Multi-Protocol Geospatial Client (MPGC) Quick Start

The following tutorial describes

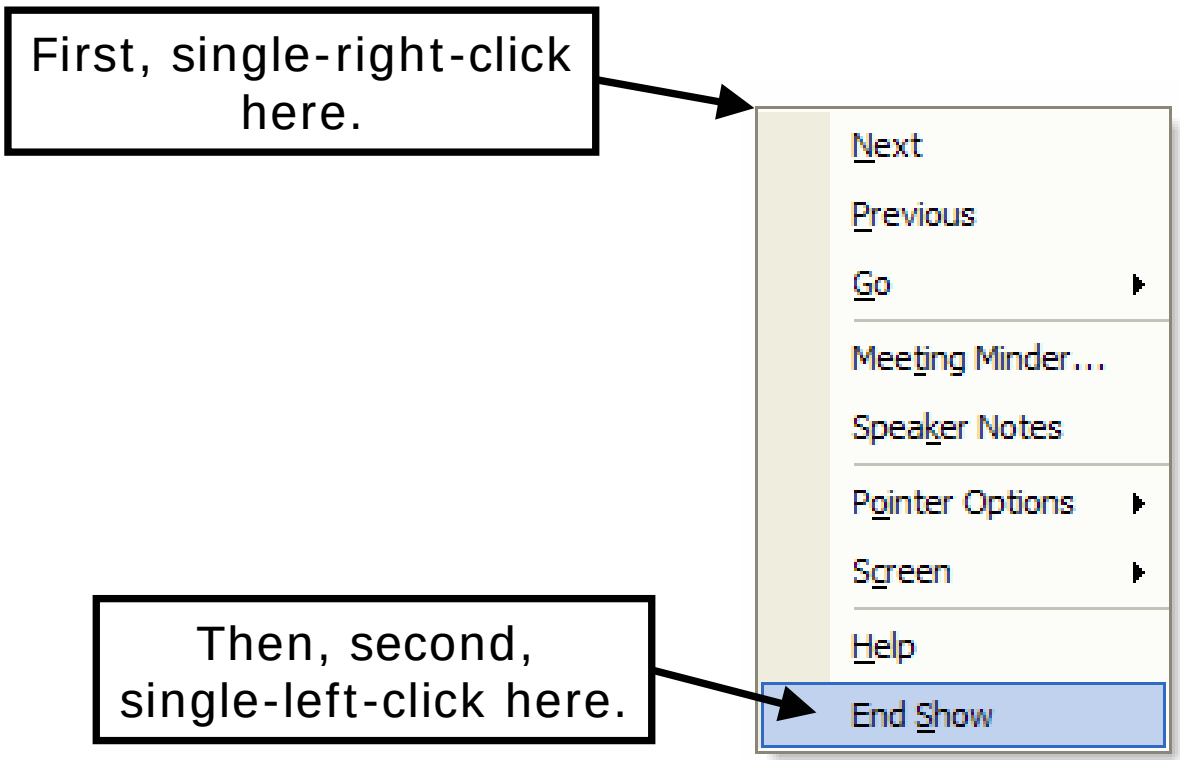
the download and installation of Multi-Protocol Geospatial Client (MPGC)

and ancillary software on a personal computer running the Windows XP operating system. The tutorial also shows you how to use MPGC to obtain a satellite map of any part of the world and import that map into Microsoft PowerPoint.

The tutorial includes three major parts. First, you download and install Java software. Then, second, you download and install MPGC. Third and last, you use MPGC to obtain a satellite map of Costa Rica and import it into Microsoft PowerPoint. You can obtain similar maps for any part of the world. You just need to know the latitude and longitude of your region of interest.

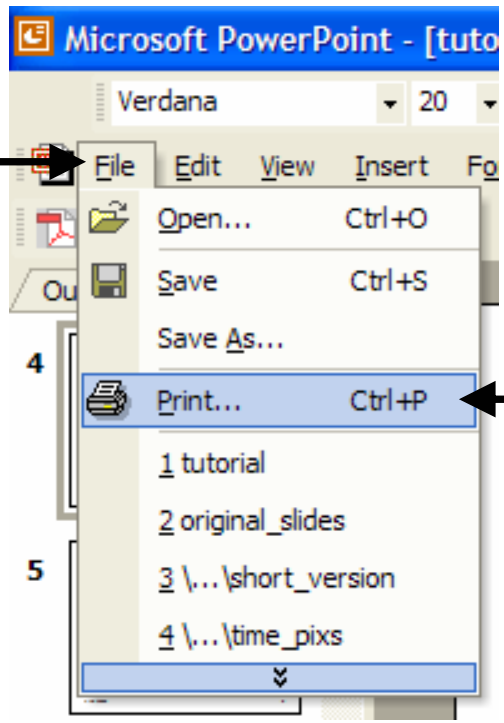
This is a beta test version of a tutorial. The author thinks this tutorial is problem-free. However, if you have trouble using this tutorial, please send e-mail to mabolins@mtsu.edu. In your e-mail, include the date (lower left corner of the slide), slide number(s) [lower right corner of the slide(s)] and a brief description of your problem.

Before proceeding with the actions described in the tutorial, print a copy and then dismiss PowerPoint. To print a copy, first end this presentation by single-right-clicking to obtain the context menu shown below. Then, second, single-left-click on “End” in the context menu. After ending the show, advance to the next slide and follow the instructions to print a copy of the entire presentation.



To print, pull down the “File” menu and single-left-click on “Print.”
Then proceed to the next slide.

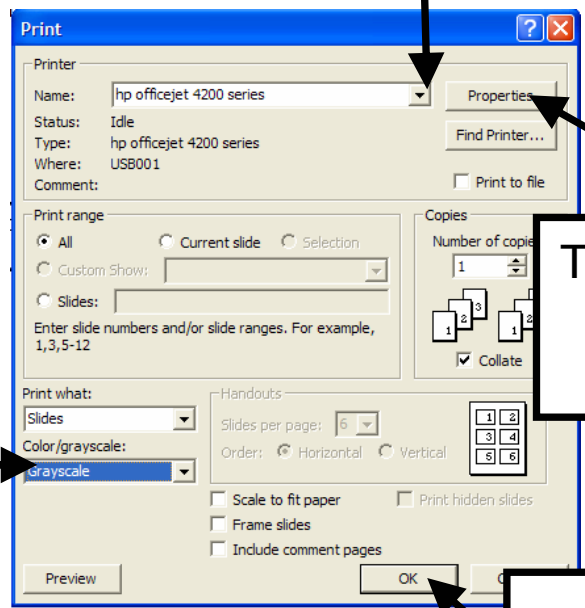
First, single-left-click here.



Then, second, single-left-click here.

On the print window, first make sure you select the correct printer. Then, second, if desired, change “Color/grayscale” to “grayscale” to save color ink. Third, click on “Properties” and make sure you print in “Landscape.” (The “Properties” window varies from printer to printer, so, after you click on “Properties,” you’ll have to figure out how to set printing to “Landscape.”) Fourth and last, click on the “OK” button to print.

First, select the correct printer.



Third, click on “Properties” and set printing to “Landscape.”

Second, if desired, print in grayscale to save color ink.

Fourth, click on the “OK” button.

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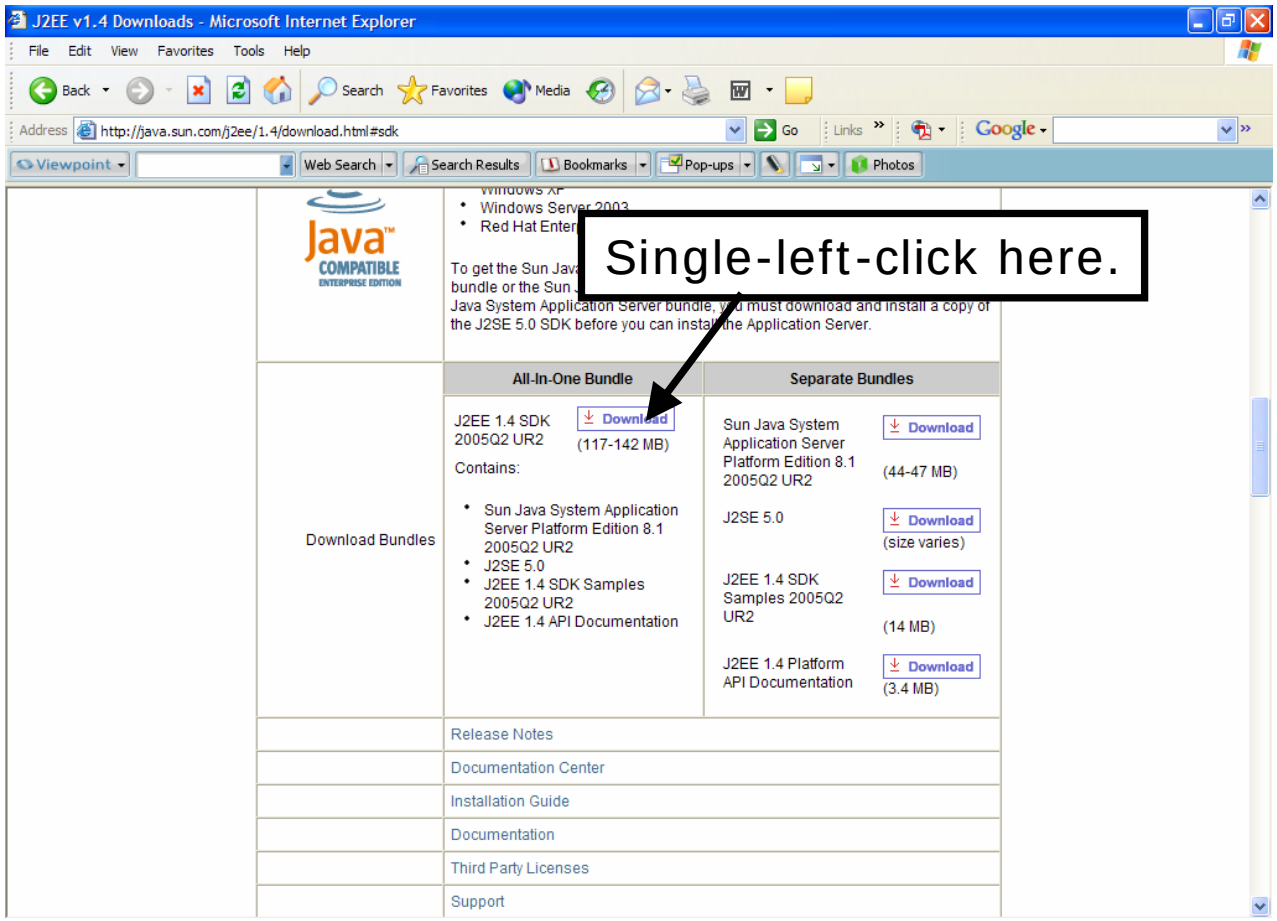
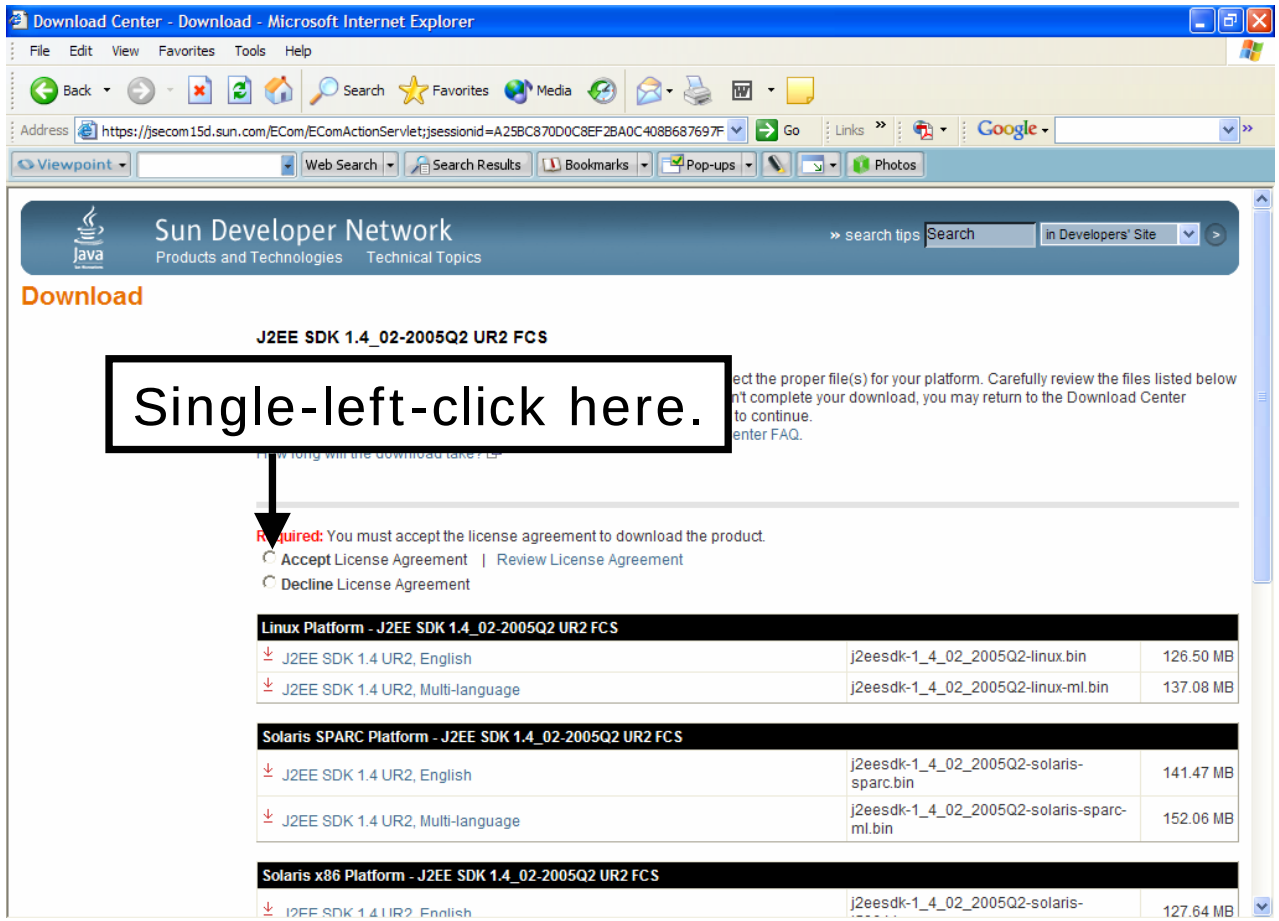
Java2ee 1.4 SDK

Launch Internet Explorer and go to http://java.sun.com/j2ee/1.4/download.html#sdk .
After you enter the preceding URL, the browser loads the page shown below. After this page loads, proceed to the next slide.

