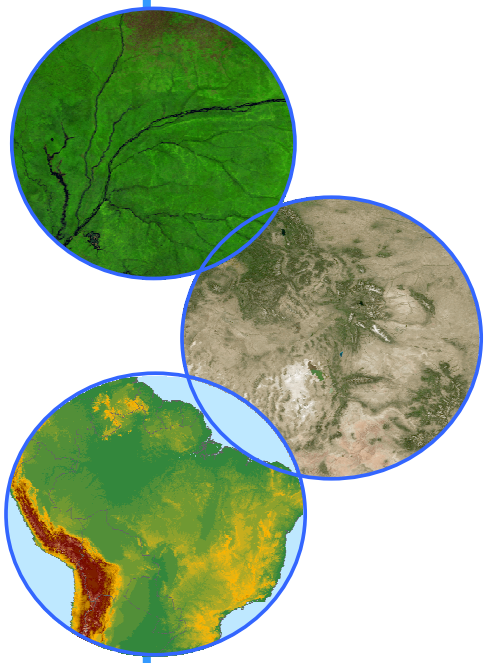
Accessing ORNL DAAC OGC services



Overview:

Accessing ORNL DAAC Open Geospatial Consortium (OGC) services using popular GIS software packages such as ArcMap, Udig, GRASS.

ORNL DAAC:

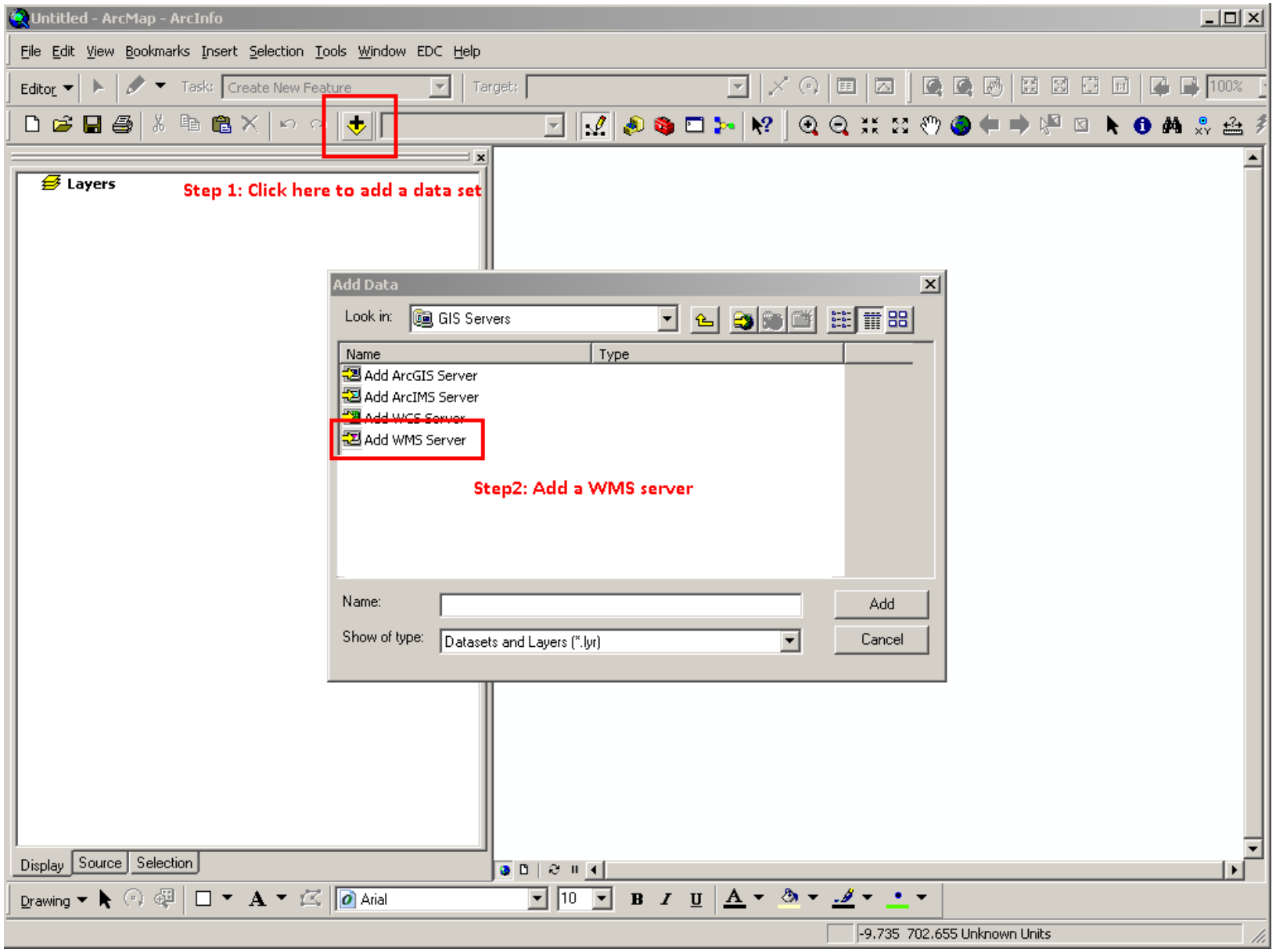
http://daac.ornl.gov

uso@daac.ornl.gov

Accessing ORNL DAAC OGC services using:

- ESRI ArcGIS
  - http://www.esri.com/
- uDig (Open Source)
  - http://udig.refractions.net/
- NASA World Wind (Open Source)
  - http://worldwind.arc.nasa.gov/java/
- Quantum GIS (Open Source)
  - http://www.qgis.org/

