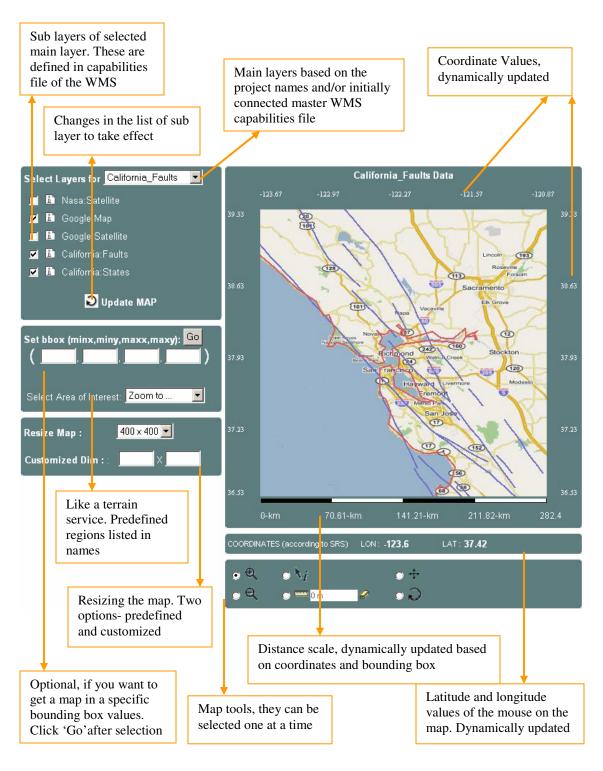
USER MANUAL

1. Common Mapping Tools and Interface

Here is the common user interface mapping tools. Depending on the selected project and/or main layers such as Patter Informatics or Virtual California, there might be additional interface frames to get required parameter entries from the users.



Map Tools

Select and click on the map: Each click starts loading the map automatically.

• €	Zoom-in	To get more detailed map in smaller bounding box values. Smaller area.
• 🗨	Zoom-out	To get a map in smaller bounding box values. Wider area.
• Ni	Get Feature Information	To get further information in text format about the selected feature element. Click on the exact point on the map.
•	Measure Distance	To measure the distance between two points in km. Points are given by the user by clicking one at a time.
	Erase Distance Val	To erase the previous distance value from the display screen.
• +	Drag and Drop	To slide the map to a different bounding box values with the same dimensions.
• 2	Refresh to Initial map	To get the map created initial settings. Initial settings show the California State.

Some more details

Project Based Main Layers



Predefined map sizes - dimensions

Resize Map :	400 × 400 ▼	
	400×400	
Customized Dim : :	600×600	
Subtoffine Out of the	800×800	

Predefined Area of Interests for the initial map in California State region



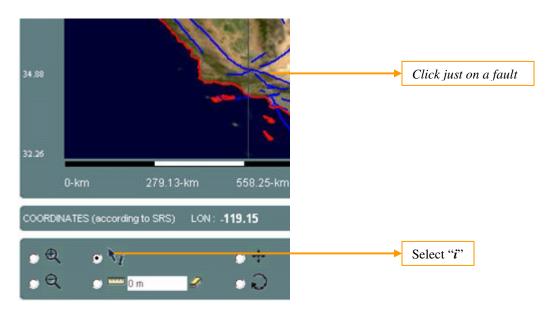
2. Project Based additional interfaces

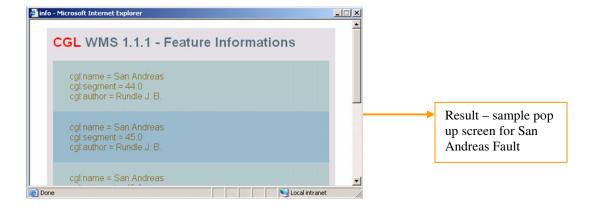
We have three ongoing distributed geophysics projects. These are

- California Faults (not exactly a project)
- Pattern Informatics
- Virtual California

2.1. California Faults

There is no additional interface, same as common interface illustrated in chapter 1. For the California Fault layer, feature information enabled. So Clients can get further information in text about the specific feature on the map. Sometimes you can not get any info, please change your zoom level or click on some other very close points.