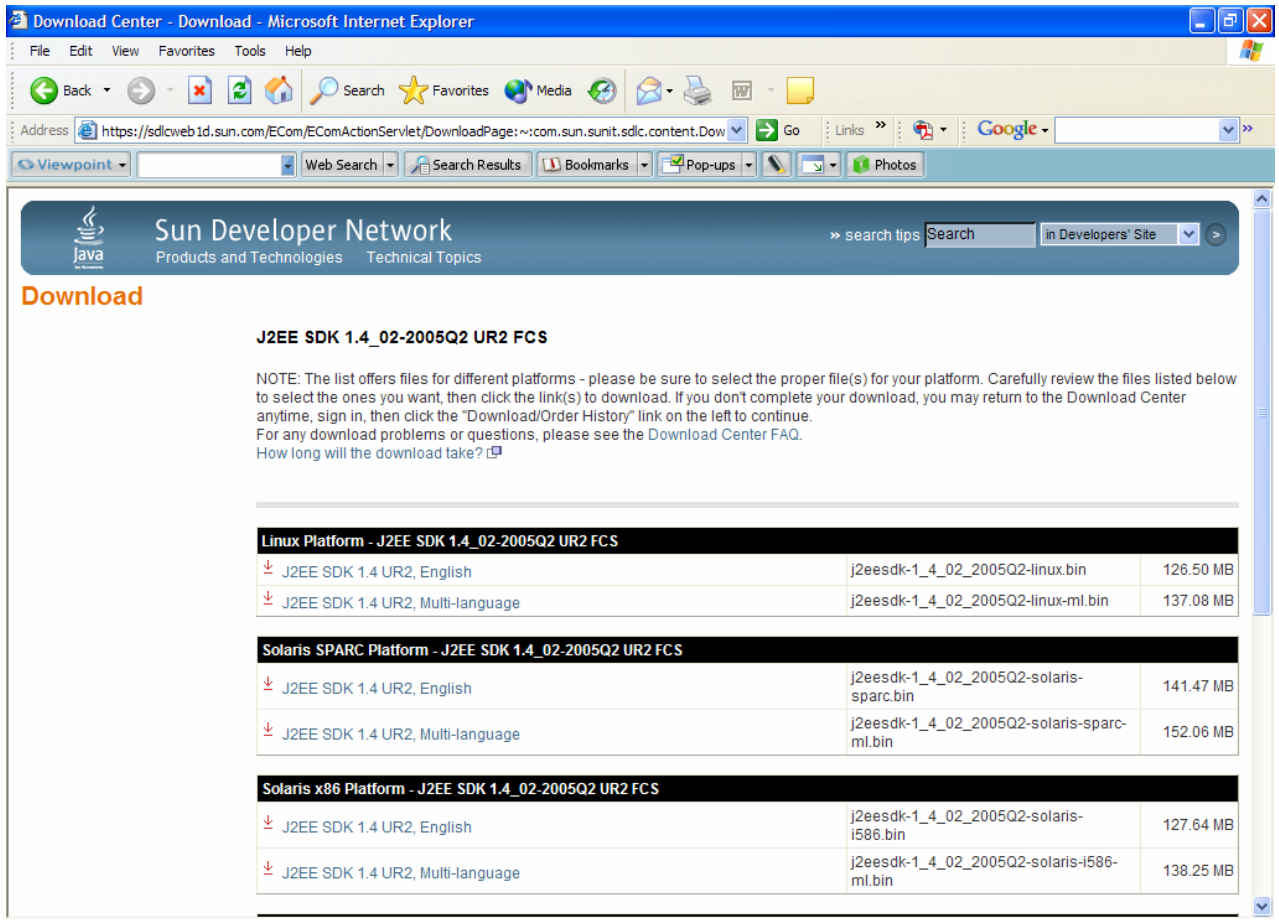
Scroll down and click on the appropriate download button (see below). After you click on this button, a new web page loads (see next slide).



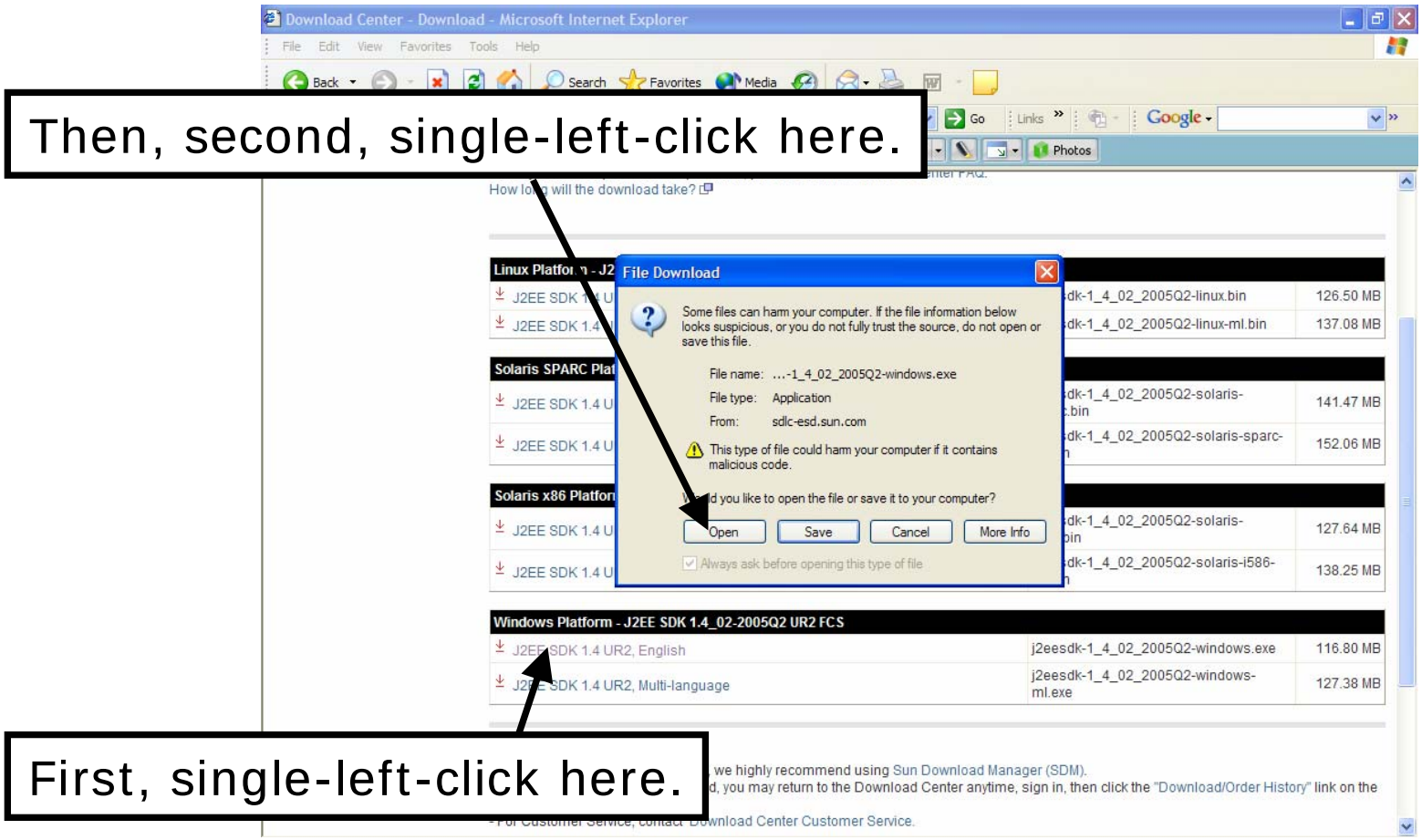
Accept the License Agreement (see below). After you accept the license agreement, a new web page loads (see next slide).



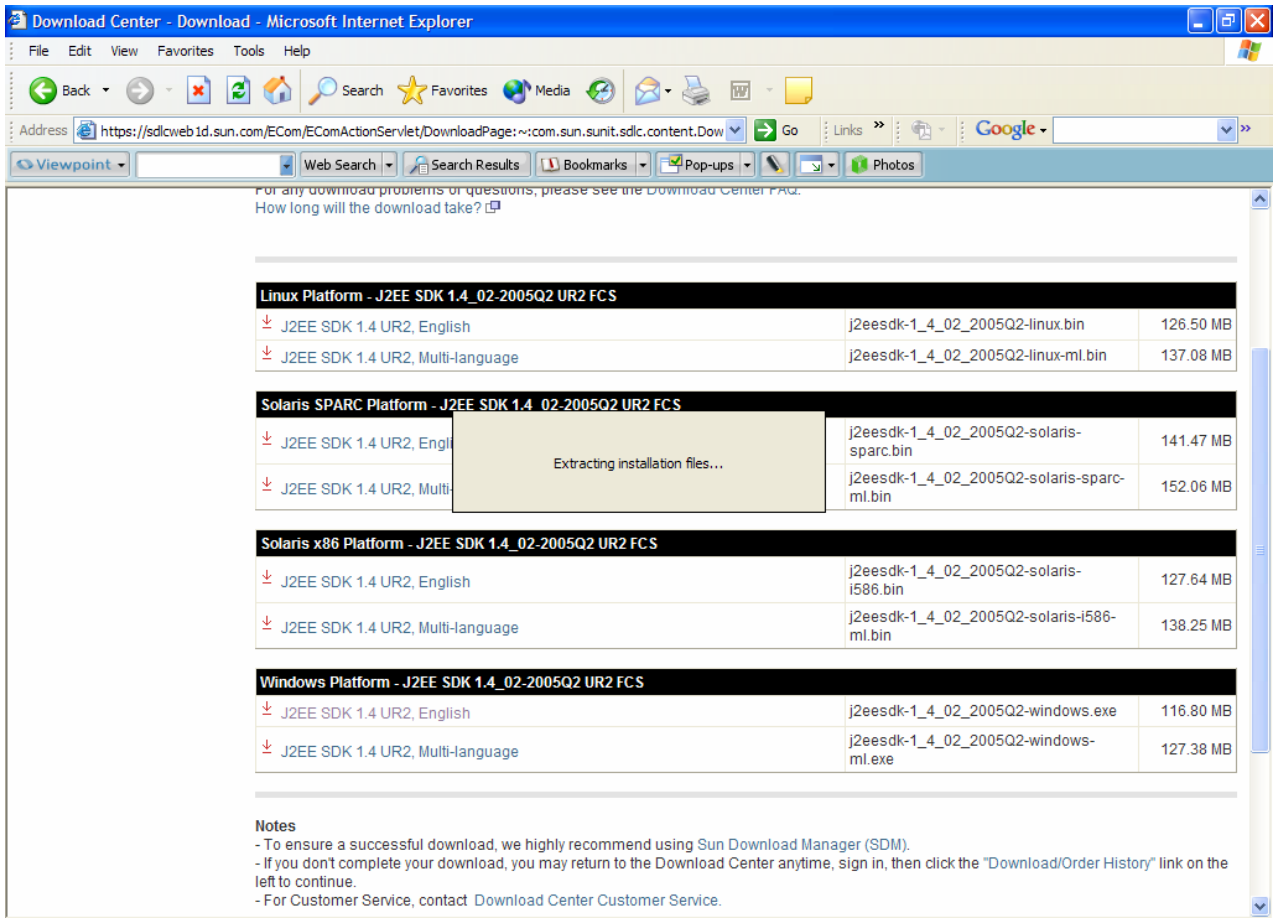
If you are using any other programs (e.g., PowerPoint), stop them. Then, download J2EE 1.4 for a “Windows platform.” To do this, scroll down until the appropriate selection appears on the web page (see next slide).



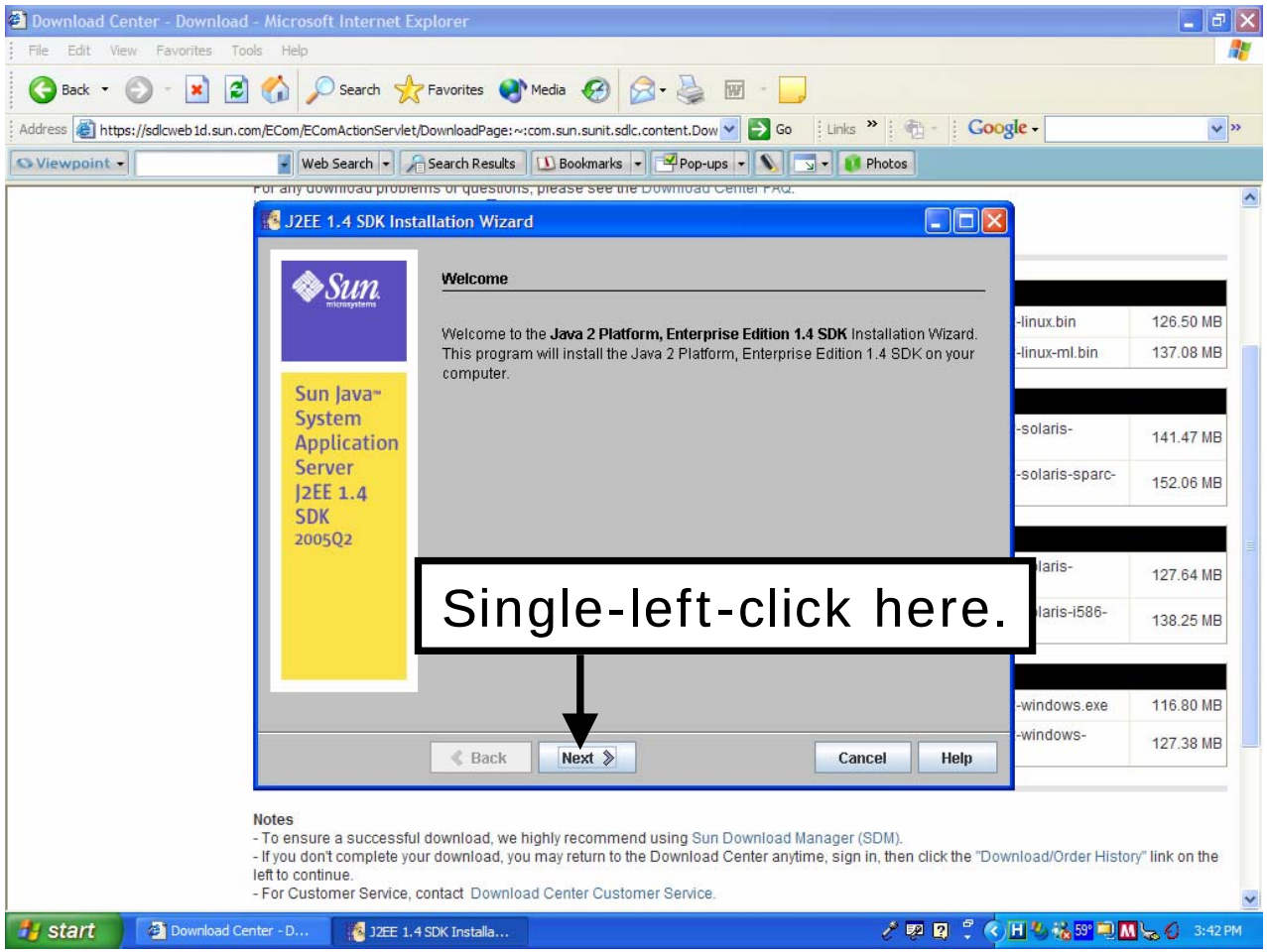
Click on the appropriate file name (see below). After you click on this name, the “File Download” window appears. On this window, click on the “Open” button. After you click on this button, another window pops up (see next slide).