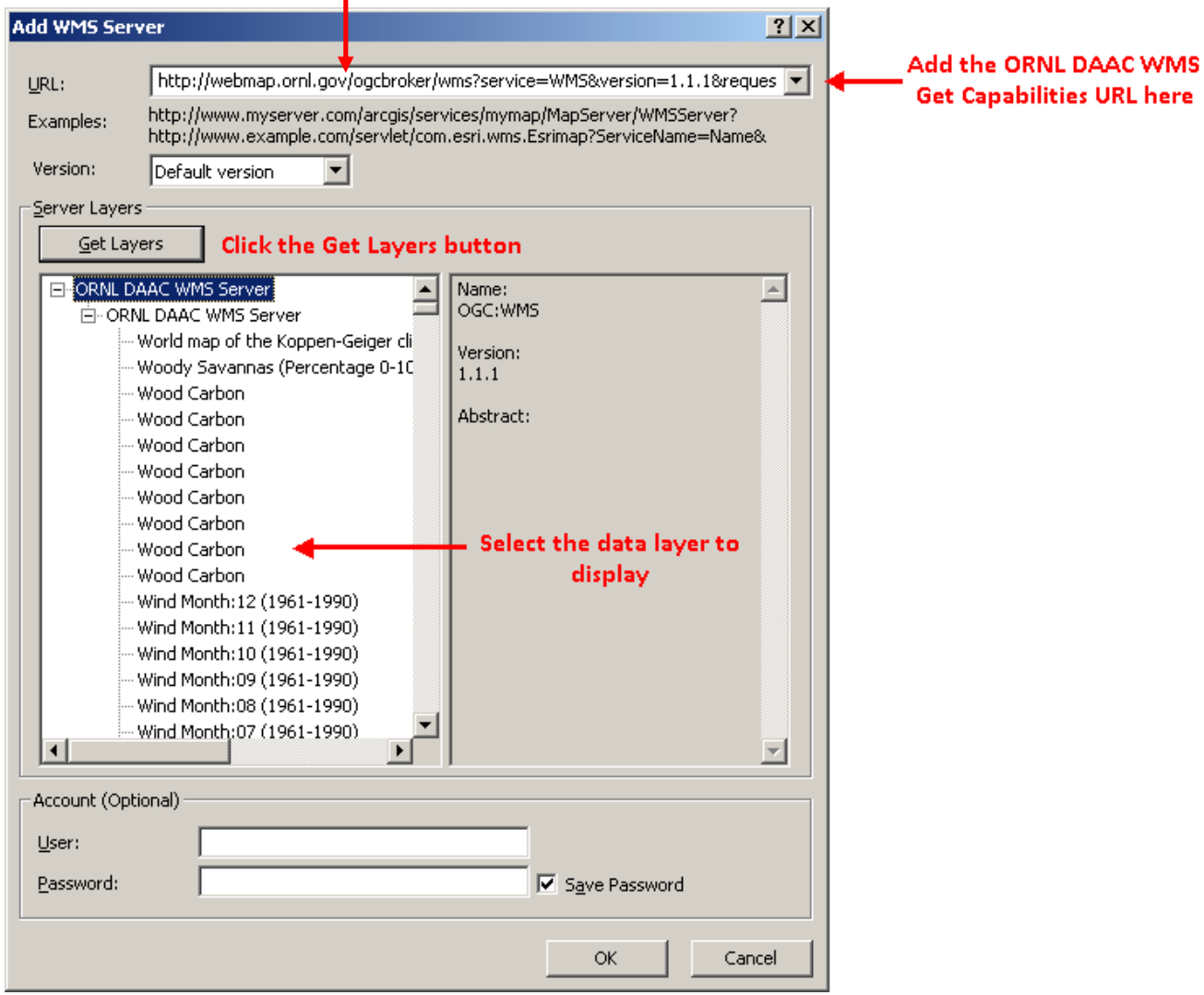
Accessing ORNL DAAC Web Map service (WMS) in ESRI ArcGIS : Step 1/3



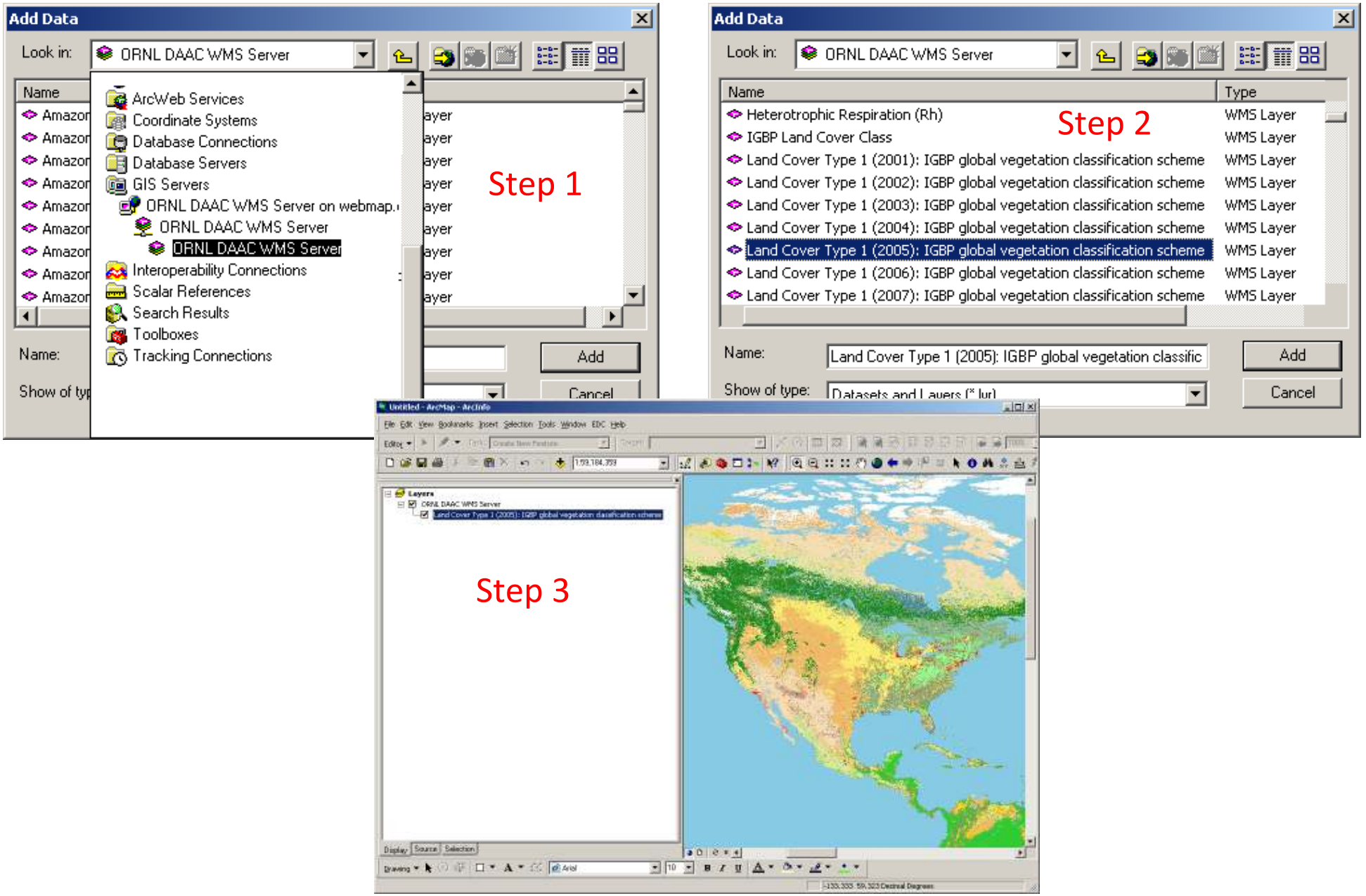
Accessing ORNL DAAC Web Map service (WMS) in ESRI ArcGIS : Step 2/3

ORNL DAAC WMS GetCapabilities URL :

