LimA Installation Test

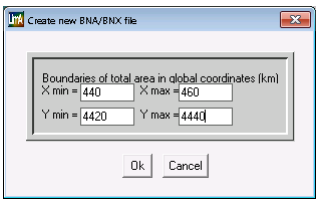
General purpose
After installing LimA a simple example shall help to verify the completeness of installation.
A new project will be set up and calculation started.

The installation instructions provide some extra hints for none standard installations.
For normal cases the setup menu will have led you through the process.

Before starting LimA_5 (GUI) it should be considered whether you are using an "ArcMap" licence. In that case ArcMap needs to be running on the PC before LimA is started.

1. Use the LimA GUI icon to start lima_5

2. To start a new empty file "Proj_empty.bna"
   use menu Files>New
   and create the file in a new sub-folder (case_03)
   Avoid blanks in file or pathnames

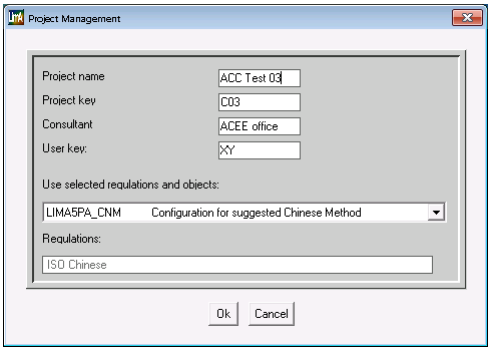


3. This file will be used as initial file in the future, to quickly ensure proper minimum and maximum coordinates while setting up a model.
   This is not "a must" but useful.

4. Close the file (menu File>Close File)

5. Define general project settings
   Project ID, User and relevant regulations
   use Menu File>Project Management

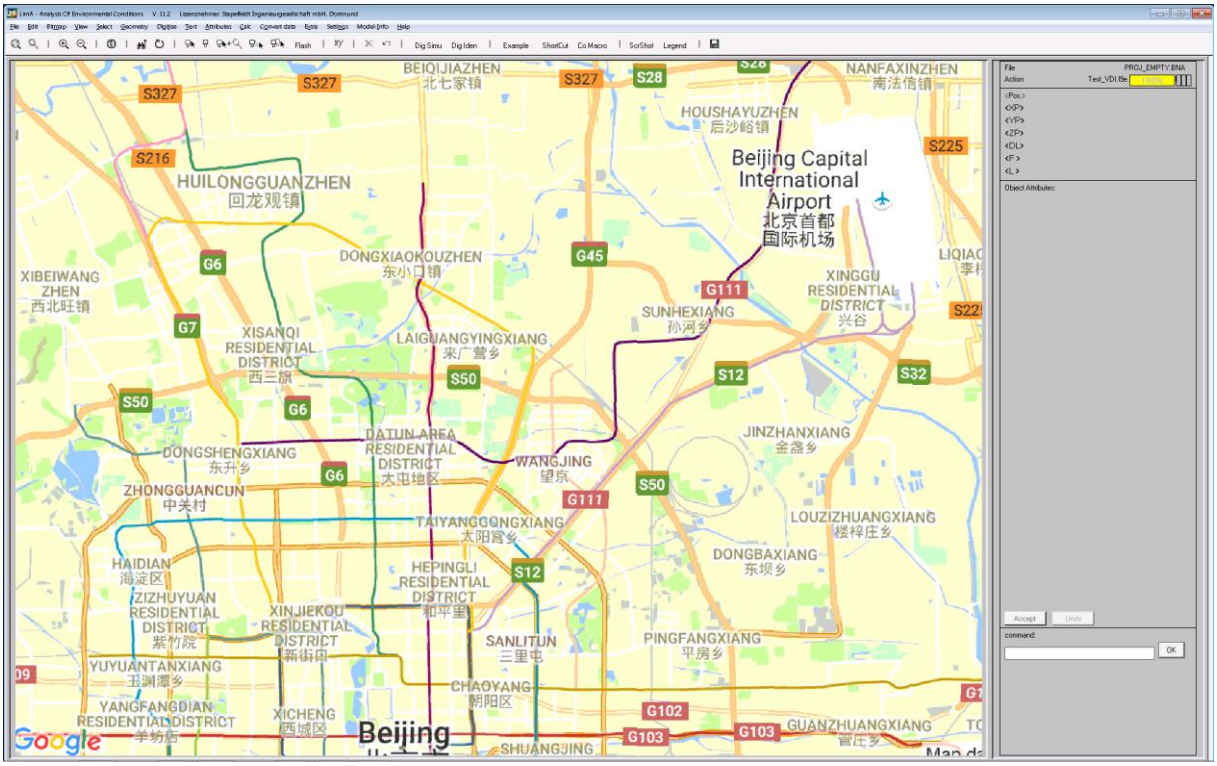
   Choose Chinese Methods



After pressing the OK button a macro is started to preset some details in the dialogue boxes.
When the macro protocol window apprears, just press ok again to acknowledge.