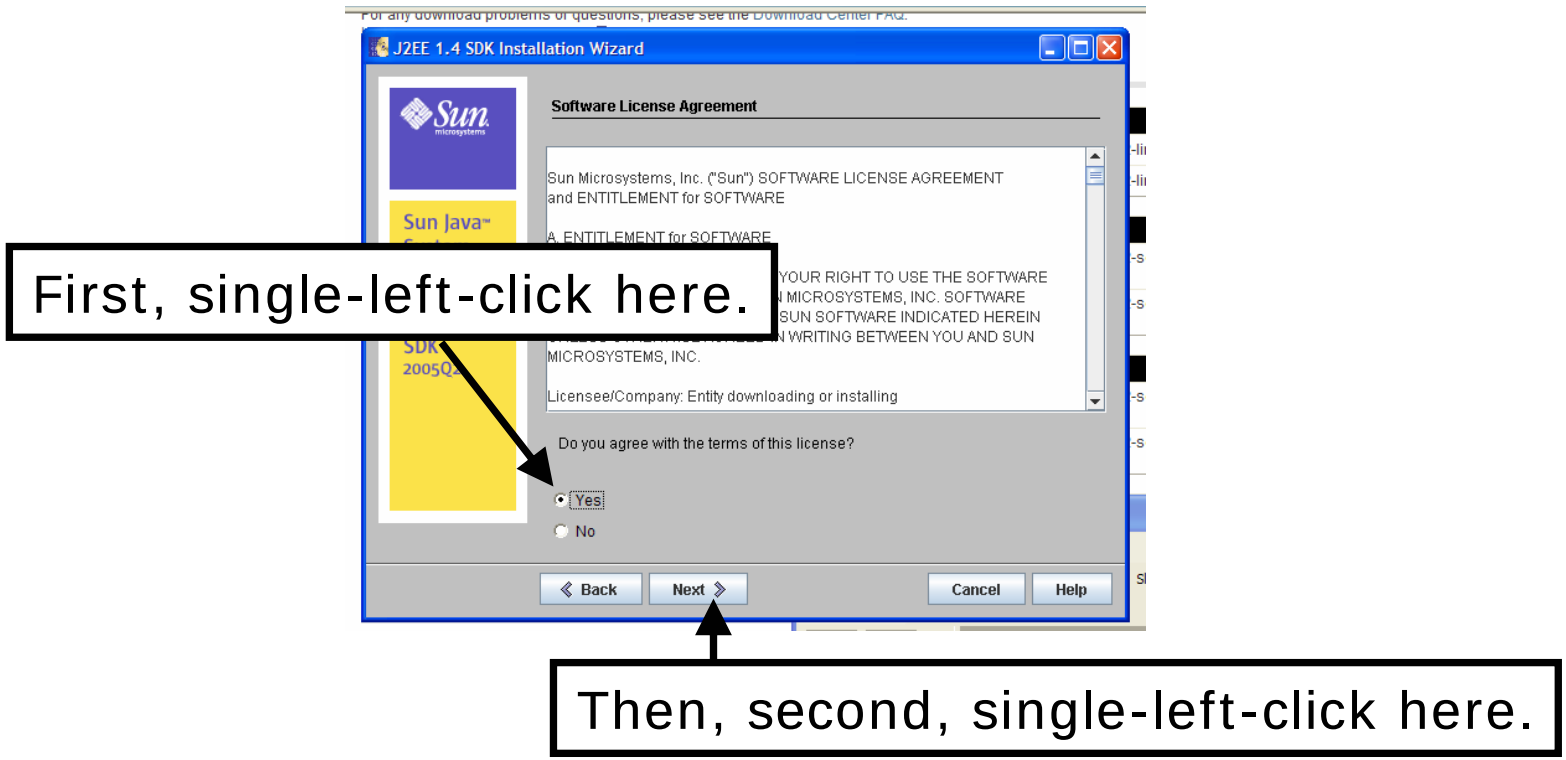
Please wait while the files extract. Eventually, an installation window appears (see next slide).



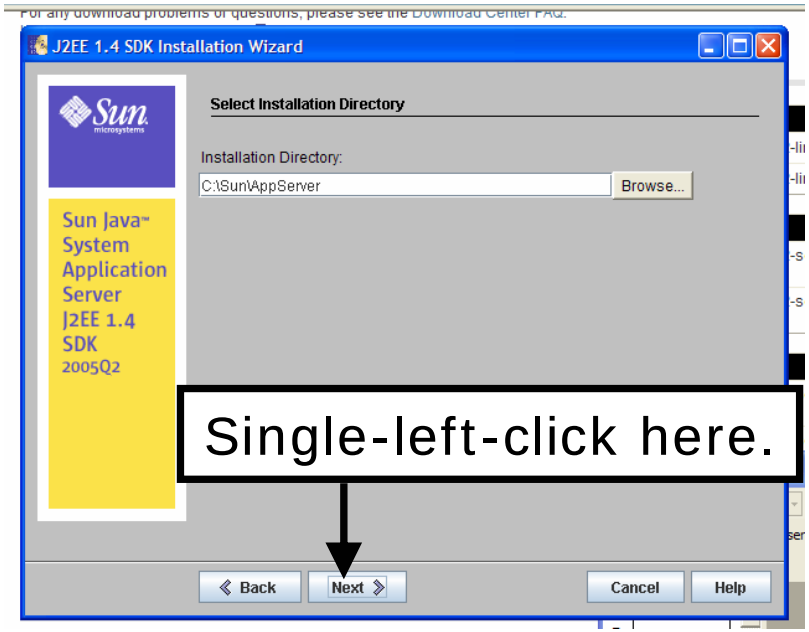
Click on the “Next” button as shown below, and the wizard will move forward (see next slide).



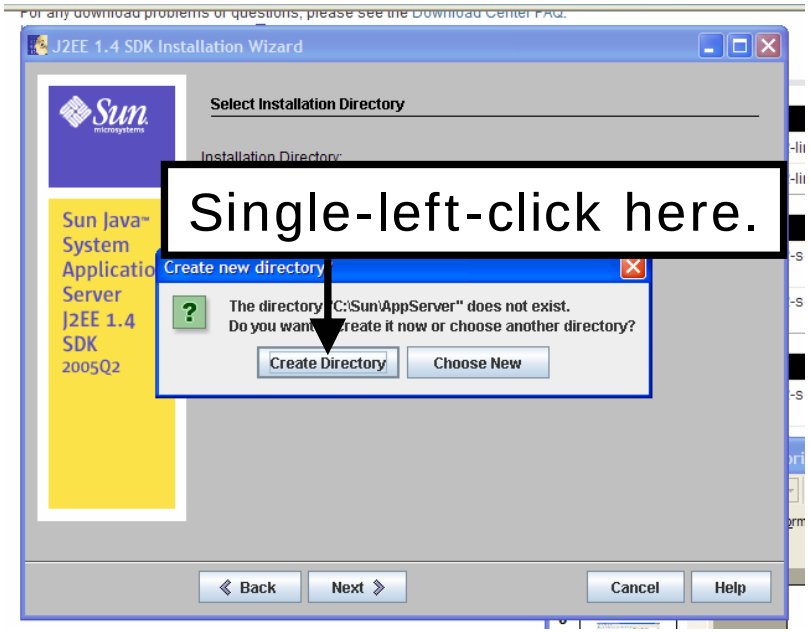
Agree with the license terms as shown below. Then, click the “Next” button and advance to the next prompt (see next slide.)



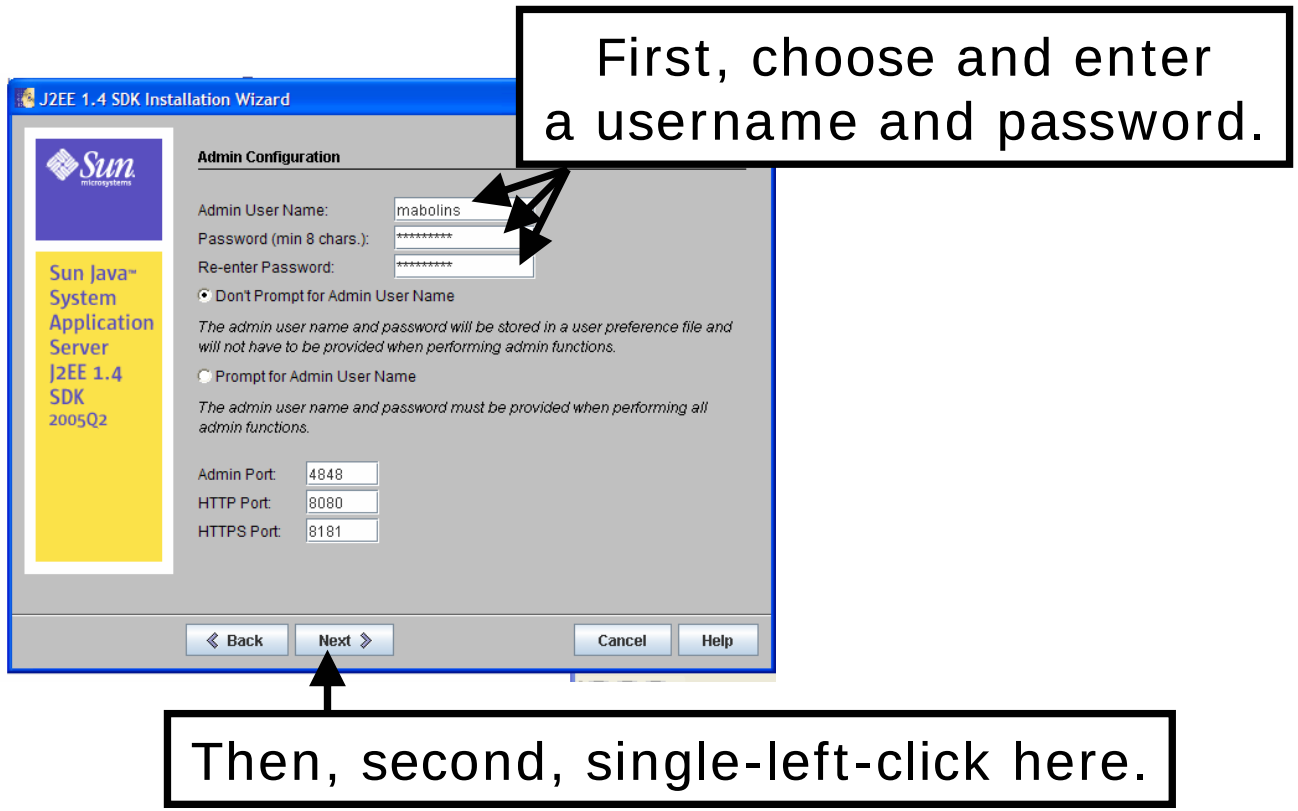
If you wish, change the installation directory. Otherwise, simply click on the “Next” button and advance to the next prompt (see next slide).



If necessary (and it probably is), create the directory by clicking as shown below. The wizard advances to the next prompt (see next slide).

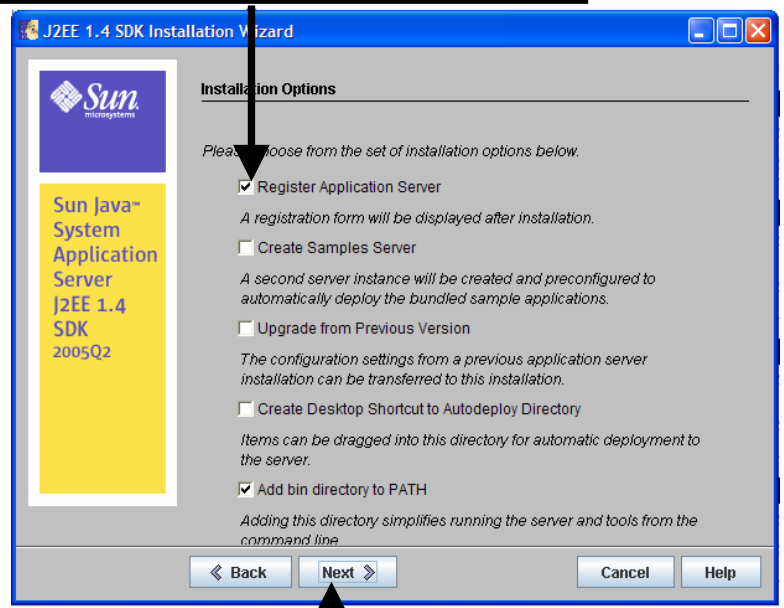


Enter a username and password. (You choose both – just make sure you remember them.) Don't change other entries (e.g., the address port). Finally, click on the "Next" button and advance to the next prompt (see next screen).



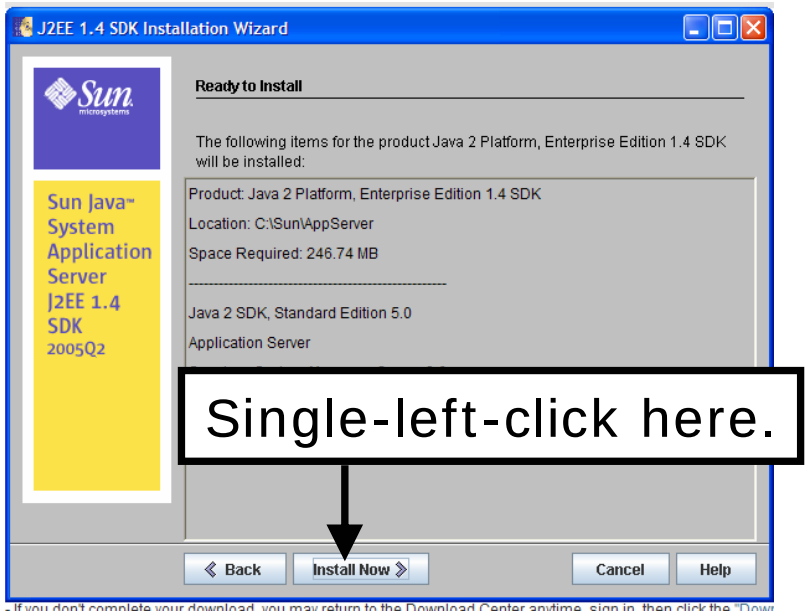
Uncheck the “Register Application Server” box. The, click on the “Next” button and advance to the next prompt (see next screen).

First, single-left-click here.