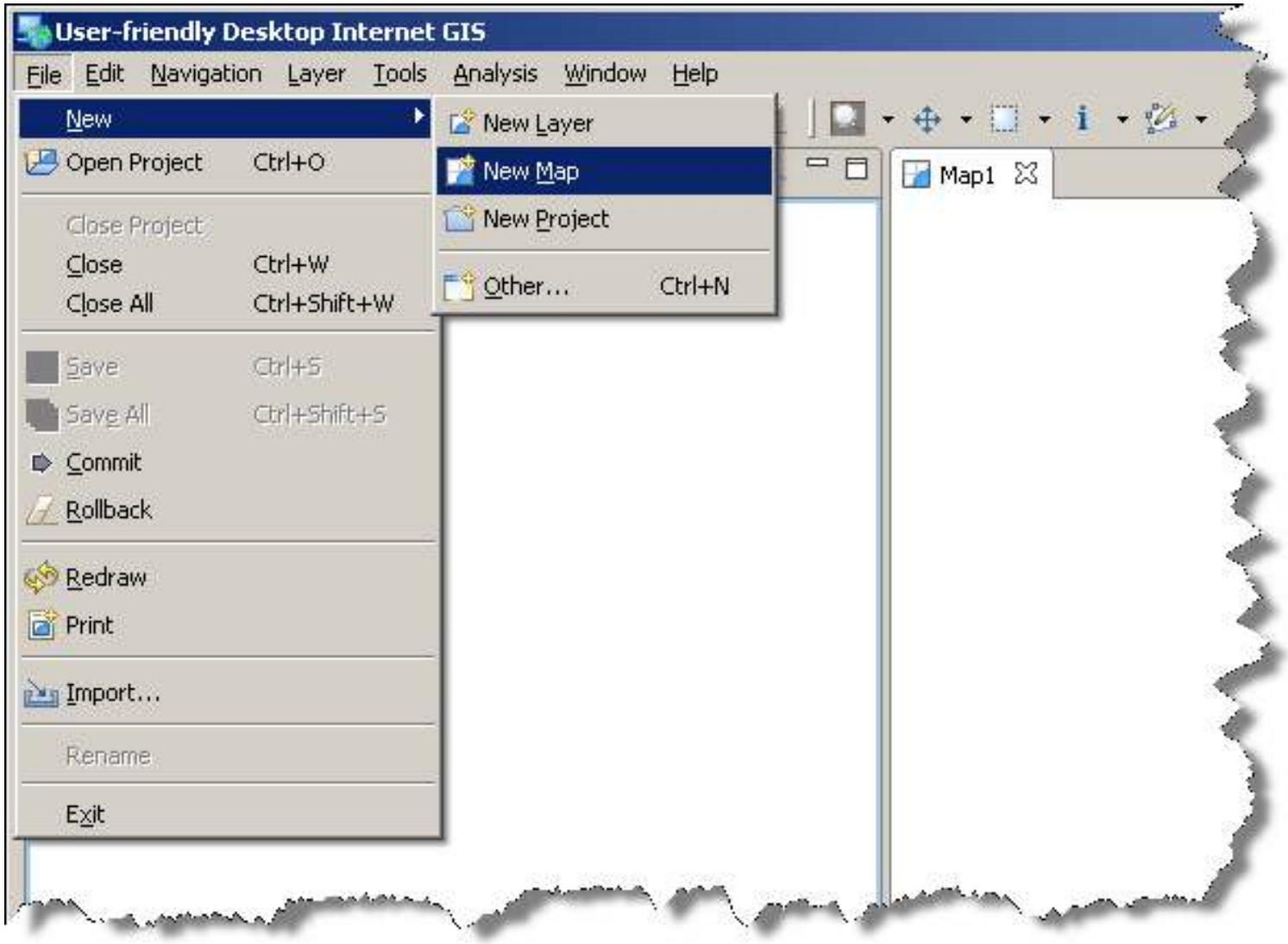
http://webmap.ornl.gov/ogcbroker/wms?service=WMS&version=1.1.1&request=GetCapabilities



Accessing ORNL DAAC Web Map service (WMS) in ESRI ArcGIS : Step 3/3



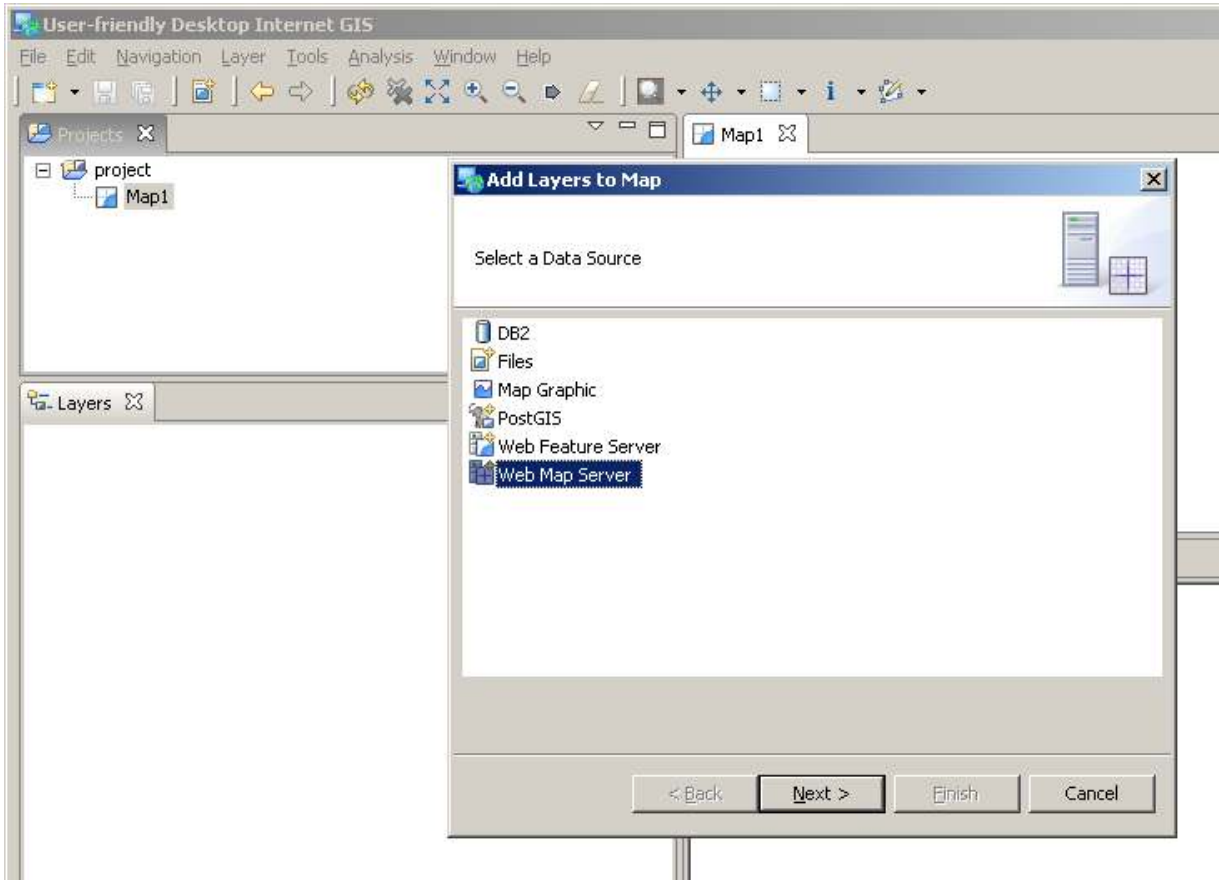
Accessing ORNL DAAC Web Map service (WMS) in uDig : Step 1/4