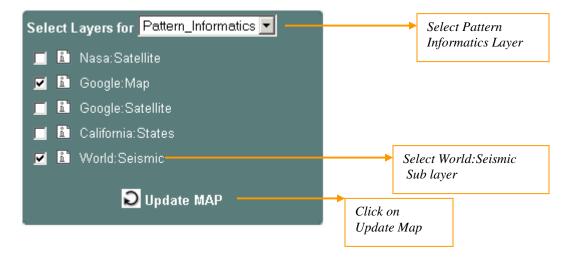




2.2. Pattern Informatics

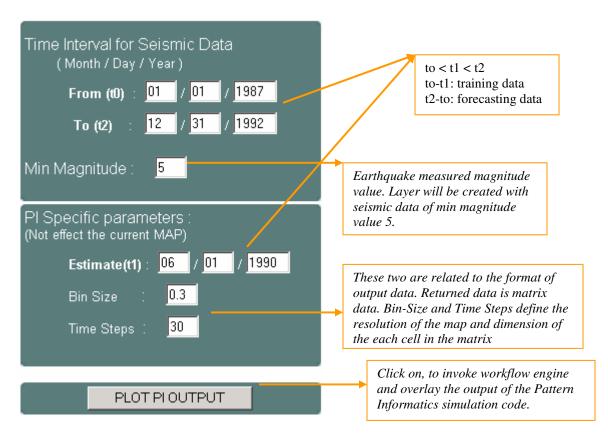
Initial selections and creating map:

Pattern Informatics project works on seismic data. It is earthquake related.

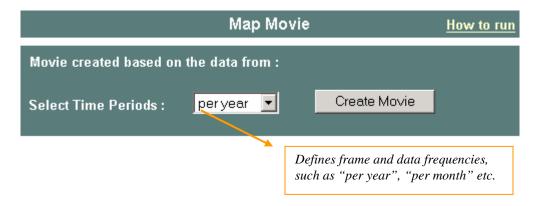


2.2.1. Overlay Interface

Additional parameter entries and running distributed simulation code:



2.2.2. Movie Interface



In order to be able to run the demo map movies, you first should have a client to display movie streams. If you want to use JMFStudio to display the movie streams, follow the below steps.

- Download and install jmf-2.1.
- After installing, go to program directory and,
- Replace the jmf.jar in the jmf lib directory with this one.
- Download this <u>exe file</u> and run it on your machine.
- Runtime settings:
- Run your newly installed JMFStudio, and Click on <File><Open RTP Session>
- Enter the values of Address, Port and TTL values.
- Sample values corresponding above parameters <233 2 171 233> <59914> <16>
- WMS Server automatically publishes its movie streams to these port and multicast IP. < interface. user the from defined be will it future>

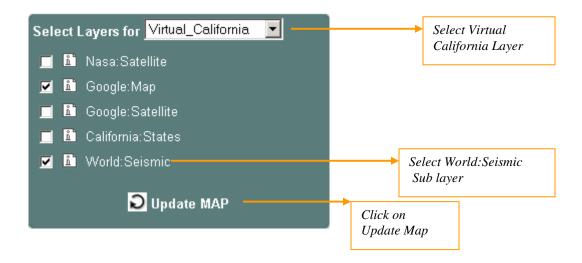
If the above links are broken go to

http://gf8.ucs.indiana.edu:8092/aaa/geoappl/movie_howtorun.jsp for instructions.

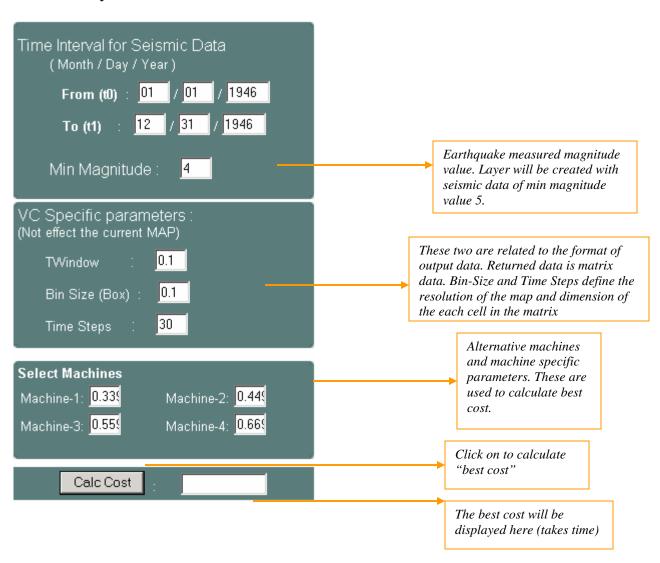
2.3. Virtual California

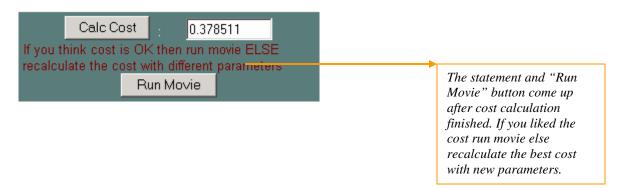
Initial selections and creating map:

Virtual California project works on seismic data. It is earthquake related.



2.3.1. Overlay Interface





2.3.2. Movie Interface

Everything is same as Section 2.2.2. In order for you to see the movie streams you need to set up something in your machine. Please see the details explained in Section 2.2.2.



Figure 1: A snapshot from Virtual California Demo.