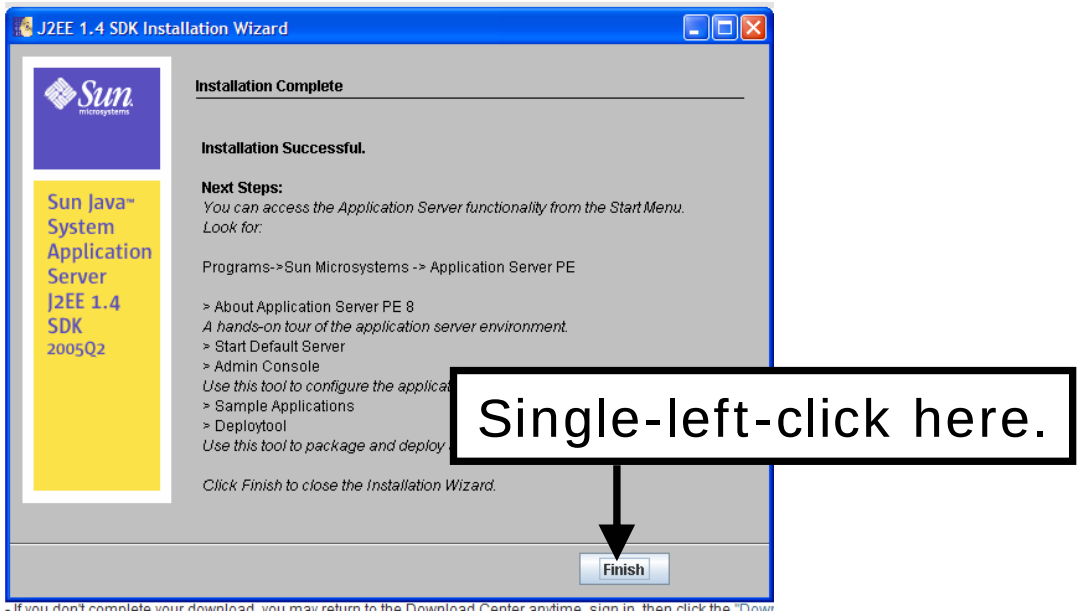


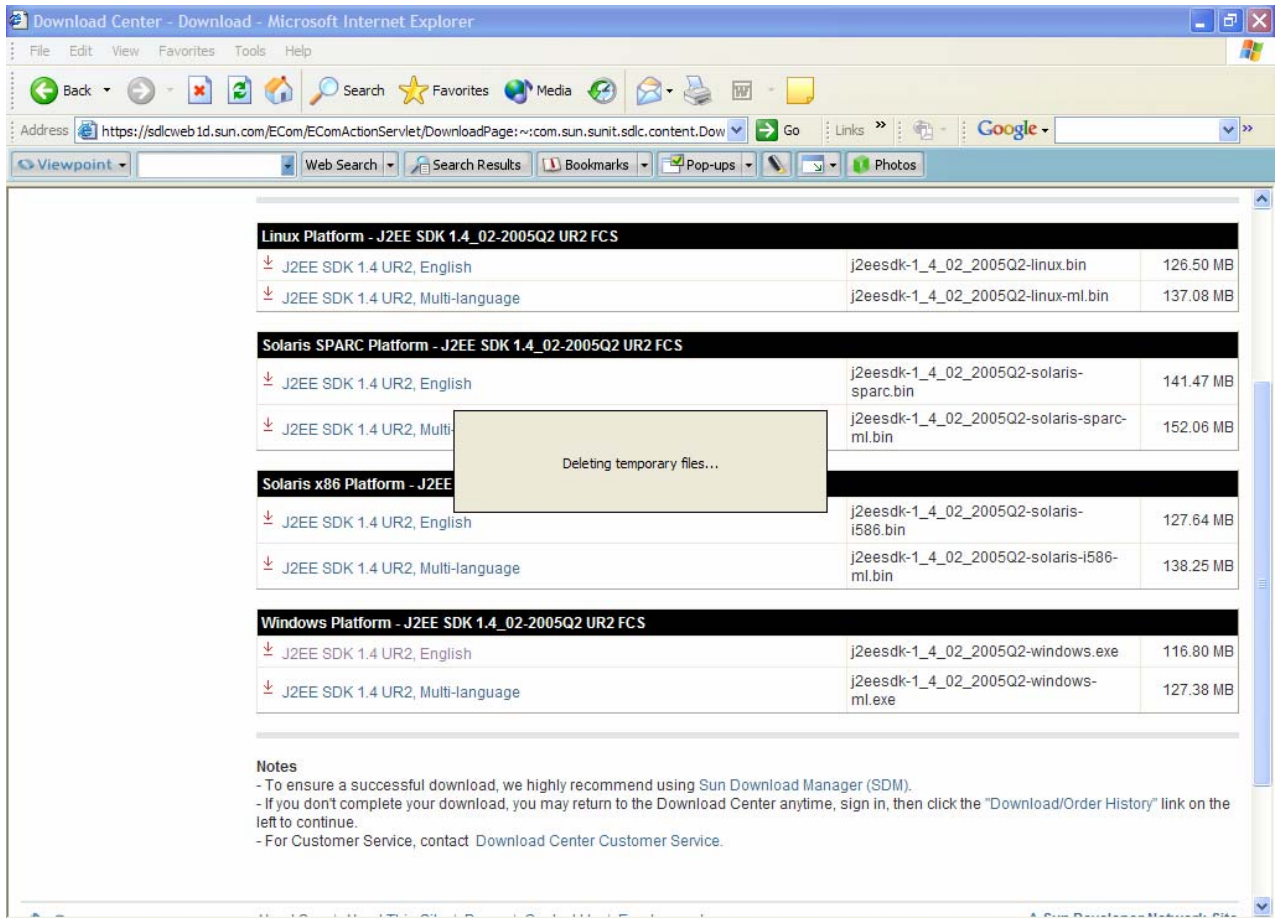
Then, second, single-left-click here.

Click on the “Install Now” button. After the software installs, another message appears (see next screen).



Click on the “Finish” button to dismiss the installation wizard. After you click on this button, additional messages appear and then a new web page loads (see next two slides).

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152.06 MB
Deleting temporary files...
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J2EE SDK 1.4 UR2, English
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J2EE SDK 1.4 UR2, Multi-language
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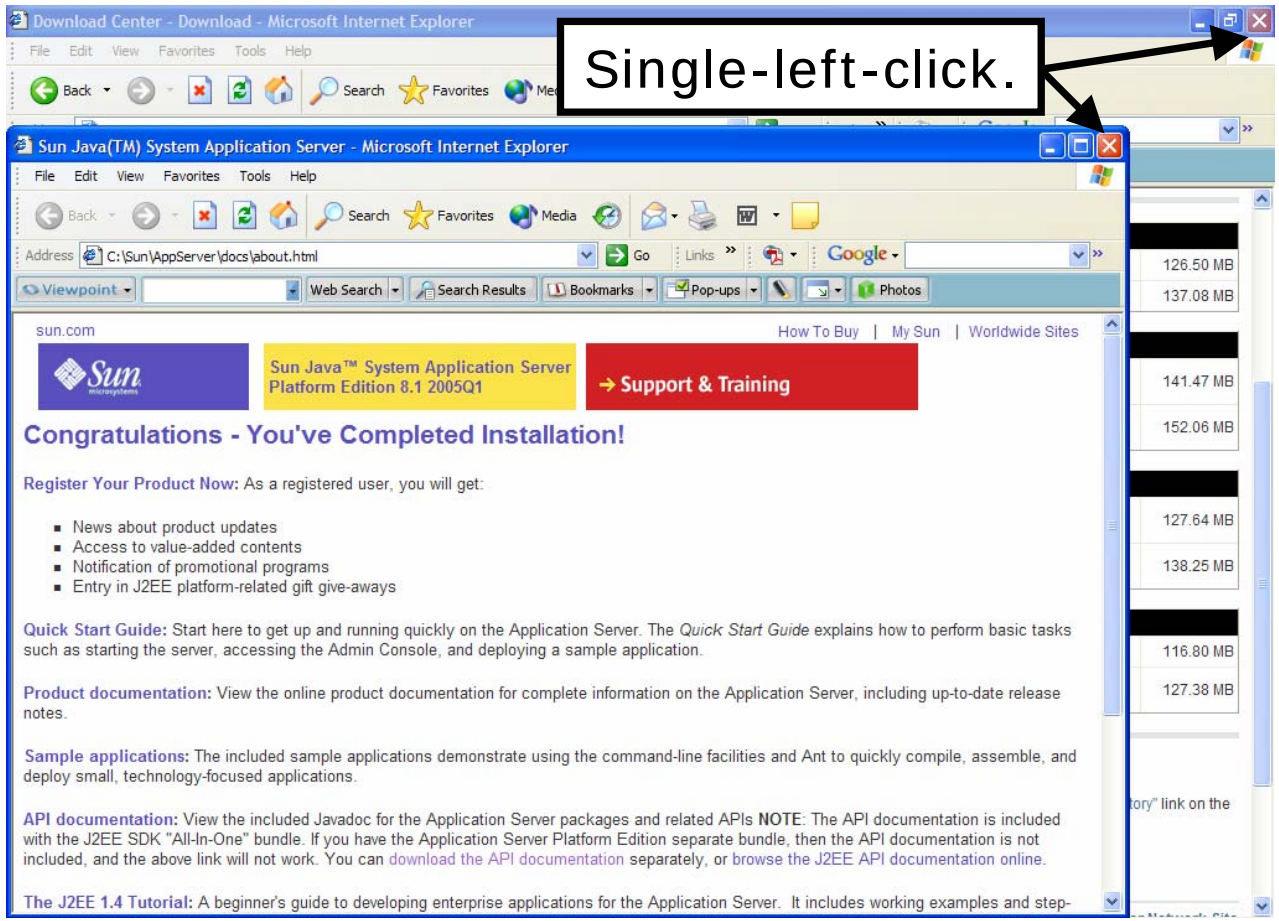
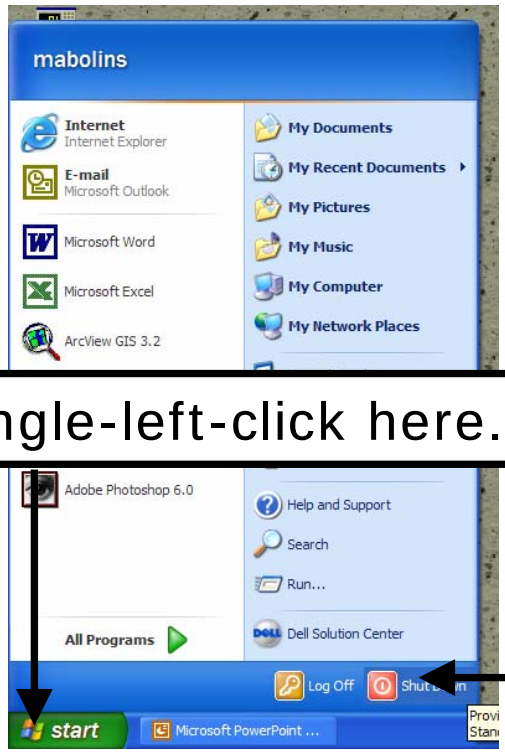
Notes
- To ensure a successful download, we highly recommend using Sun Download Manager (SDM).
- If you don't complete your download, you may return to the Download Center anytime, sign in, then click the "Download/Order History" link on the left to continue.
- For Customer Service, contact Download Center Customer Service.

Dismiss the web pages and then restart the computer (see next screen).



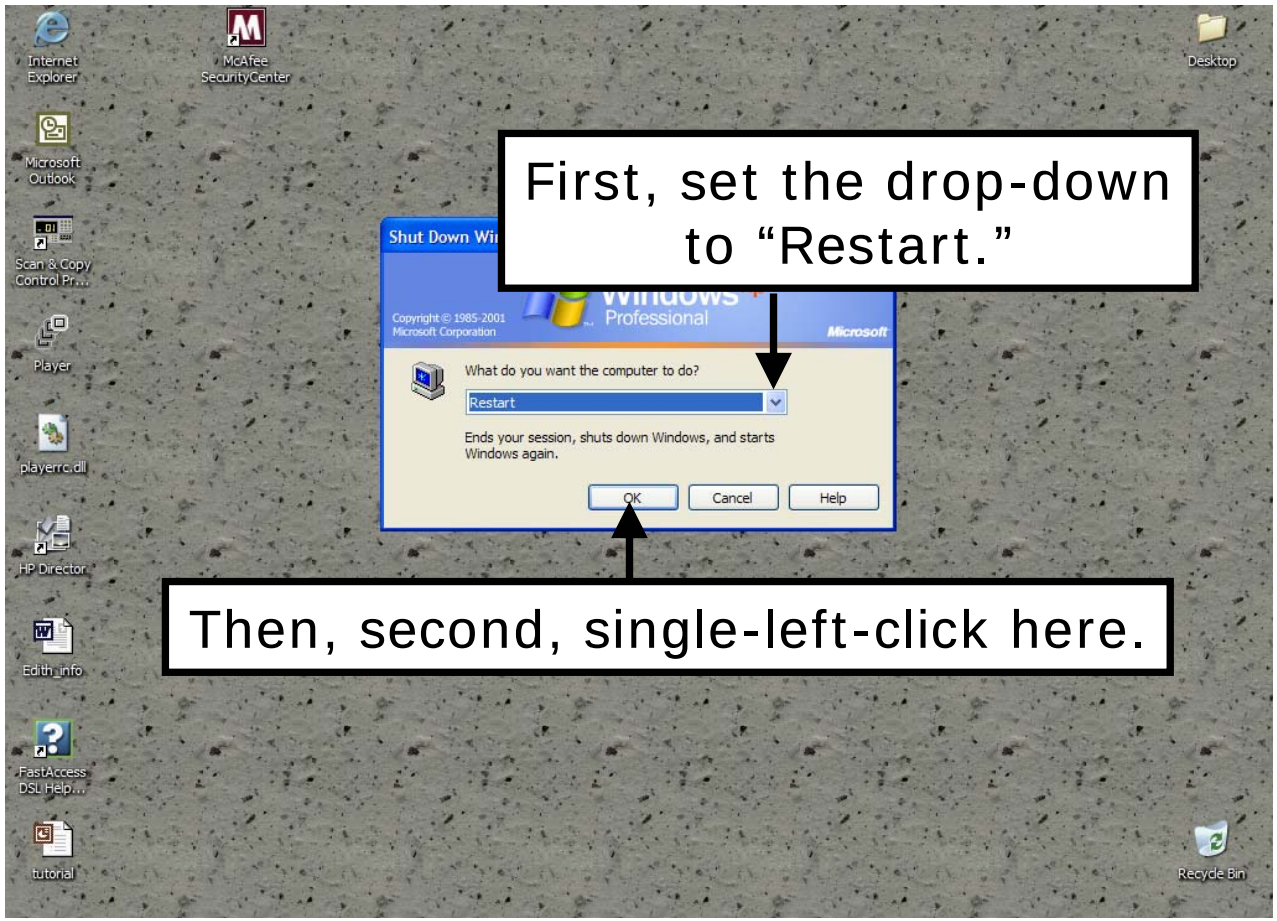
To restart the computer, click on the “start” button and the “Shut Down” button. After you click on these buttons, a window appears (see next slide).



