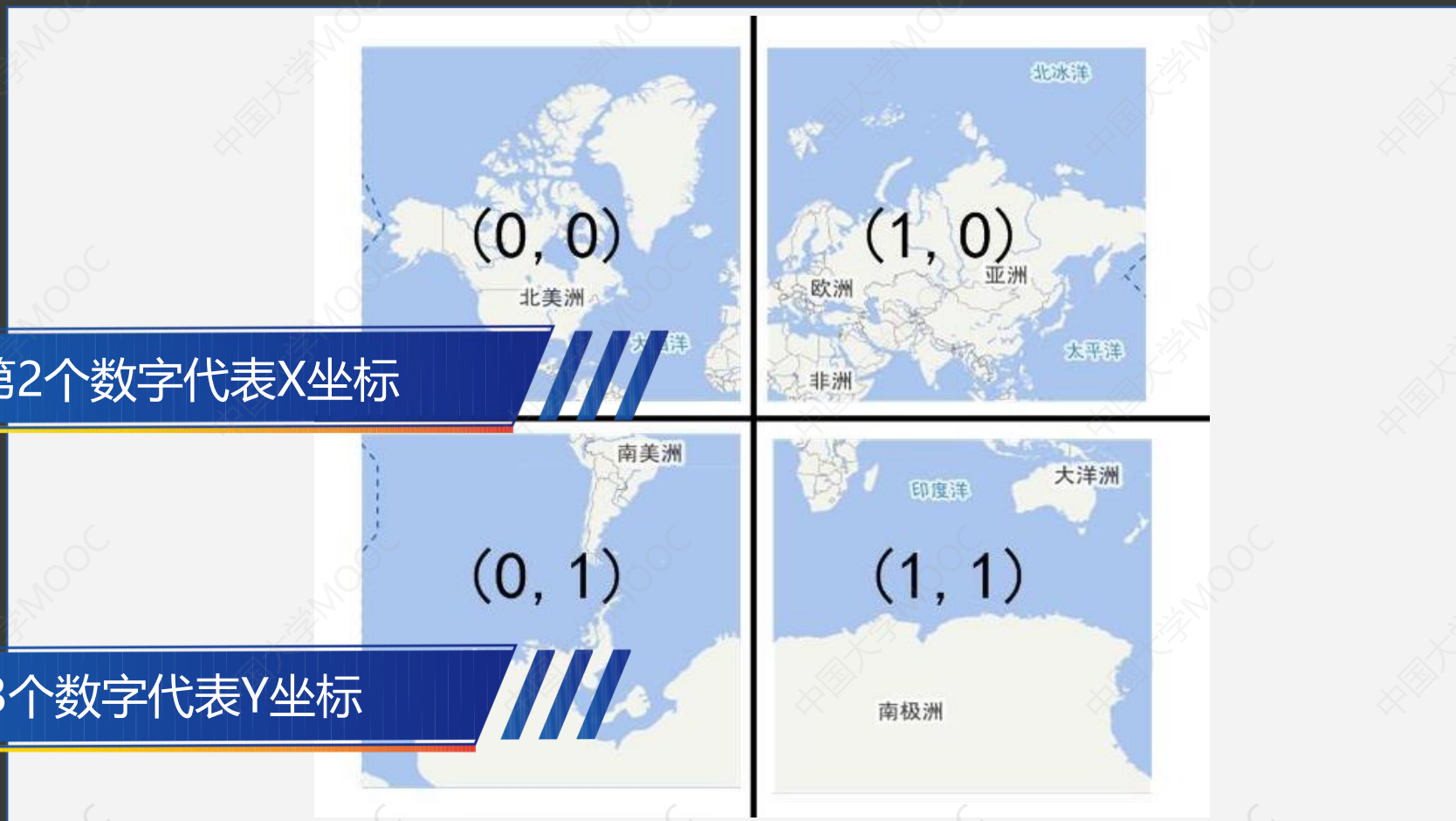


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第2个数字代表X坐标

第3个数字代表Y坐标





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配置的地图瓦片文件

```
<?xml version="1.0" encoding="UTF-8"?><!--如果 XML 配置文件中使用了汉字，必须在保存时选择编码为 UTF-8，否则无法正常工作-->

<customMapSource><!--必填参数，图源声明-->

    <name>CustomVecMap</name><!--必填参数，设置图源名称-->

    <minZoom>1</minZoom><!--必填参数，最小缩放级别-->

    <maxZoom>7</maxZoom><!--必填参数，最大缩放级别-->

    <tileType>PNG</tileType><!--必填参数，地图的图片格式，支持 JPG、PNG、GIF, 3 种配置-->

    <tileUpdate>None</tileUpdate><!-- 可选参数，绝对本地缓存的地图图片的刷新逻辑-->

    <url>http://116.62.28.103:9091/tdt/tdt_vec/{z}/{x}/{y}.png</url><!--必填参数，表示访问的 url 规则，即：如何由 x, y, z 拼出图片的在线网址-->

</customMapSource><!--必填参数，图源结束声明-->
```