Create a New map

Accessing ORNL DAAC Web Map service (WMS) in uDig : Step 2/4

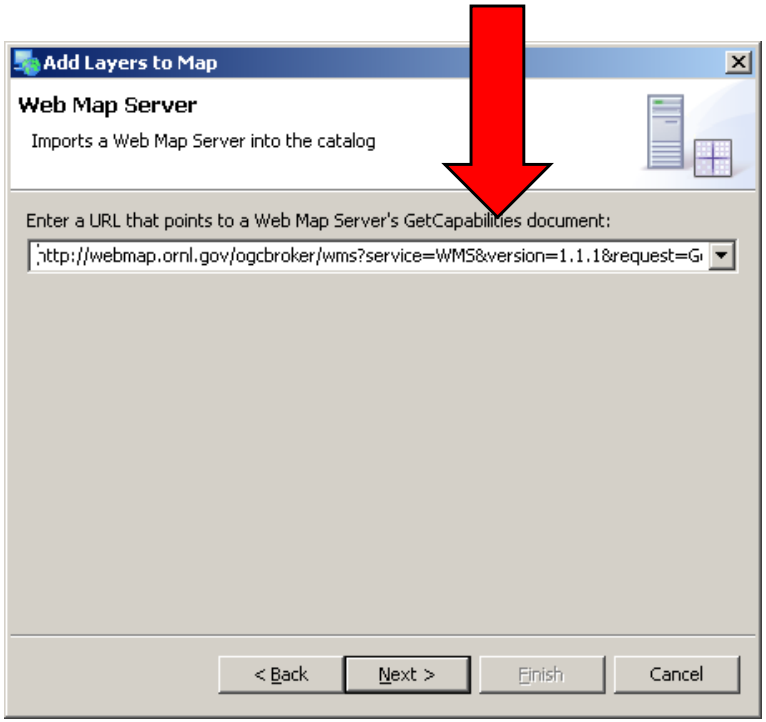
Add a WMS data layer



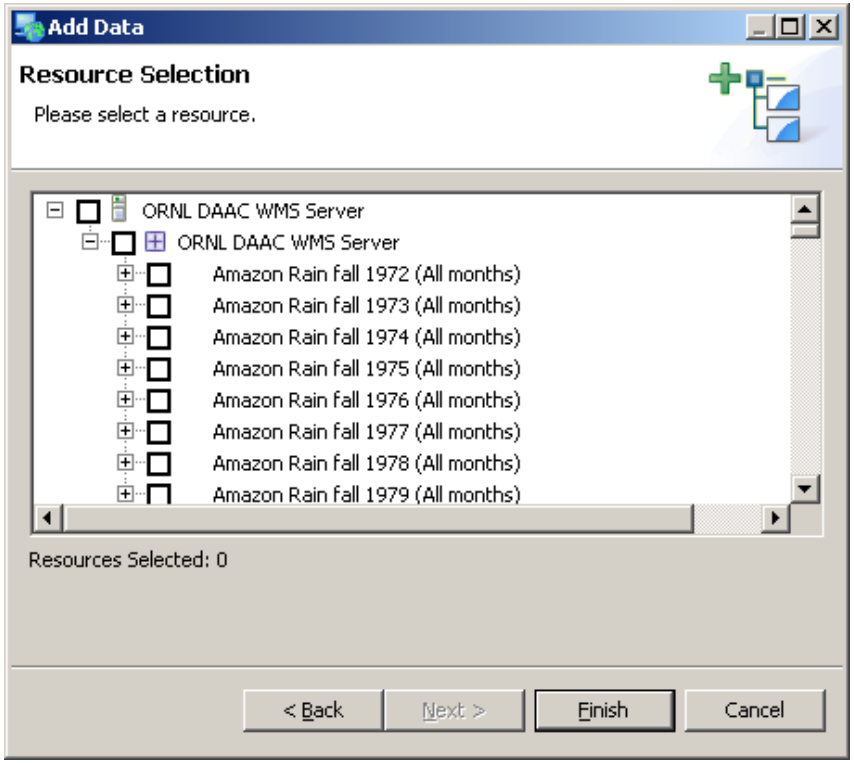
Accessing ORNL DAAC Web Map service (WMS) in uDig : Step 3/4

ORNL DAAC WMS GetCapabilities URL :

http://webmap.ornl.gov/ogcbroker/wms?service=WMS&version=1.1.1&request=GetCapabilities