First, single-left-click here.

Then, second, single-left-click here.

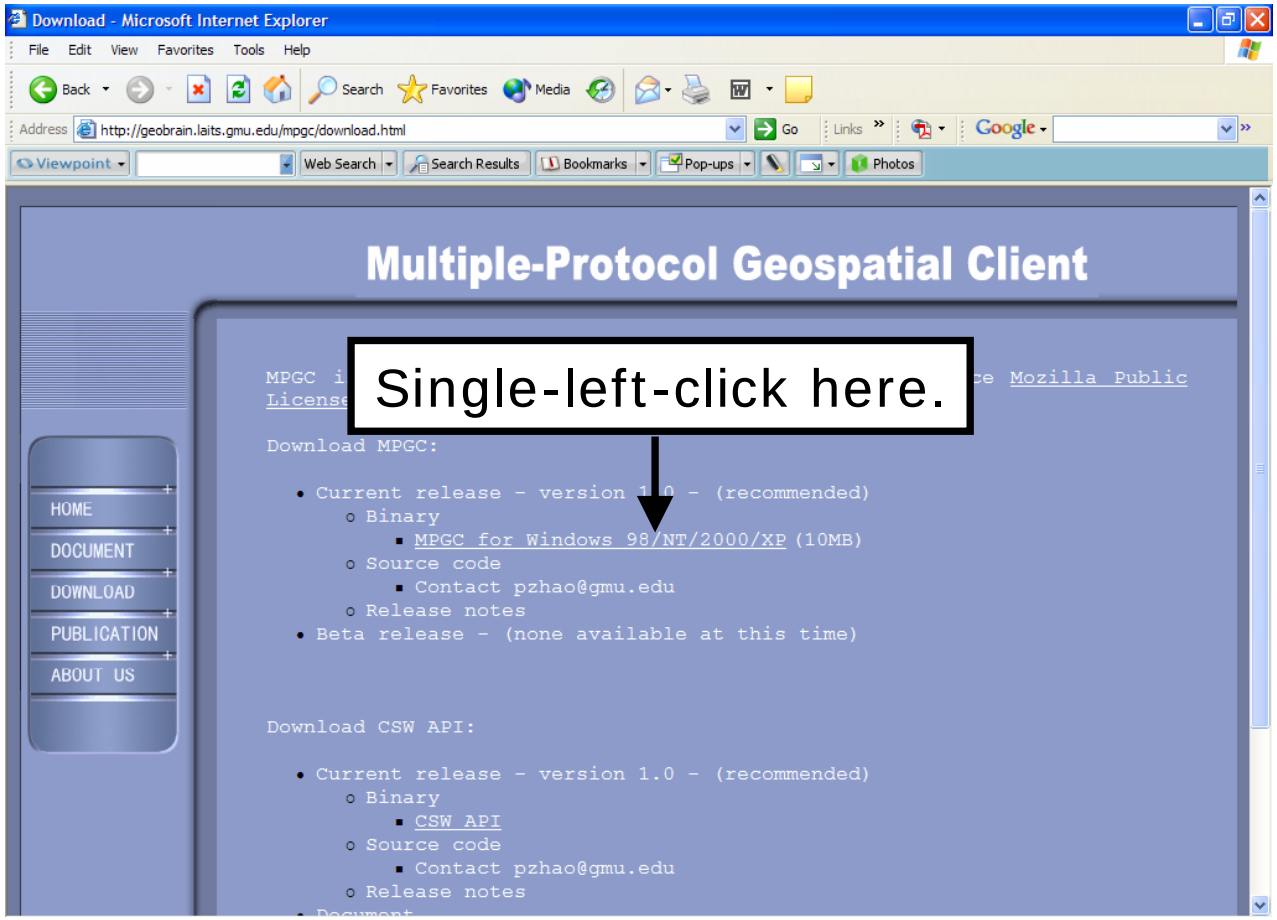
Set the drop-down to “Restart” and then click on the “OK” button. After the computer shuts down and restarts, proceed to the next slide and download the Multi-Protocol Geospatial Client (MPGC).



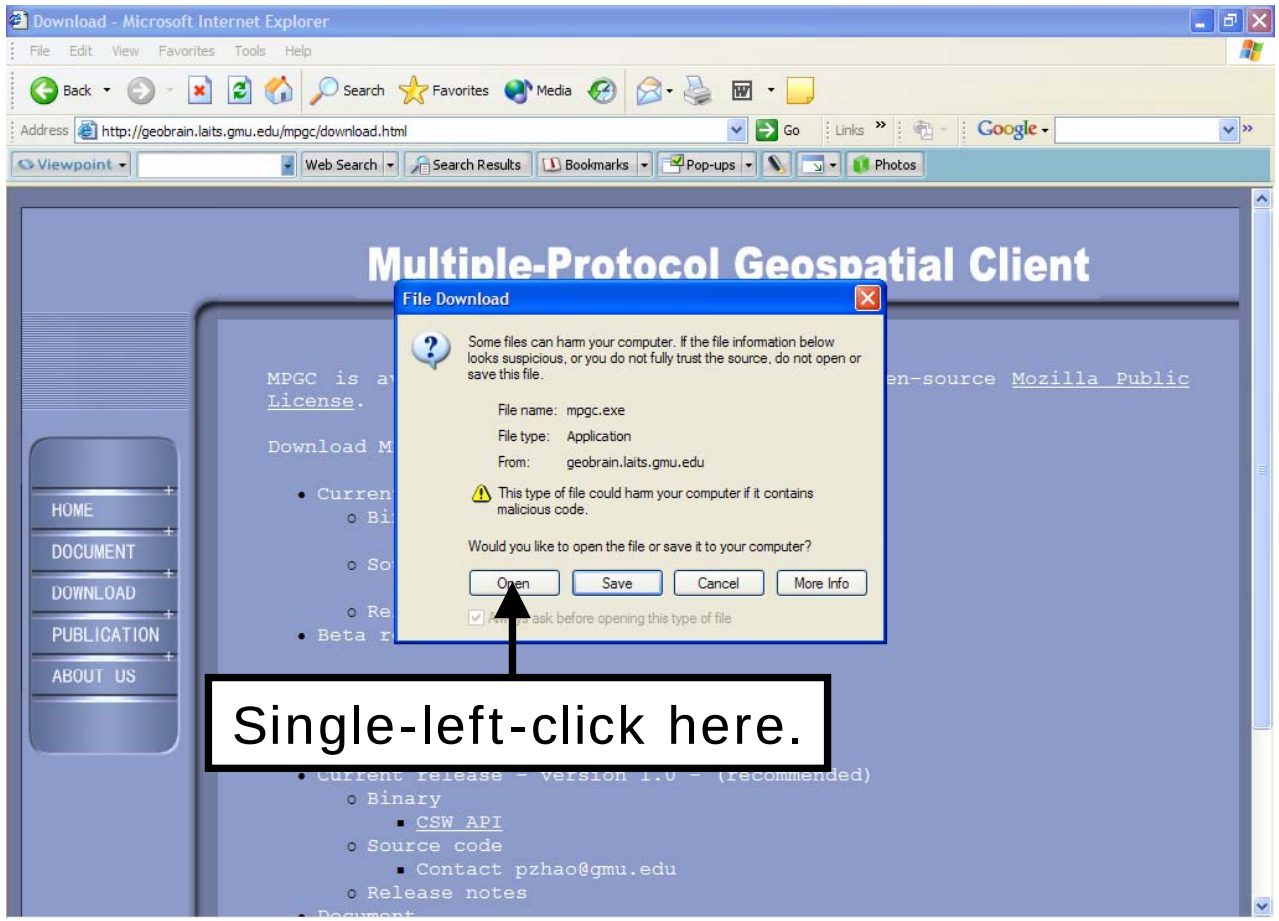
MPGC

- Download

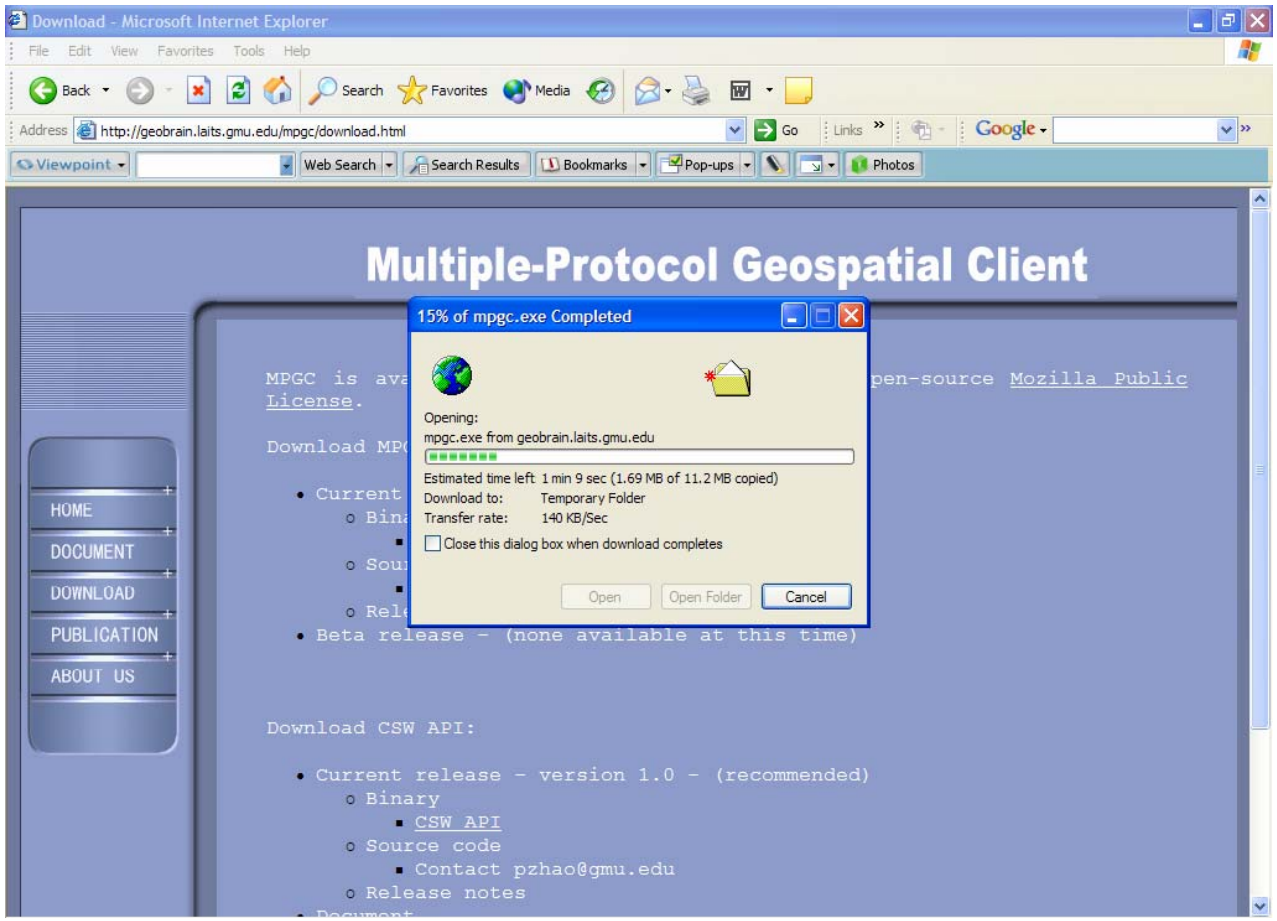
Launch Internet Explorer and go to http://geobrain.laits.gmu.edu/mpgc/download.html .
After you enter the preceding URL, the browser loads the page shown below. (If this page doesn't load, send e-mail to xxxxx@xxxx.) Click on the link to the MPGC download as shown below. When you click on this link, a window appears (see next slide).



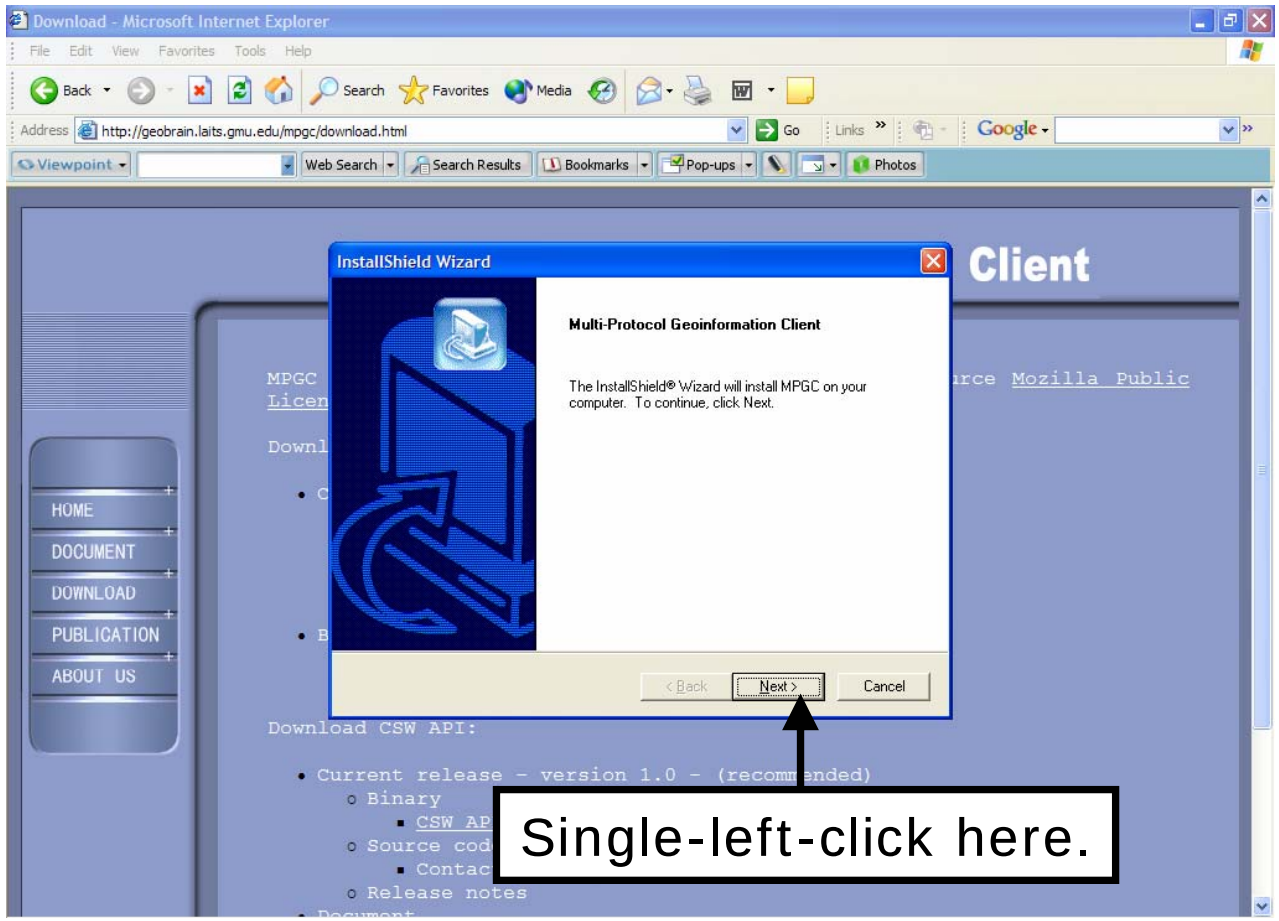
Click on the “Open” button and MPGC will download (see next slide).