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配置的影像瓦片文件

```
<?xml version="1.0" encoding="UTF-8"?><!--如果 XML 配置文件中使用了汉字，必须在保存时选择编码为 UTF-8，否则无法正常工作-->

<customMapSource><!--必填参数，图源声明-->

    <name>CustomImgMap</name><!--必填参数，设置图源名称-->

    <minZoom>1</minZoom><!--必填参数，最小缩放级别-->

    <maxZoom>7</maxZoom><!--必填参数，最大缩放级别-->

    <tileType>PNG</tileType><!--必填参数，地图的图片格式，支持 JPG、PNG、GIF, 3 种配置-->

    <tileUpdate>None</tileUpdate><!-- 可选参数，绝对本地缓存的地图图片的刷新逻辑-->

    <url>http://116.62.28.103:9091/tdt/tdt_img/{z}/{x}/{y}.png</url><!--必填参数，表示访问的 url 规则，即：如何由 x, y, z 拼出图片的在线网址-->








</customMapSource><!--必填参数，图源结束声明-->
```




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在配置文件编写好后，需要将文件添加到Mobile Atlas Creator安装目录下面的mapsources子目录：

<input type="checkbox"/> 名称	修改日期	类型	大小
 CustomImgMap.xml	2021/5/28 20:00	XML 文档	1 KB
 CustomVecMap.xml	2021/5/28 19:59	XML 文档	1 KB
 mp-openstreetmap.jar	2020/4/13 17:35	Executable Jar File	19 KB
 mp-region_america_north.jar	2020/4/13 17:35	Executable Jar File	16 KB
 mp-region_europe.jar	2020/4/13 17:35	Executable Jar File	7 KB
 mp-region_europe_east.jar	2020/4/13 17:35	Executable Jar File	12 KB
 mp-region_oceania.jar	2020/4/13 17:35	Executable Jar File	5 KB



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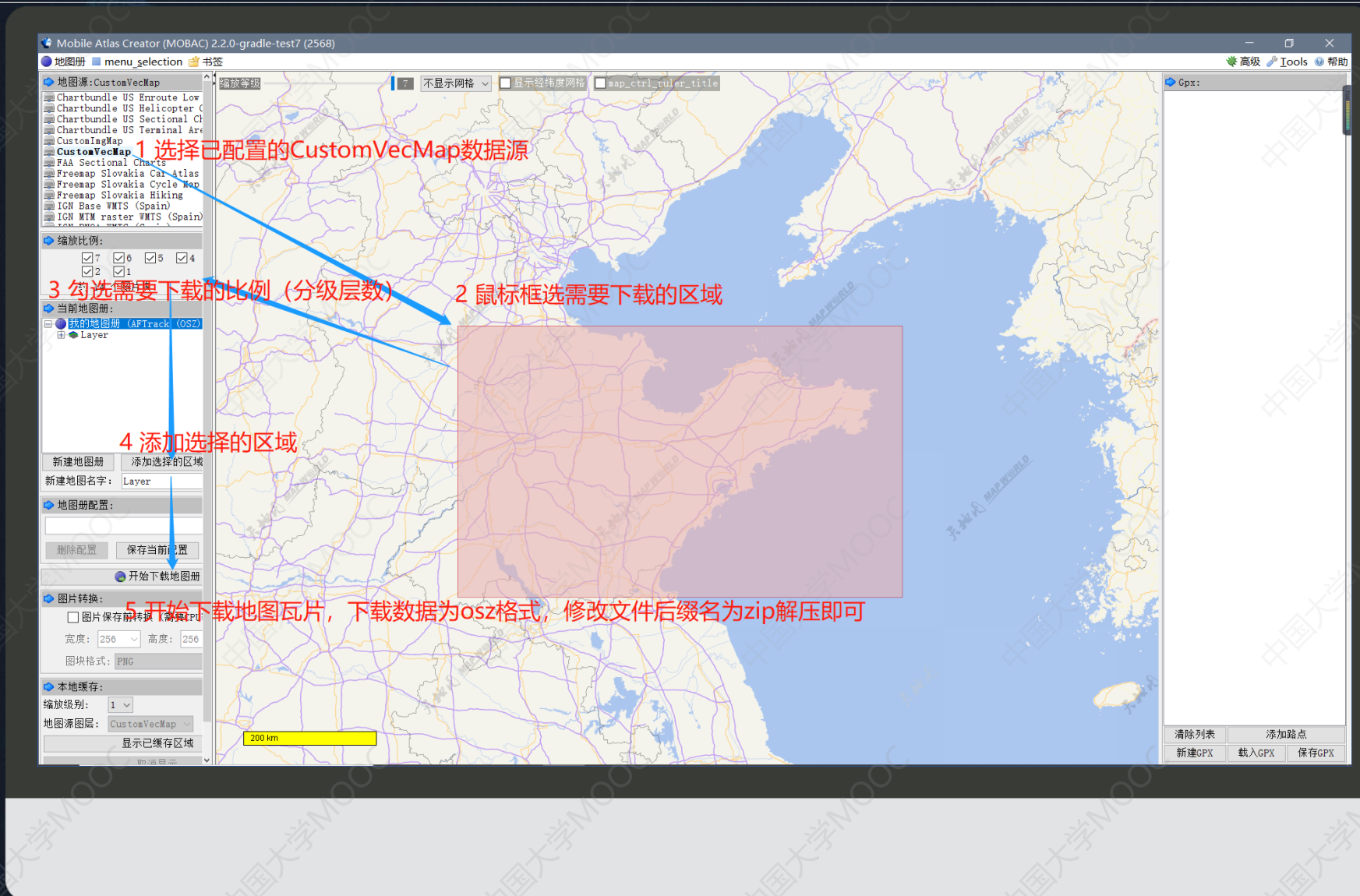
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- 1 找到配置的教学实验平台数据源（地图或者影像瓦片）；
- 2 定位到所需要下载的区域，并框选；
- 3 勾选所需要下载的比例尺层级；
- 4 将勾选的区域添加到下载地图集，默认是地图册（AFTrack）；
- 4 点击开始下载按钮即可。