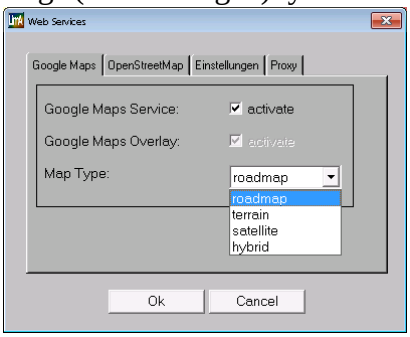
6. Next load your empty file (Proj_empty.bna)

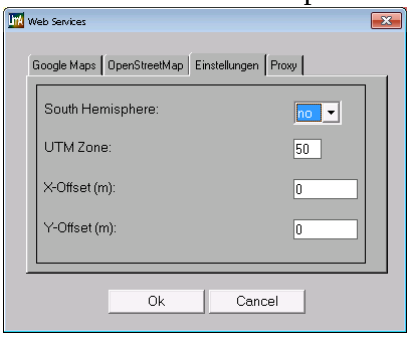
7. You may use google earth data to download a map of the region or a satellite image



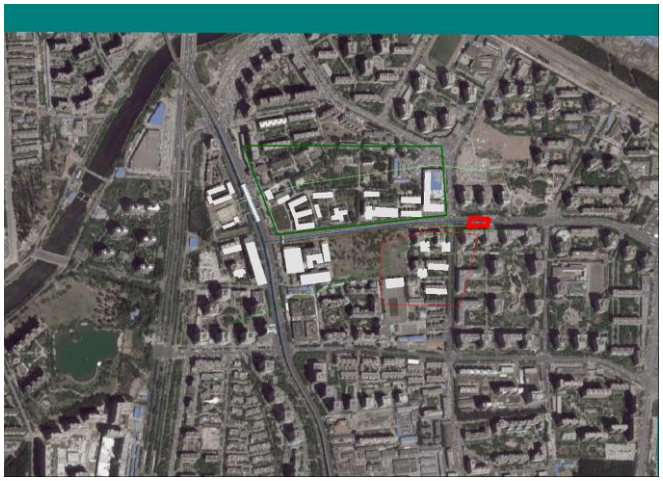
Either type in command “WEBSERV” or use “google map” icon (5 th menu from left in toolbar) to open dialgue box

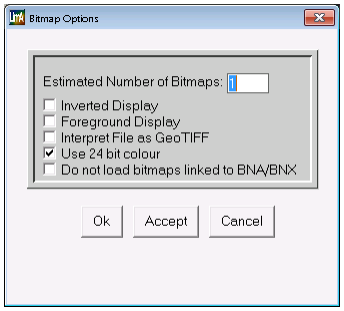
In Settings (Einstellungen) you define UTM Zone = 50 and northern hemisphere.





Example of alternative satellite image





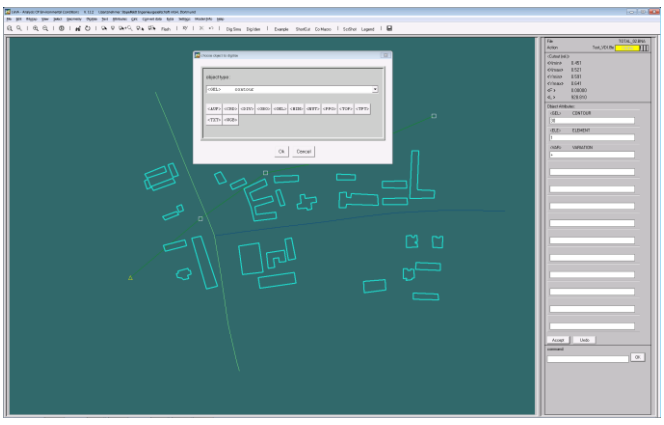
In case of false colouring check menu Settings>Bitmap options

The web Service will resize background bitmaps each time the display changes region.
To avoid this you can deactivate the service but still keep the overlay.
Or you switch off the overlay as well.