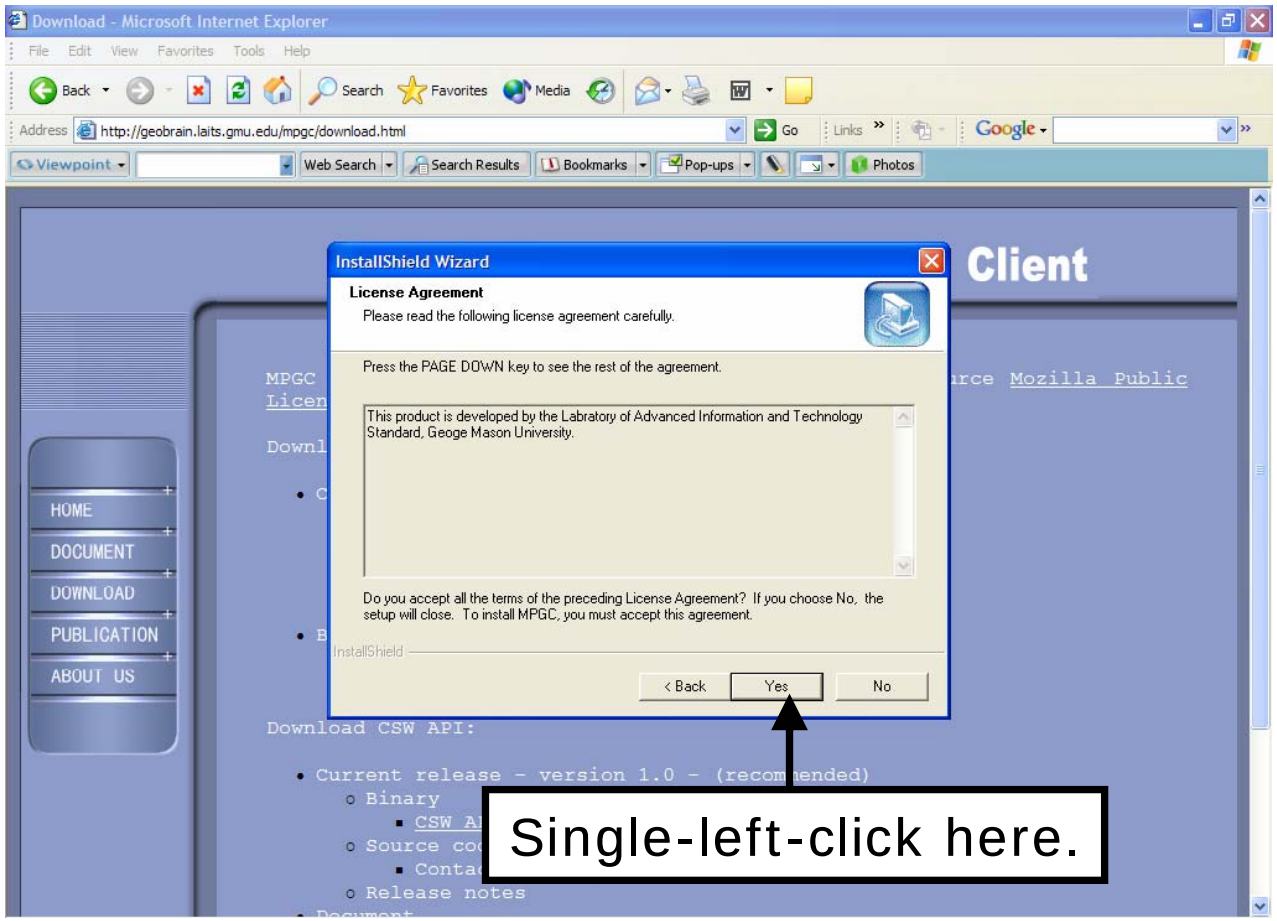
A window lets you monitor the progress of the download. After MPGC downloads, an installation wizard appears (see next slide).



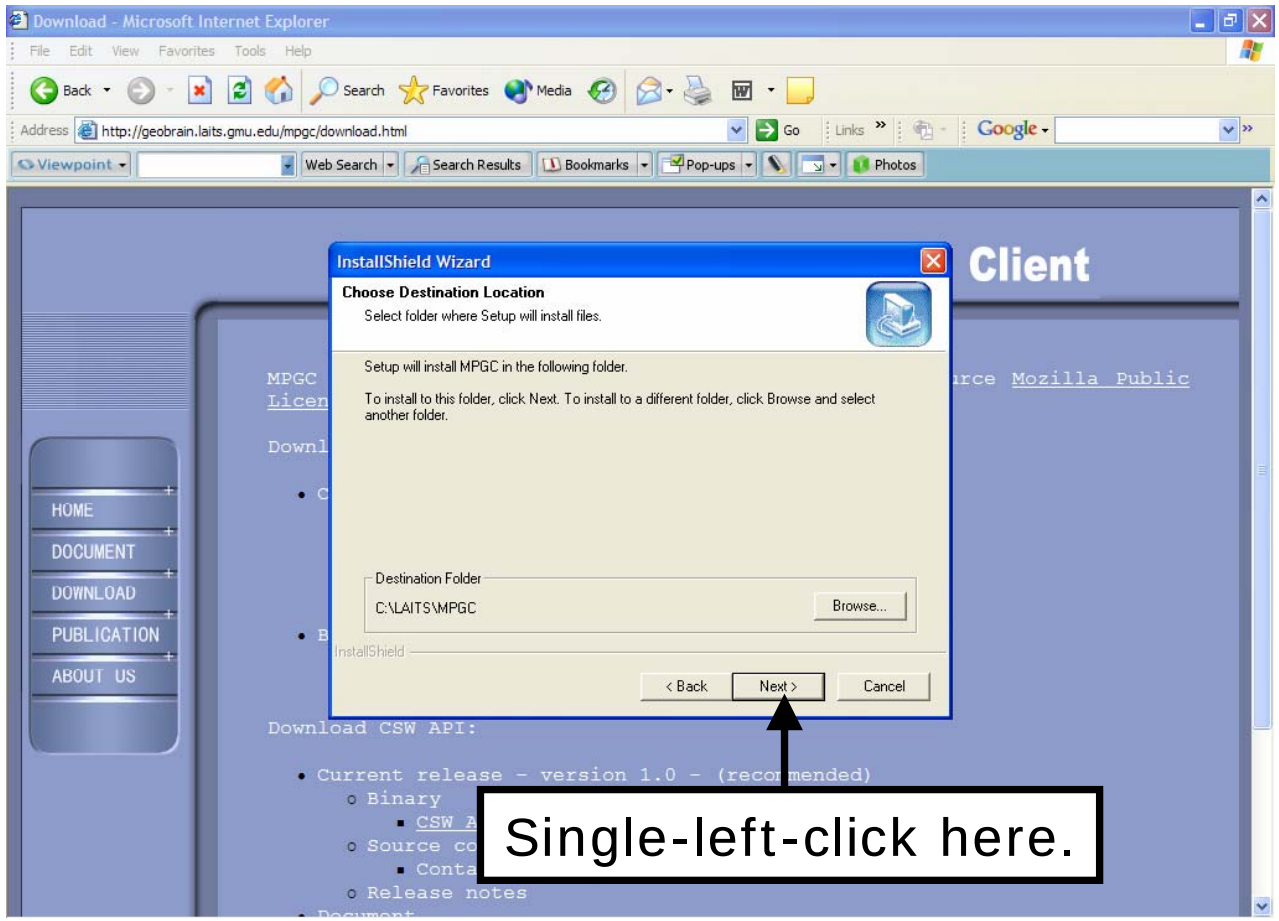
Click on the “Next” button and the wizard will advance (see next slide).



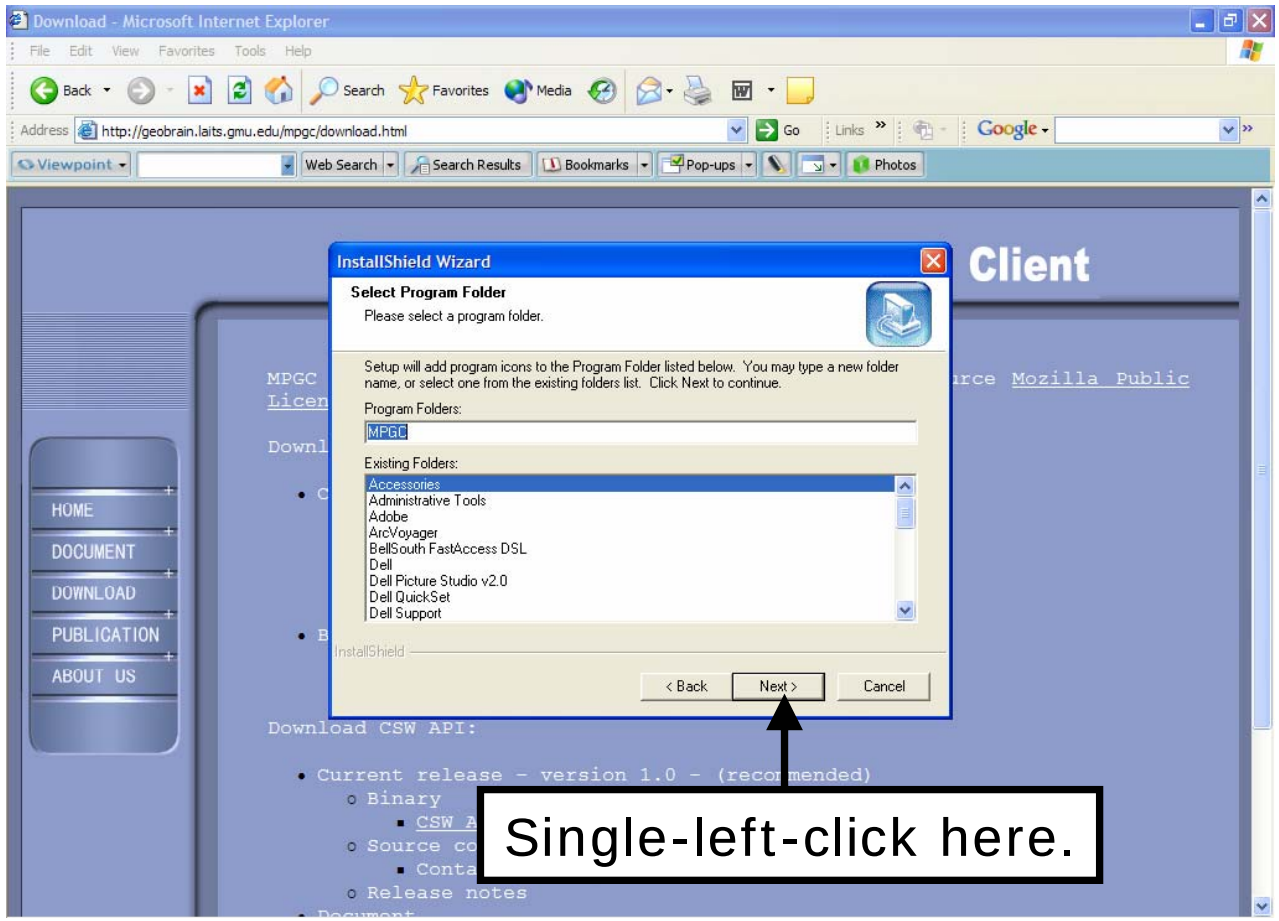
Click on the “Yes” button and the wizard advances (see next slide).



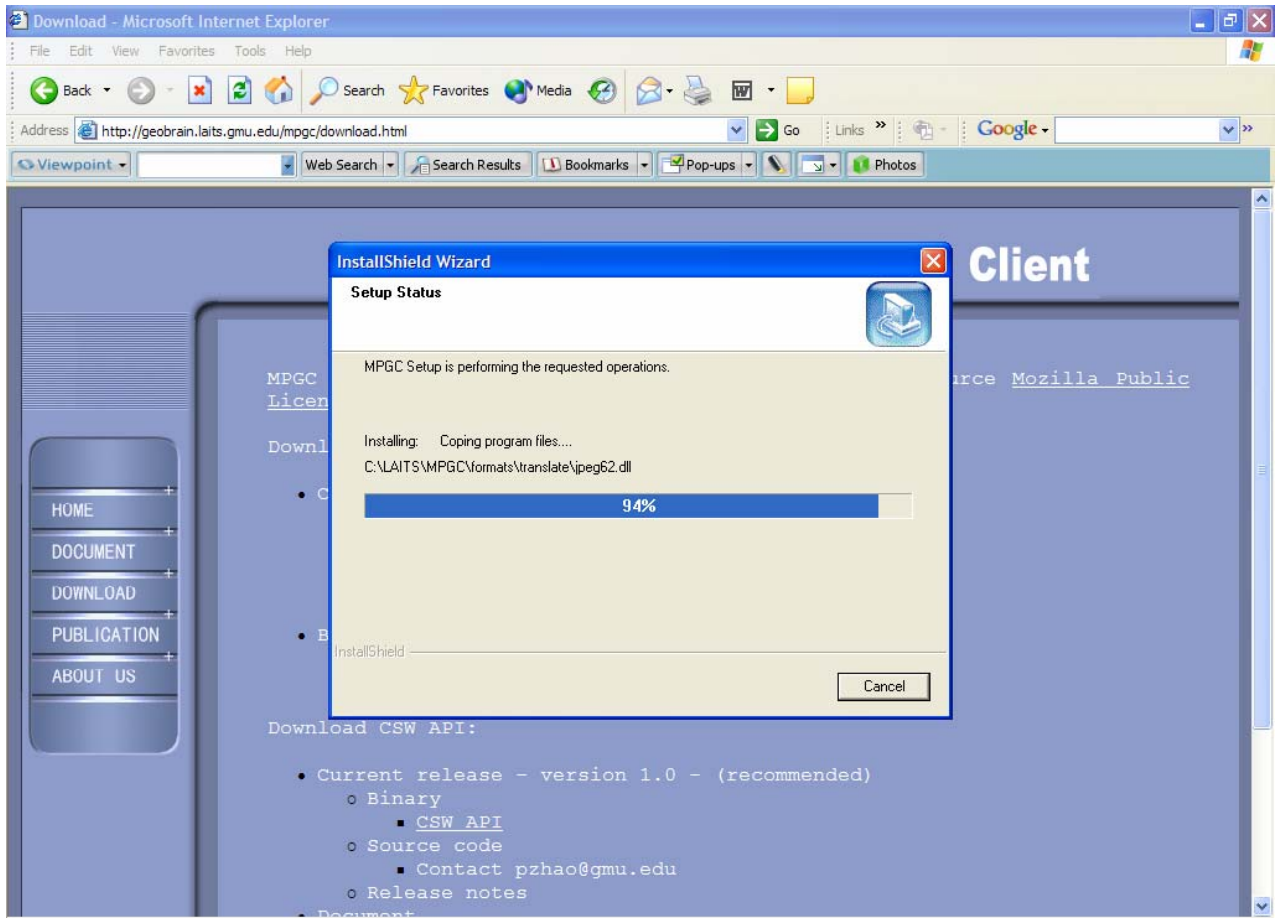
Click on the “Next” button and the wizard advances (see next slide).