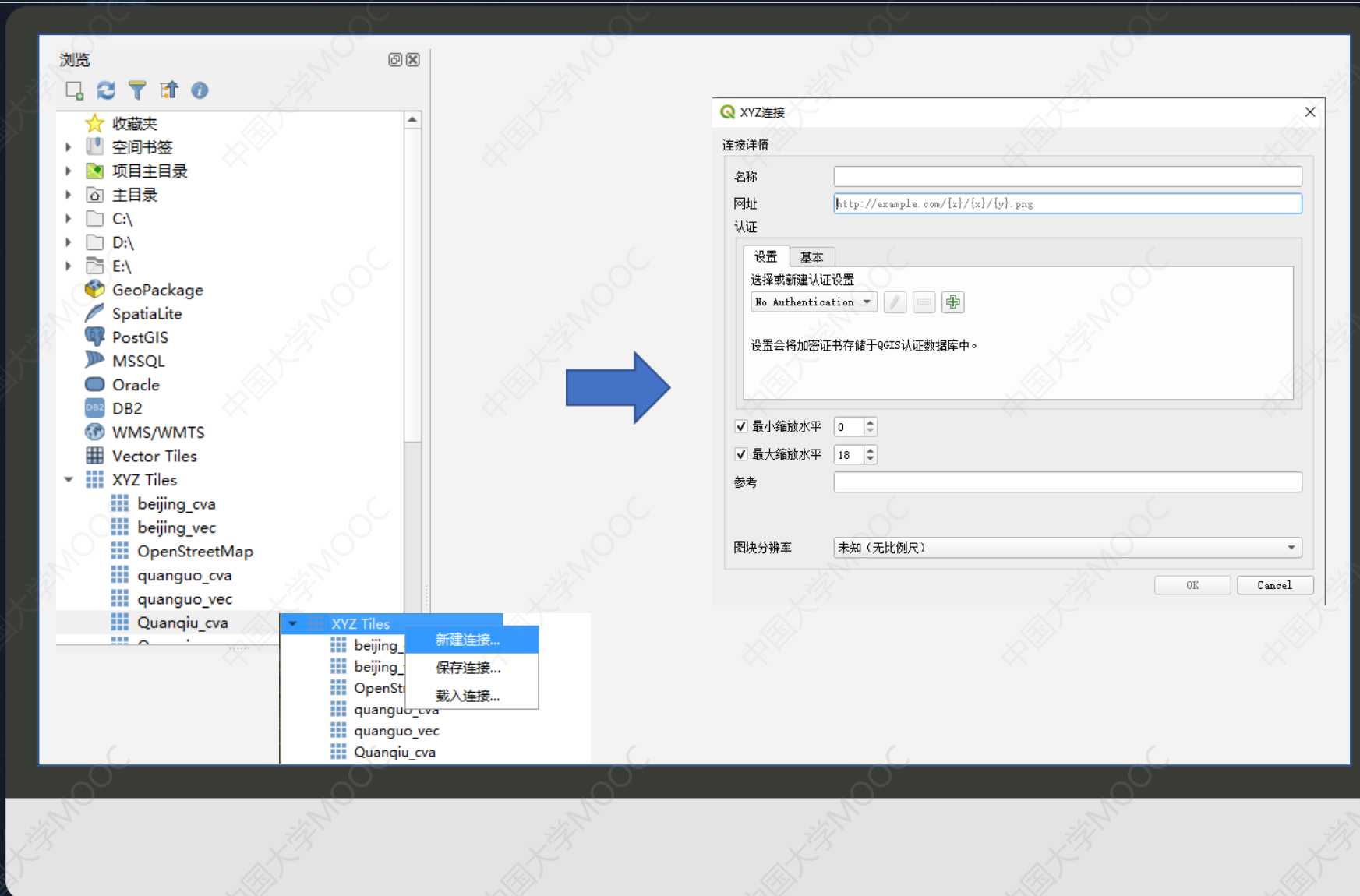
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