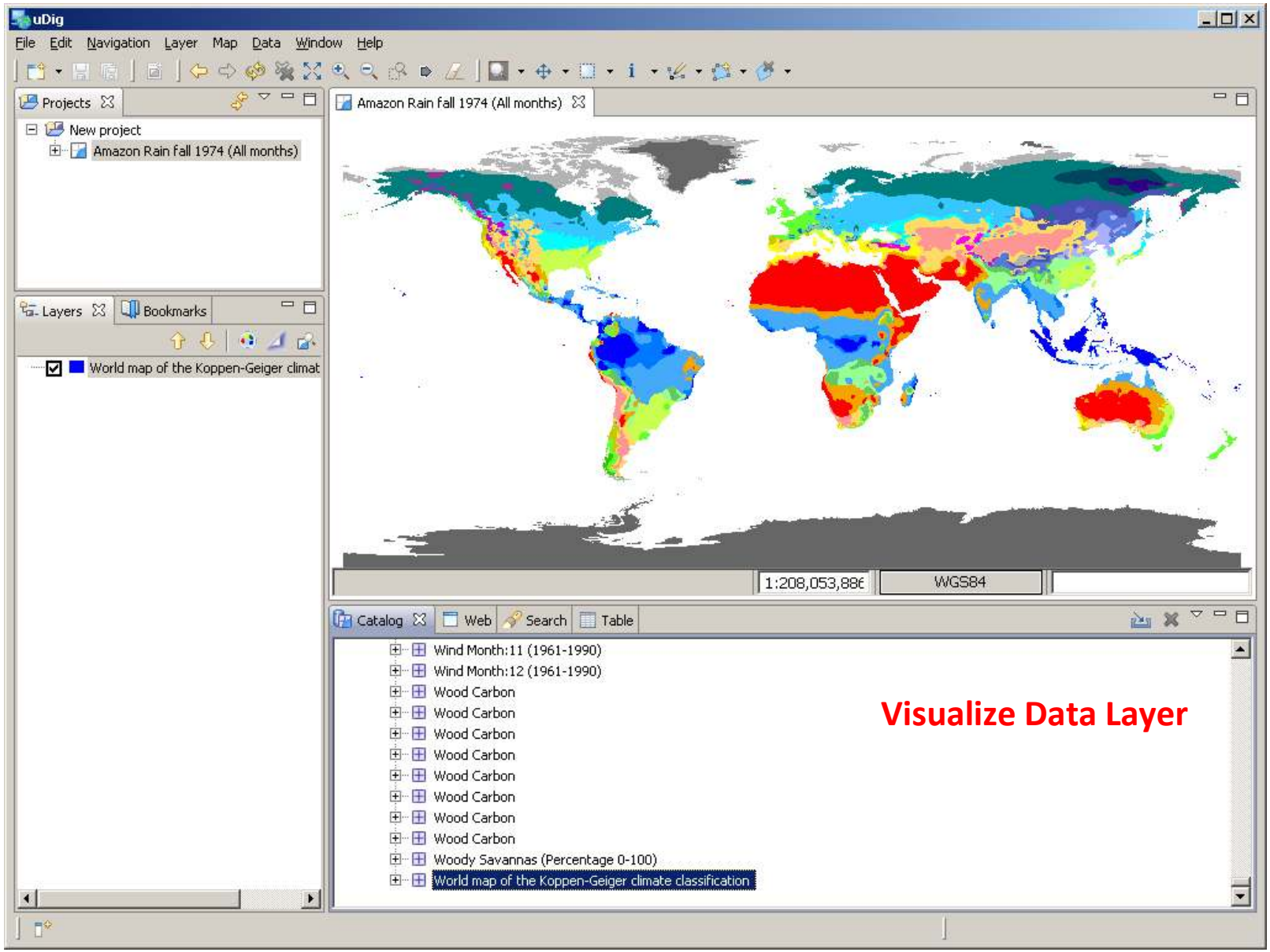


Provide ORNL DAAC WMS Get Capabilities URL

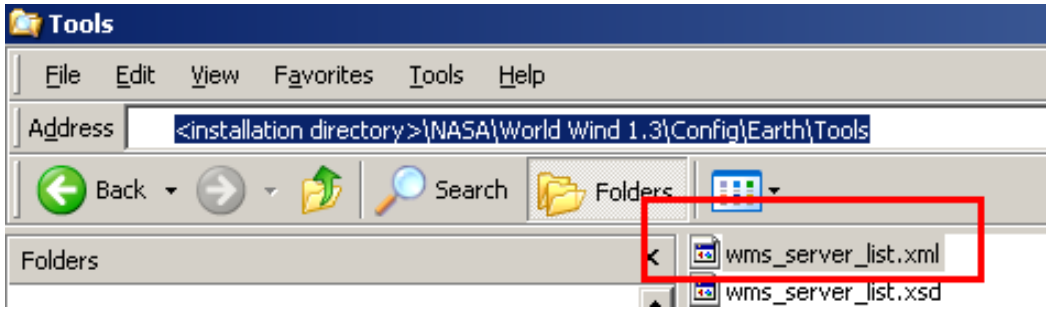


Select data layer

Accessing ORNL DAAC Web Map service (WMS) in uDig : Step 4/4



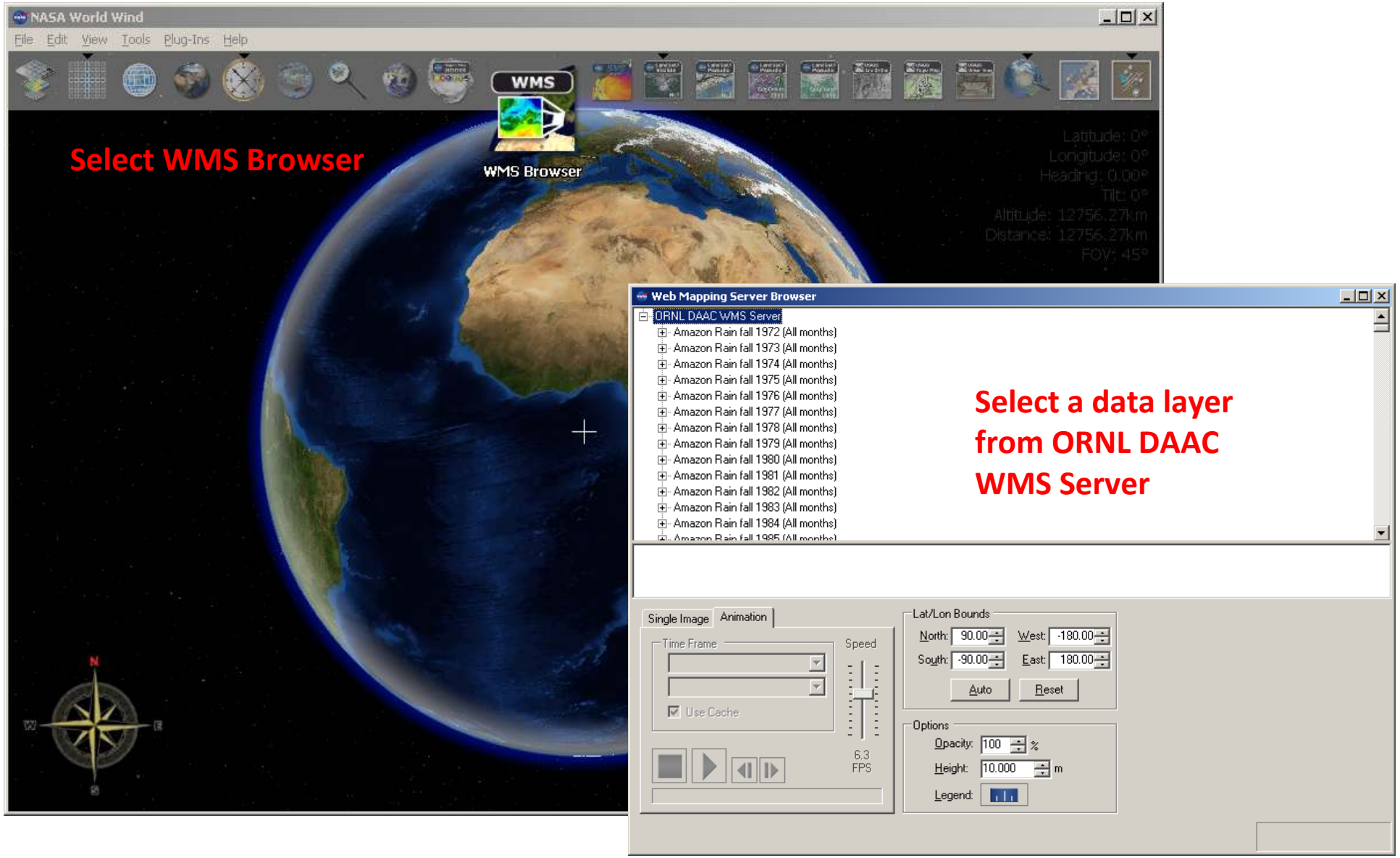
Accessing ORNL DAAC Web Map service (WMS) in World Wind : Step 1/3