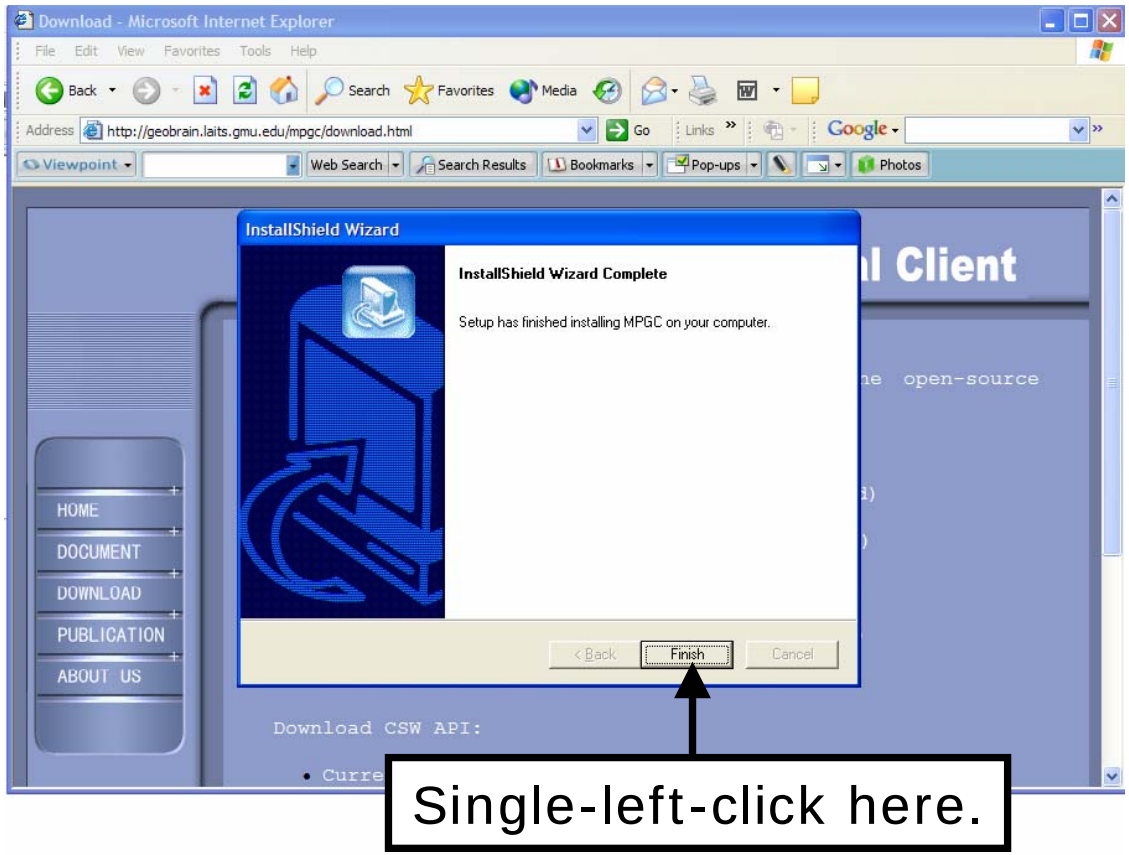
Click on the “Next” button and MPGC installs (see next slide).



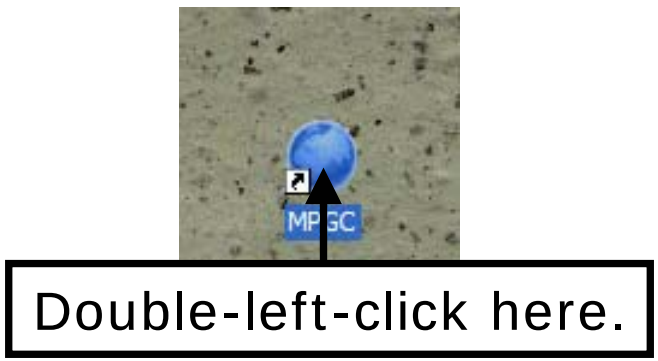
You can monitor installation progress from this window. After MPGC installs, another window appears (see next slide).



Click on the “Finish” button to dismiss the InstallShield Wizard. After dismissing the Wizard, you should see the MPGC shortcut on your desktop (see next slide).

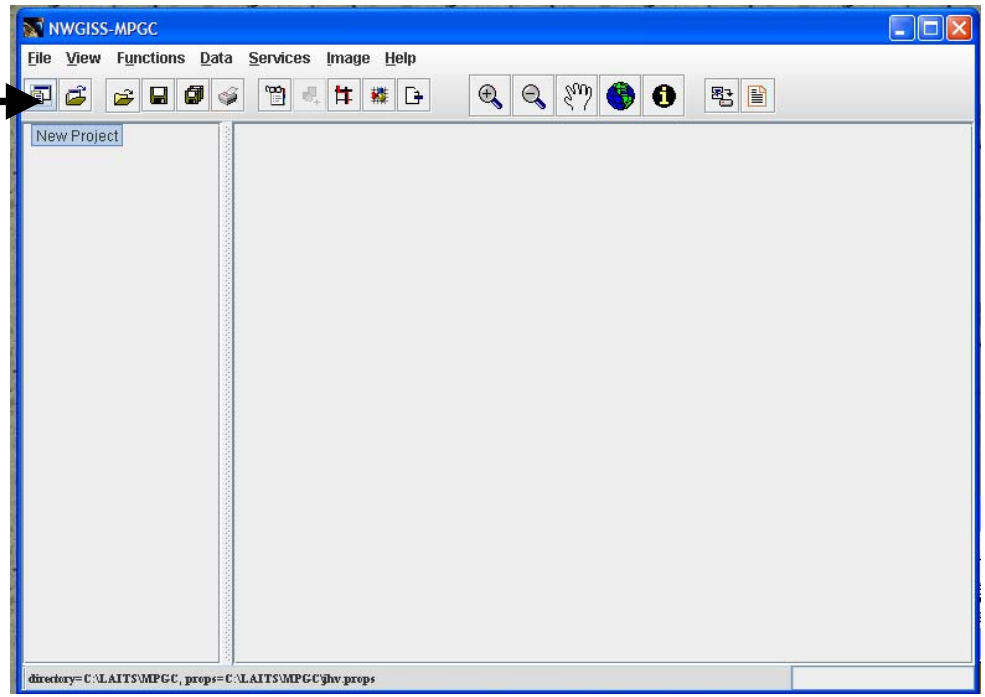


Double-left-click on the MPGC shortcut to launch MPGC (see next slide).

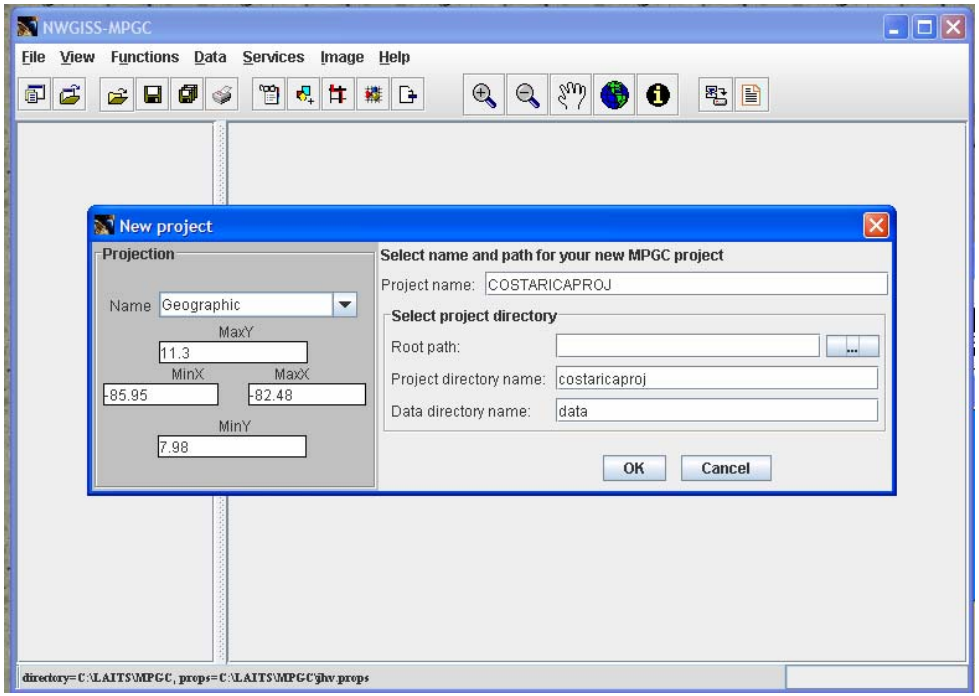


Click on the “New Project” button.

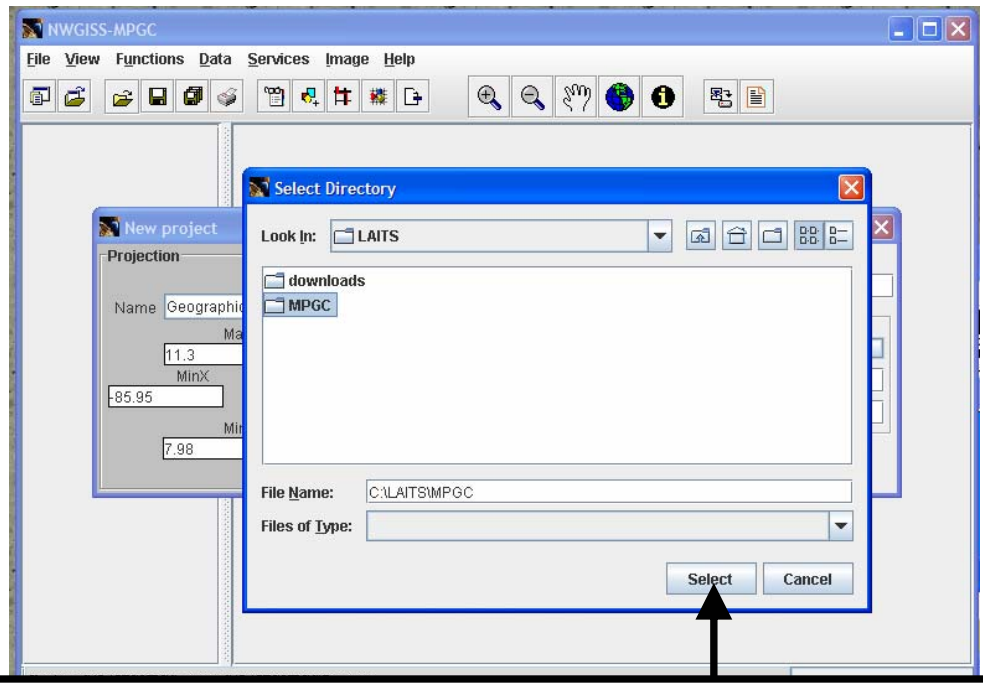
Single-left-click here.



Enter the bounding latitudes (7.98 and 11.3) and longitudes (-82.48 and -85.95) for Costa Rica as shown below. Note that negative values (e.g., -85.95) indicate west longitudes. Also enter the project name. Finally, click on the ellipses (. . .) to designate the location for the new project file. When you click on the ellipses, a new window pops up (see next screen).

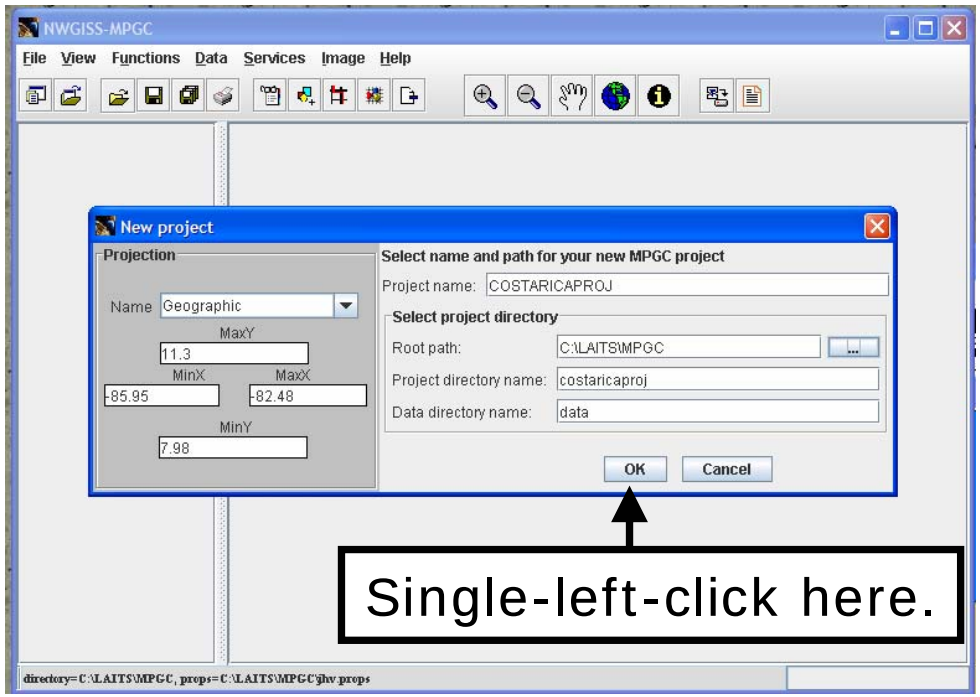


You can save the project file anywhere you please. [I saved it in the MPGC folder (full pathname: “C:/LAITS/MPGC”).] After designating the location, click on the “Select” button dismissing the “Select Directory” window (see next slide).