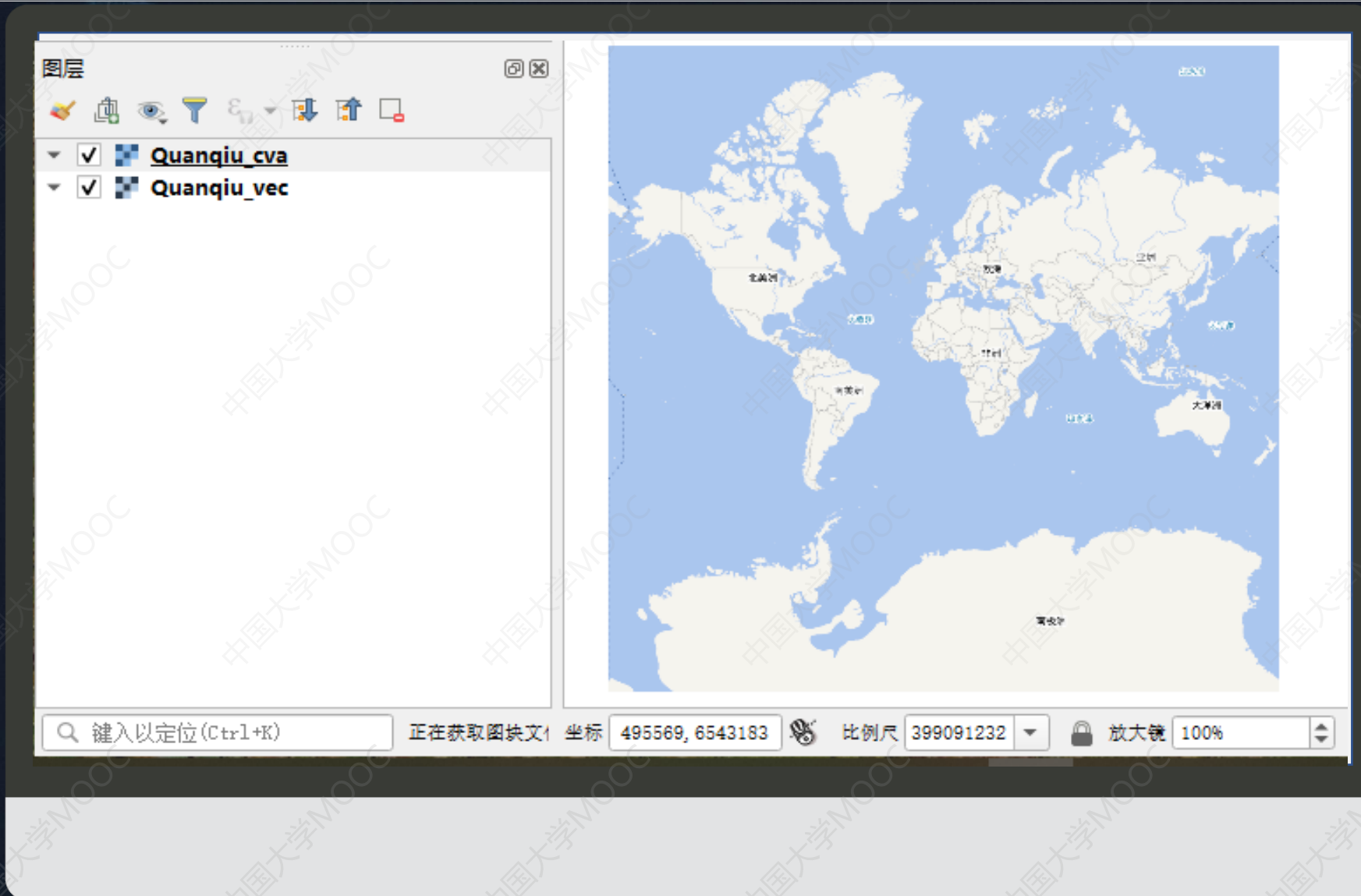
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谢谢观看