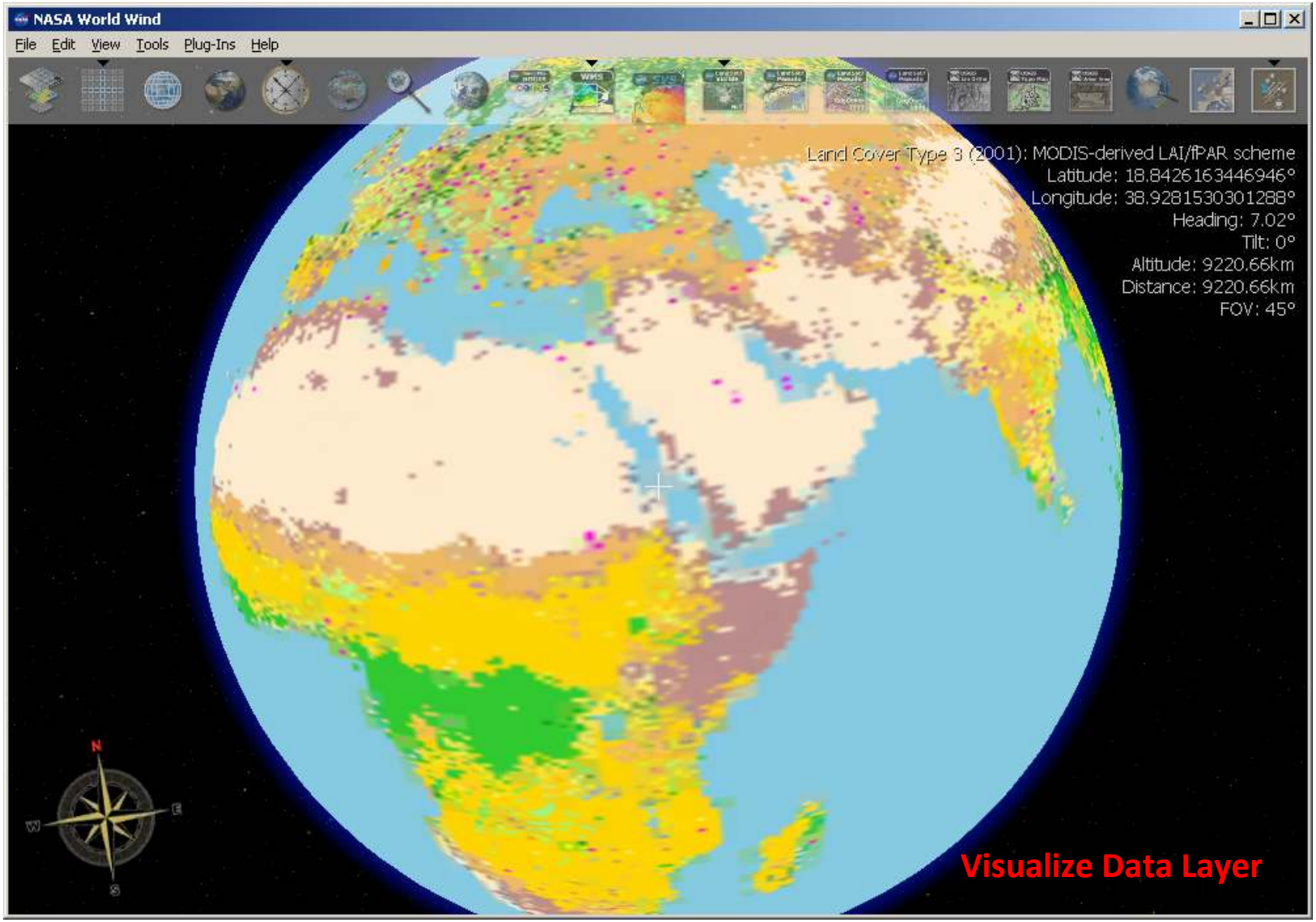
Update WMS server list in NASA World Wind Installation directory