8. Add a prepared data file (Total_02.bna) imported from SHAPE
   Menu File>Add file

   This data already includes one dummy contour line. When contour lines are present in the model and are in less distance than the fetching radius fro terrain which is used in the calculation, there will be no need to define a default terrain level during calculation.

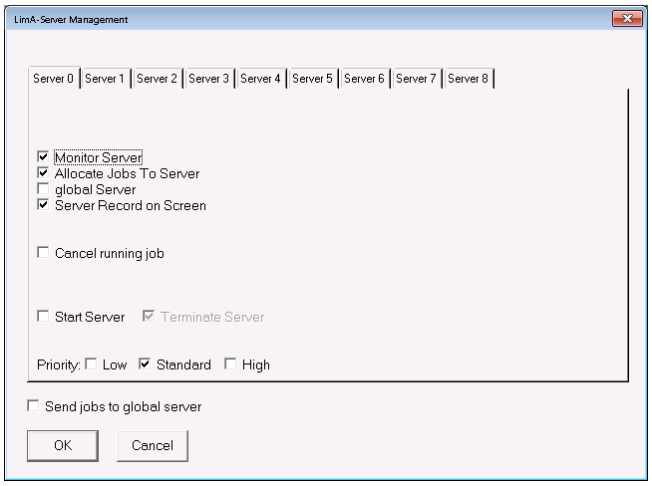
9. Digitise a Chinese road object
   Select CRD Object



Enter attribute content
Press Accept button
Use left mouse button to define a feature vertex
use right mouse button to end digitizing

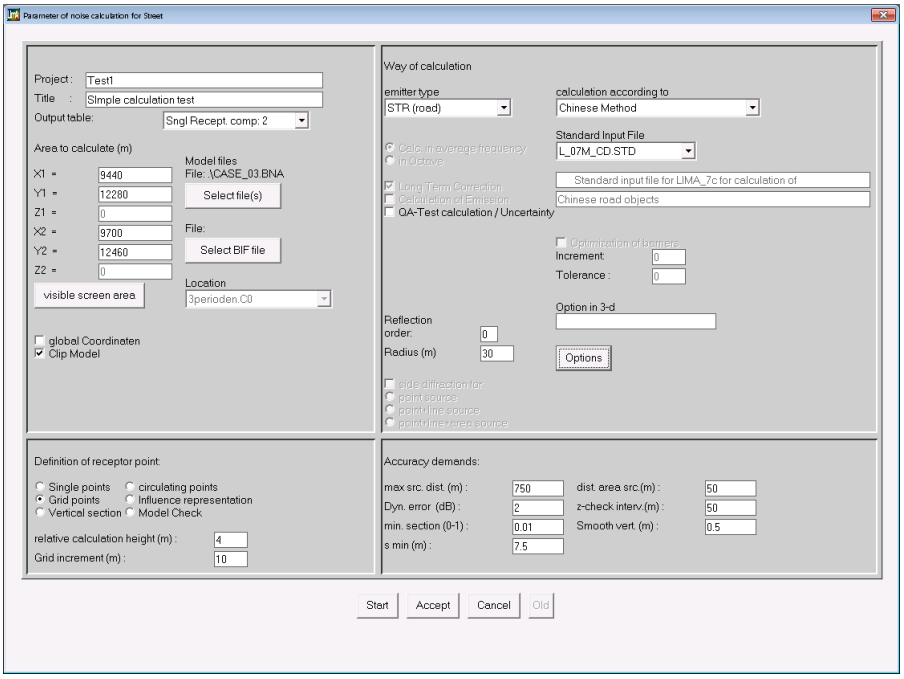
10. Save file (Menu File>Save Complete)
    use e.g. Case_03.BNA as new file name