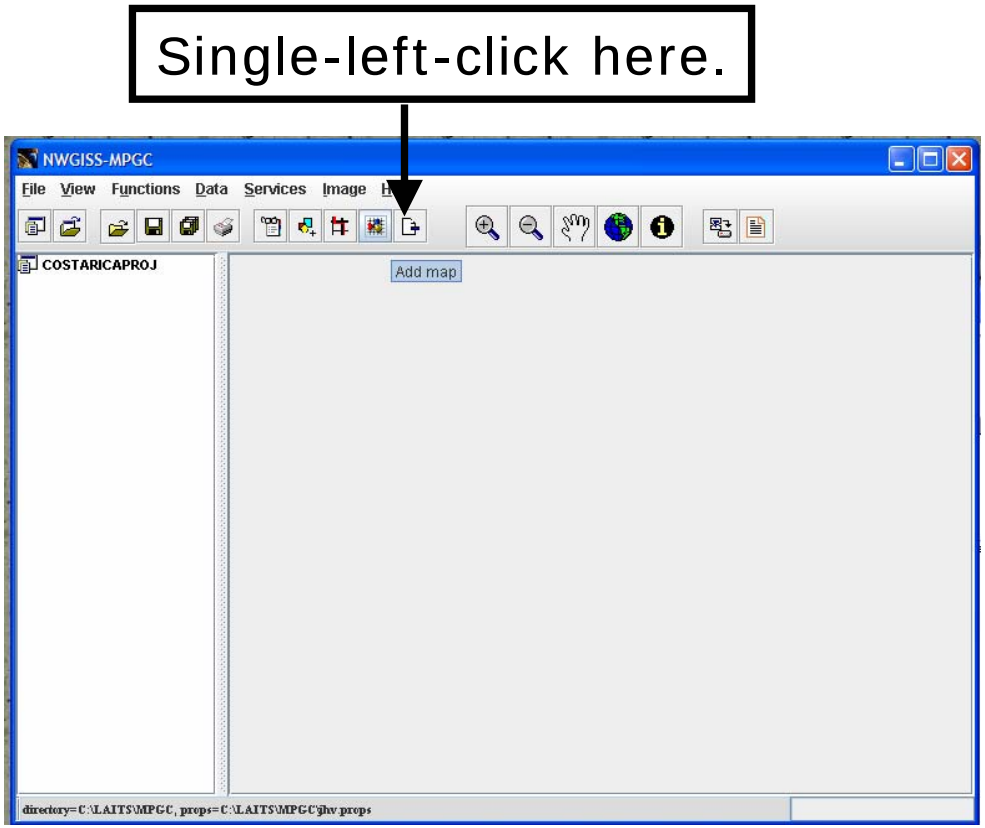


After designating the location, single-left-click here.

You have now entered the basic information for a new project. Click on the “OK” button, dismissing the “New project” window (see next slide).

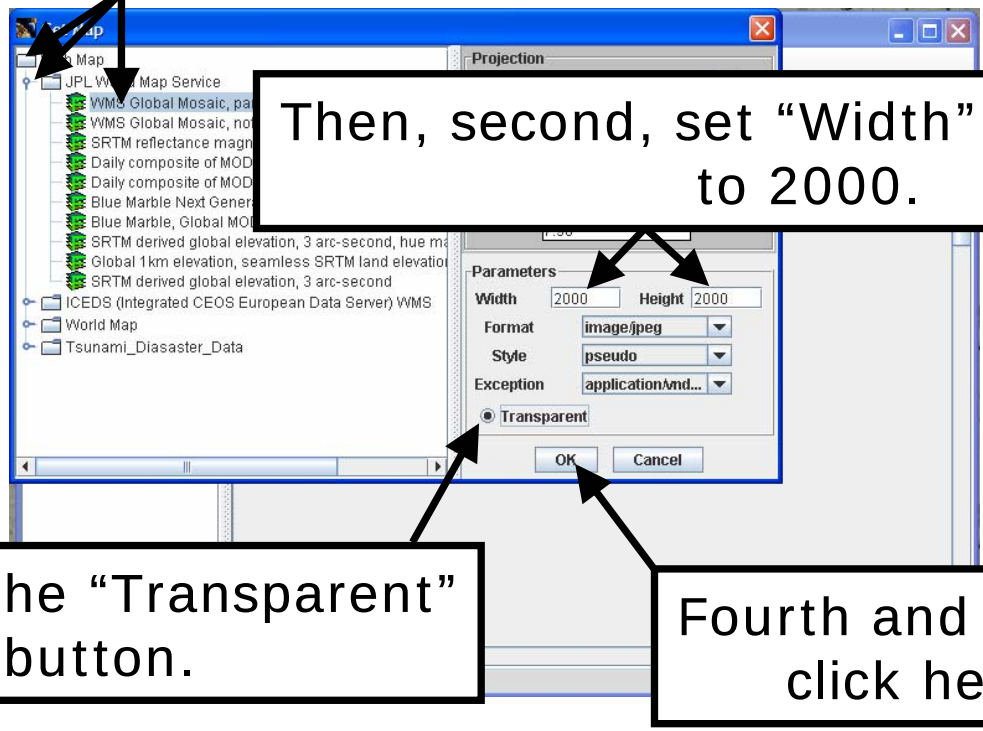


Click on the “Add map” button and the “Get map” window pops up (see next slide).



First, navigate to the global Landsat map by clicking on “Web Map,” “JPL World Map Service” and “WMS Global Mosaic_pan sharpened.” After you accomplish the preceding, the “Global Mosaic” should be highlighted as shown below. Then, second, change the “Width” and “Height” to 2000. Third, click on the “Transparent” radio button. Fourth and finally, click on the “OK” button dismissing the “Get Map” window. Proceed to the next slide in this presentation.

First, navigate to the global Landsat map by clicking as shown here.



Then, second, set “Width” and “Height” to 2000.

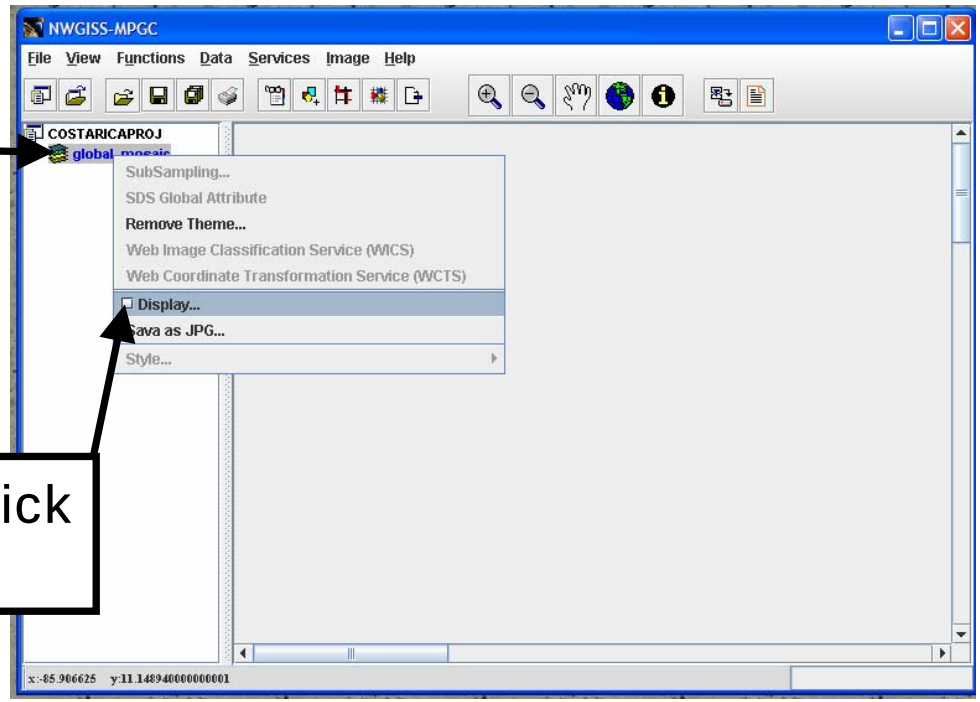
Third, click on the “Transparent” radio button.

Fourth and finally, click here.

Right-click on the “global_mosaic” layer and a context menu appears. On this menu, click on the “Display” box. After clicking on this box, a Landsat map appears (see next slide).

First, single-right-click on “global_mosaic.”

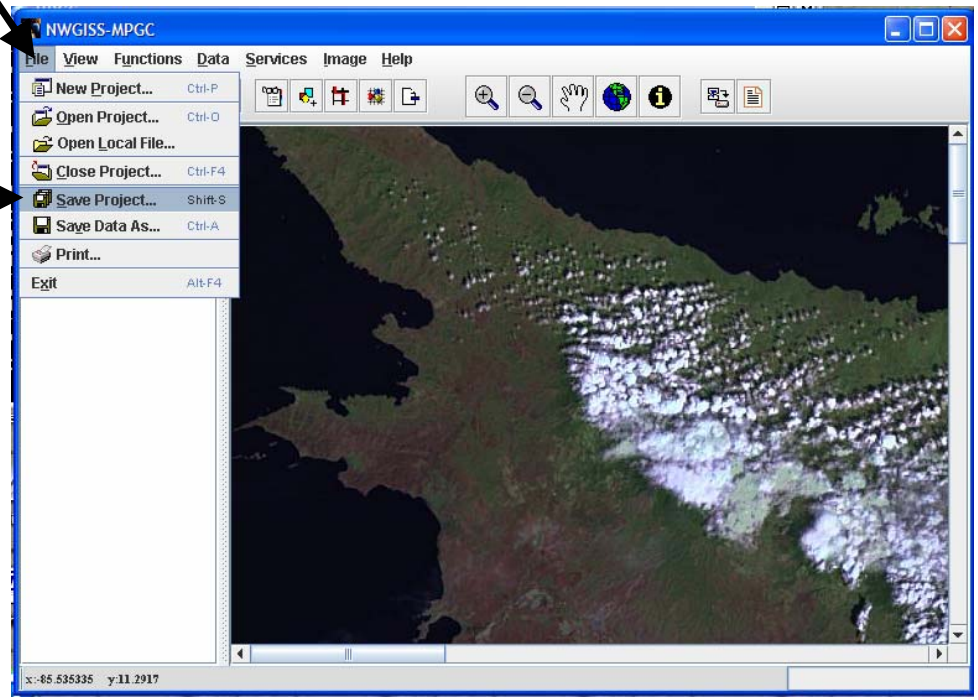
Then, second, single-left-click on the “Display” box.



The Landsat map shows a portion of southern Nicaragua and northern Costa Rica. Lake XXX, Nicaragua is in the upper right. Select “Save Project” from the “File” menu.

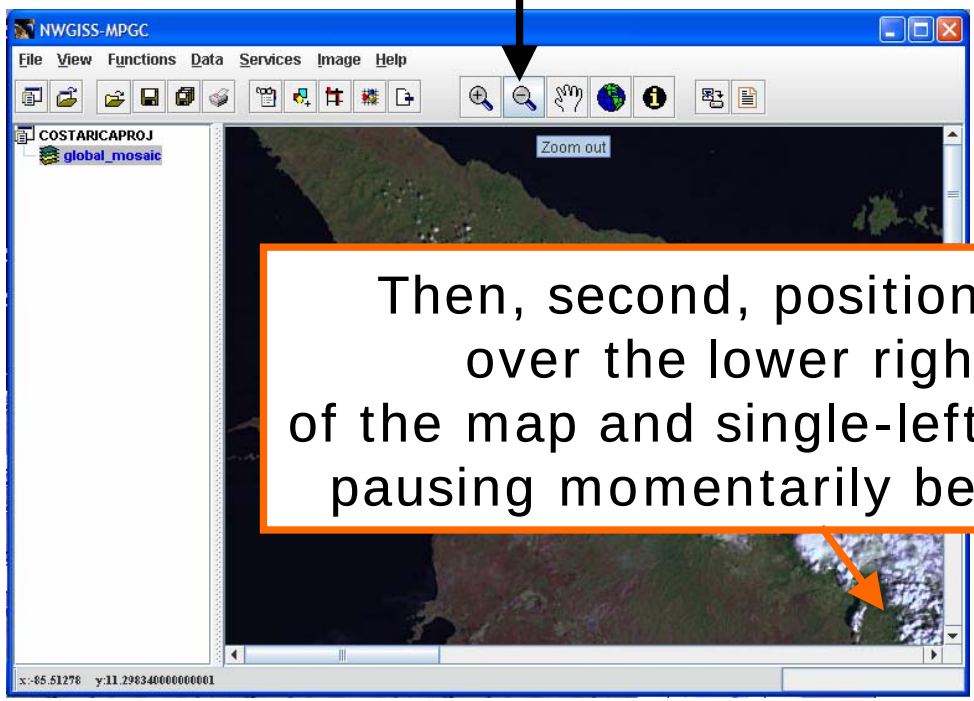
First, single-left-click on “File,” and the file menu appears.

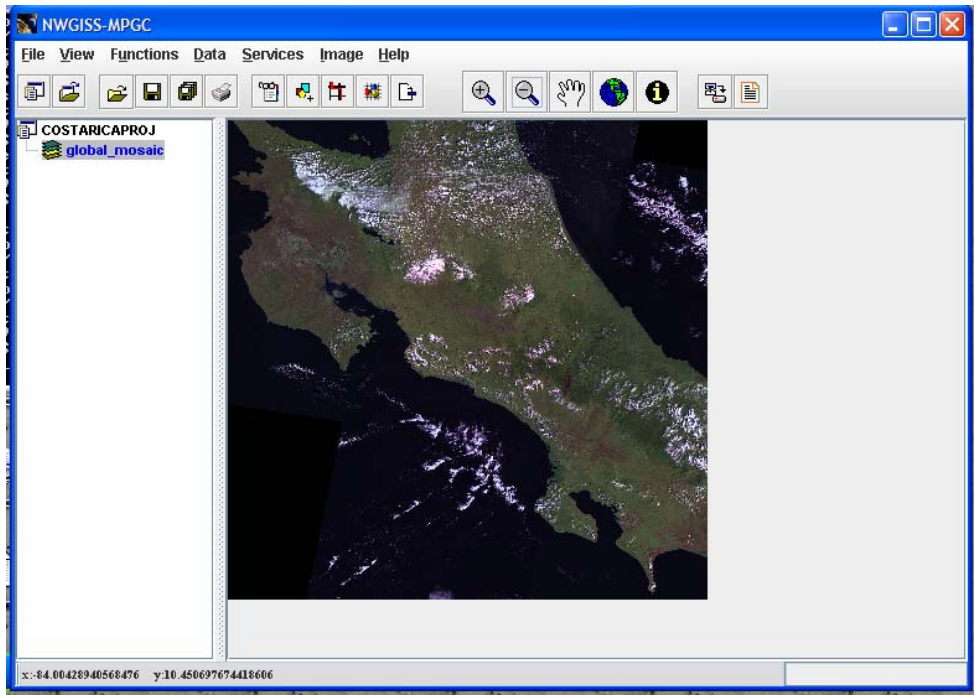
Then, second, single-left-click on “Save Project.”



To view the entire Costa Rican Landsat map, click on the “Zoom out” button, position the cursor over the lower right corner of the map and single-left-click X times, pausing for a moment between each click. After zooming out, you should see all of Costa Rica (see next slide).

First, single-left-click on the “Zoom out” button.



Then, second, position the cursor over the lower right corner of the map and single-left-click X times, pausing momentarily between clicks.

You have completed the QuickStart tutorial.