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <!-- edited with XMLSPY v2004 rel. 4 U (http://www.xmlsp  om) by Patri
3  <WMS_SERVER_LIST xmlns:xsi="http://www.w3.org/2001/XMLS  a-instance"
4      <Server>
5          <Name>Animated Earth</Name>
6          <ServerUrl>http://aes.gsfc.nasa.gov/cgi-bin/wms-  rverUrl>
7          <Version>1.3.0</Version>
8          <Abstract>Animated Earth Visualization Server</  ract>
9      </Server>
10     <Server>
11         <Name>GLOBE</Name>
12         <ServerUrl>http://viz.globe.gov/viz-bin/wmt.cg  verUrl>
13         <Version>1.1.1</Version>
14         <Abstract>GLOBE Visualization Server</Abstract>
15     </Server>
16     <Server>
17         <Name>ORNL DAAC WMS</Name>
18         <ServerUrl>http://webmap.ornl.gov/ogcbroker/wms</ServerUrl>
19         <Version>1.1.1</Version>
20         <Abstract>ORNL DAAC Visualization Server</Abstract>
21     </Server>
22
23 </WMS_SERVER_LIST>
24
```

Accessing ORNL DAAC Web Map service (WMS) in World Wind : Step 2/3

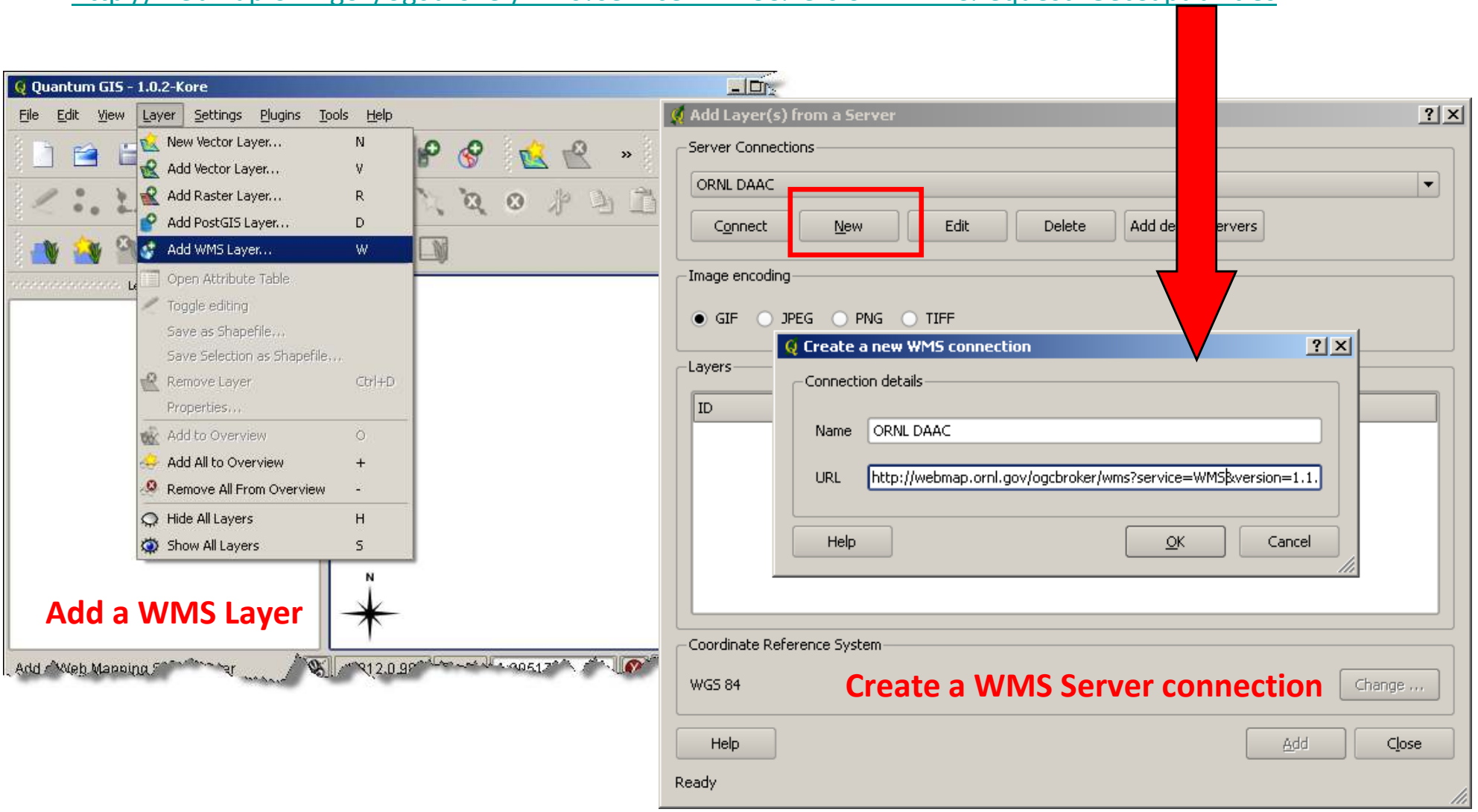


Accessing ORNL DAAC Web Map service (WMS) in World Wind : Step 3/3

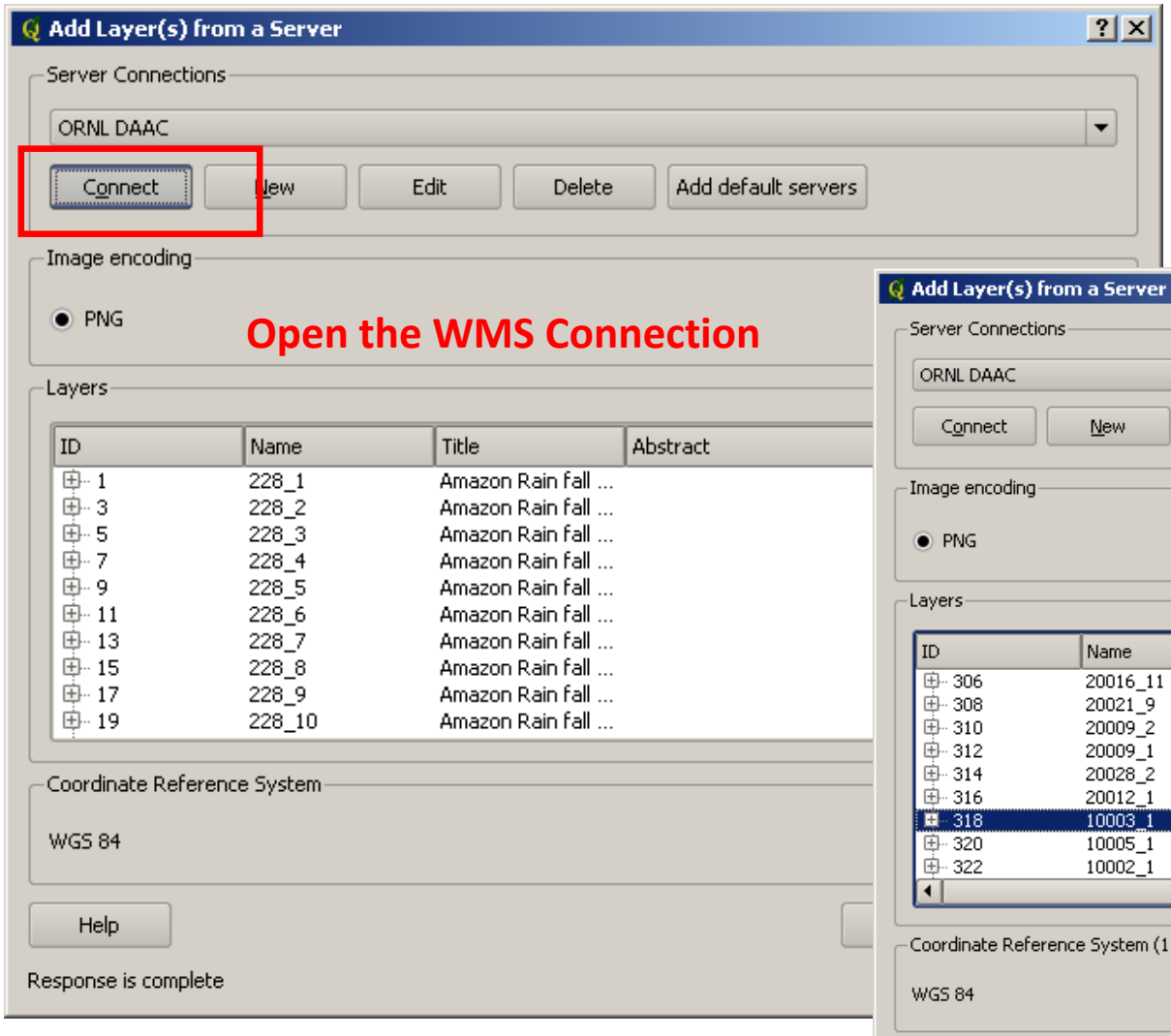


Accessing ORNL DAAC Web Map service (WMS) in Quantum GIS : Step 1/3

ORNL DAAC WMS GetCapabilities URL :
http://webmap.ornl.gov/ogcbroker/wms?service=WMS&version=1.1.1&request=GetCapabilities

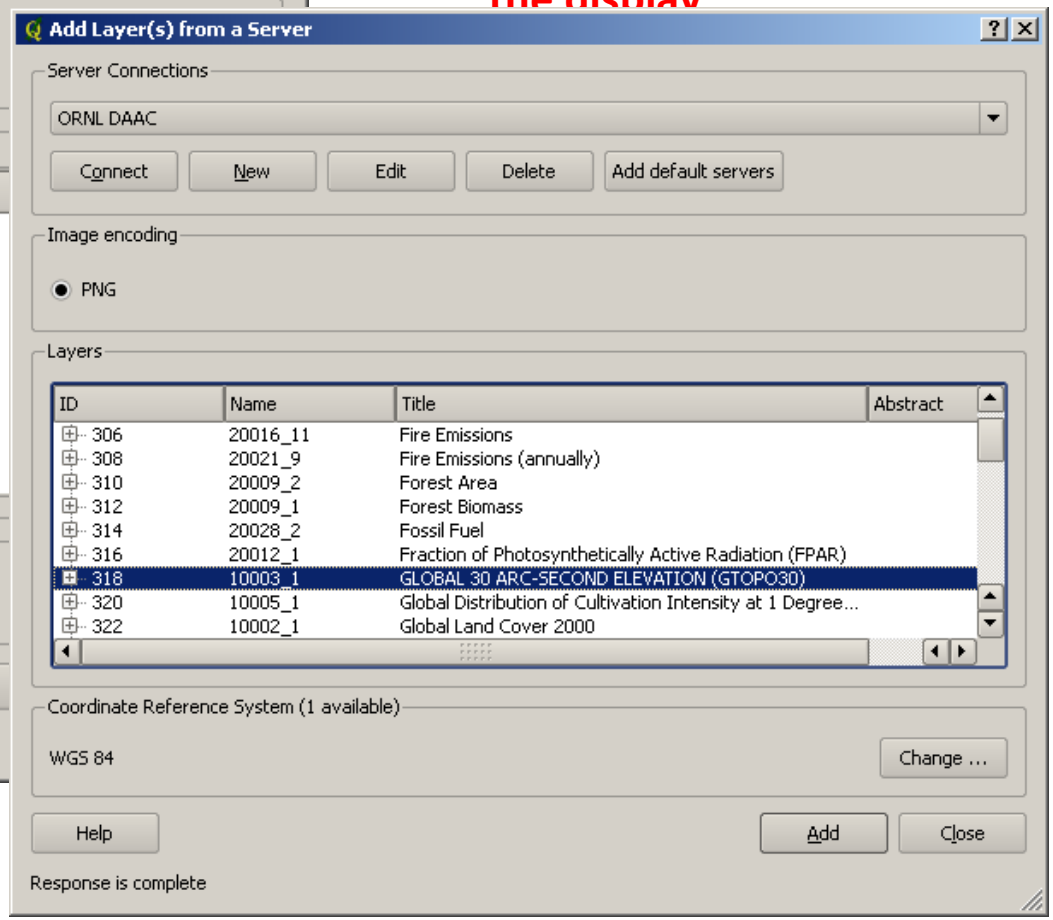


Accessing ORNL DAAC Web Map service (WMS) in Quantum GIS : Step 2/3

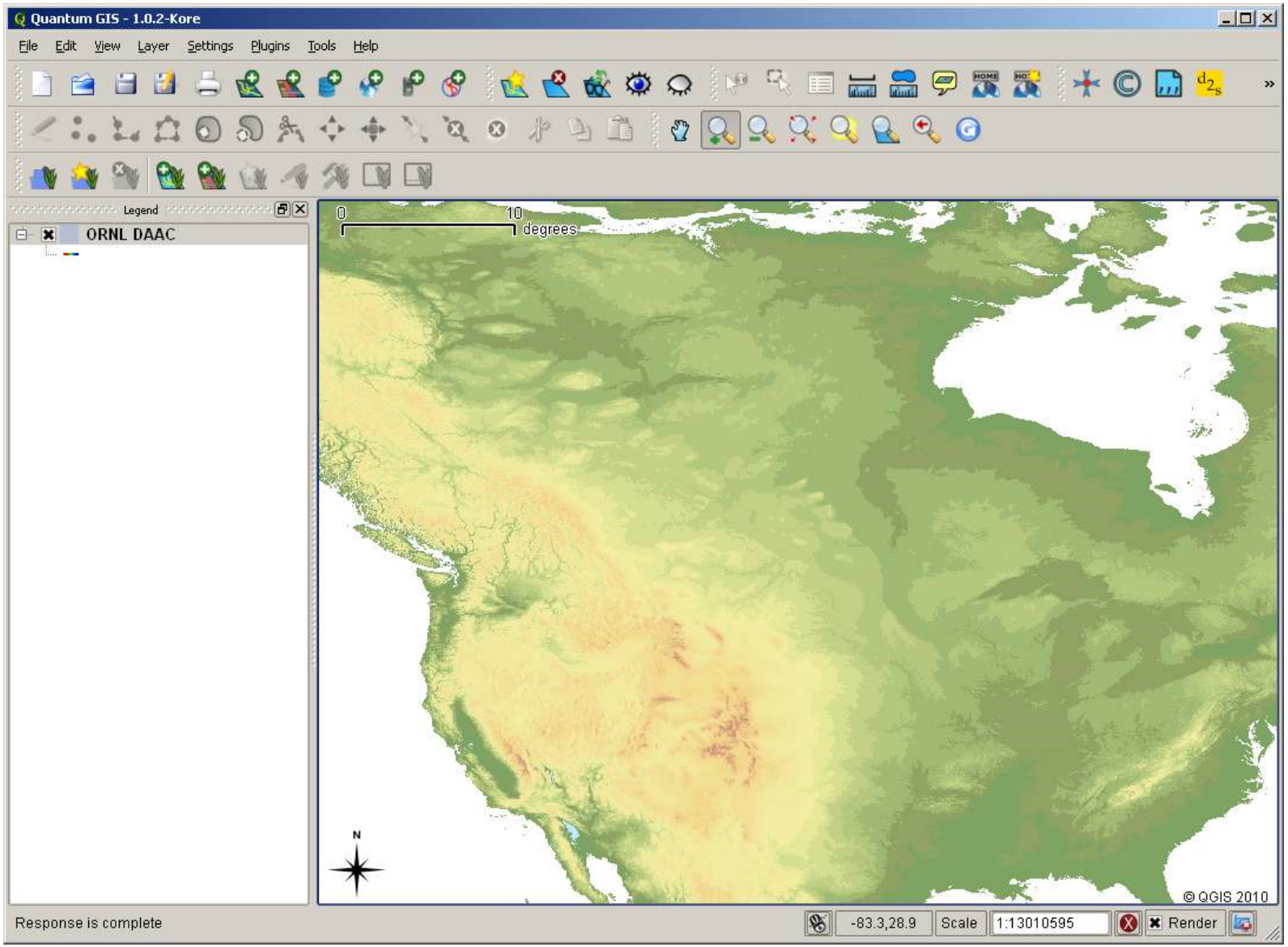


Open the WMS Connection

Select a data layer to add to the display



Accessing ORNL DAAC Web Map service (WMS) in Quantum GIS : Step 3/3



Visualize Data Layer