EXERCISE 5

Generating 3D views of a surface

In order to view a 3D representation of a surface, the ArcScene software is used. ArcScene allows the manipulation of the model to provide different viewpoints.

Objectives (at the end of this module, the user should be able to)

1. Add and display 3d surface models
2. Transform, view and arrange 3d models for effective presentation

Requirements:

1. Software required include ArcScene Version 10 or higher

Expected time to finish: 30 Minutes

Generating a 3D view of a Surface

1. Open ArcScene and create a New Blank Scene
2. Right mouse click Scene Lay- ers ->Scene Properties, Set the Coordinate System to Fiji 1986 Map Grid
3. Add "srtm_72_16.asc"
4. Right-mouse click on "srtm_72_16.asc", select Prop- erties and click on the Base Heights Tab
5. Click on Floating on a custom surface button and select the same file
6. Right-mouse click on the Scene Layers -> Scene Properties
7. Click on General Tab set 0.0004 for Vertical Exaggeration.
8. Add the image file previously rectified in Exercise 2 and follow steps 4-5 to show in 3D