

Chapter 6 Training: A Step by Step Tutorial to Map and Monitor Mangrove Forests with Radar Remote Sensing

Scripts

This training is done through GUIs, and does not require any additional scripts.

Data

The data files included in the zipped folder include the following:

- *ALOS_Mosaic-20190325T215536Z-001.zip* (when unzipped, this file contains ALOS Mosaics for 1996, 2007, and 2017)
- *ALPSRP073337100-L1.1.zip*
- *DEM_SRTM.zip*
- *Kenya Mangrove data_Kwale_Gazi.csv*
- *Mangroves.zip*

Data Credits:

© [JAXA/METI](#) ALOS PALSAR [2015 – 2017]; SRTM DEM courtesy of the U.S. Geological Survey

--

A note on unzipping files: if you find you are on a Mac and have trouble unzipping the files manually (for example instead of unzipping it gives you a .zip.cpgz file), you will need to use the Terminal to unzip the file. Open up the terminal and run the following command:

```
unzip location/of/file/filename.zip
```

Be sure to replace “location/of/file/filename.zip” with the actual file path of the zipped file.

This will unzip the file into your home directory, which you can then move to whichever location you prefer.

--

Supplemental materials

Additional materials are included in the SupplementaryMaterials.zip folder. These files are not necessary to complete the training, but provide information that may be helpful.

The supplemental materials in the zipped folder include:

- *Radar_workshop.pptx*: This power point provides an introduction to SAR and an overview of the training Marc Simard provided to the SERVIR-Eastern and Southern Africa hub.
- *SCO Radar_workshop - 091018.pptx*: This powerpoint was put together by Kenneth Mubea (RCMRD) when he re-gave Marc Simard’s training to the SERVIR Science

Coordination Office. It provides additional visuals, details, and examples that may be useful in completing the training.