11. Start Server



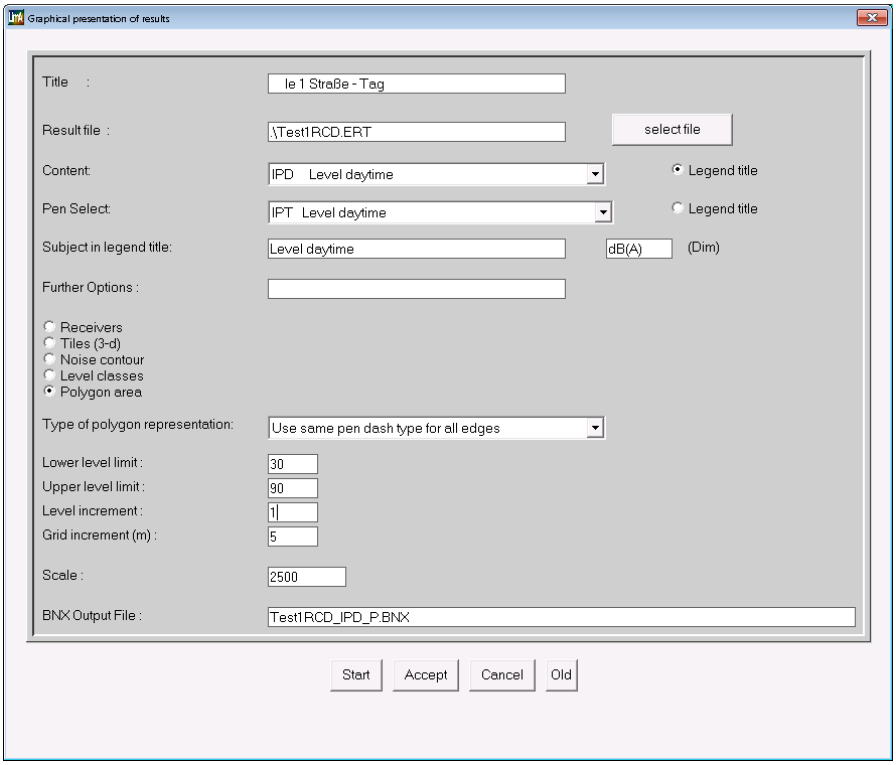
Checkmark “Start Server” and press ok.

12. Start calculation job
    Use menu Calc>Ambient Noise>Road and fill in values:
    a. Selecte file Case_03.bna
    b. Visible screen area
    c. Grid points at 10 m grid and 4 m height



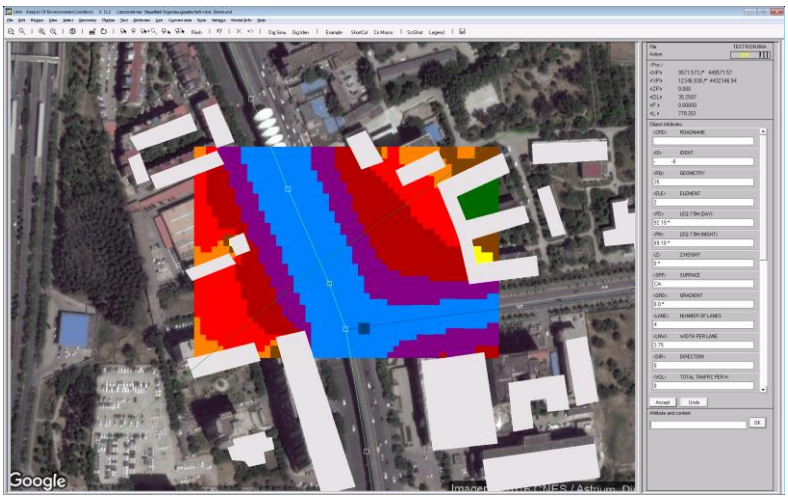
13. Start Generating graphics of results
(This can be done while calculation is still in process)

Use menu Calc>Graphic of results

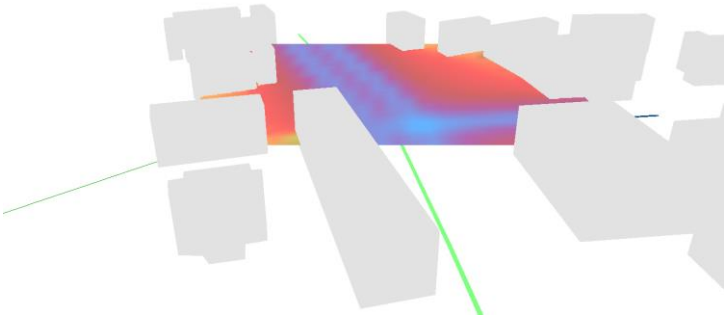


The will generate file Test1RCD_IPD_P.BNX

14. Add this file one it is available
Add model check data on top (*kon.bna)



15.



16. For 3-d visualization result files are best prepared as TIN (check box file tiles in graphic of result dialogue box)

Using the automated processing for a similar job:
Details are given in page 14+ in document
09.09.2016 15:41 1.185.266 LimA_Platform_Integration_V02_HS02.pdf

1. Start calculation

17.