Remote Sensing & GIS
Spring Semester 2013

Lab 1 – Pansharpening and visualization

Sultan.Aksakal@geod.baug.ethz.ch
Pansharpening

Run ArcCatalog ➔ Toolboxes\System Toolboxes\Data Management Tools\Raster\Raster Processing\Create Pan-sharpened Raster Dataset

Parameters:
• Input RGB orthophoto
• Red: 1 Green: 2 Blue: 3
• Output name: modification is optional
• Panchromatic image: PAN orthophoto
• Pan-sharpening type: BROVEY
Visualization

- Run ArcGlobe from Start Menu
- Add new data
- Add pan-sharpened orthophoto
- Add satpp_dsm as elevation source
- Zoom to pan-sharpened layer (right click on the layer name)
- Disable imagery layer or change layer orders to see the orthophoto
- Use navigation functions to display the terrain at different views
- Switch on/off the other elevation sources and assess the differences in the views visually
Visualization