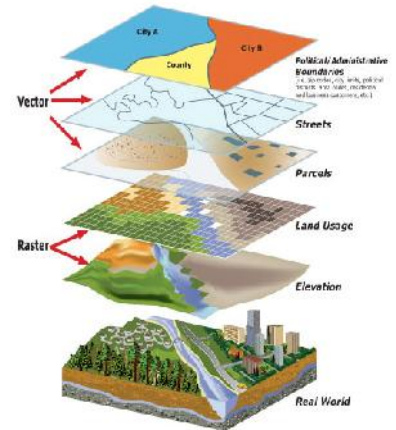




Introduction to GIS (2 weeks: 10 days)

Intakes: 8th January, 6th February, 5th March, 3rd April 9th, May 7th, June 4th, July 2nd, August 6th, September 3rd, October 8th, November 5th 2018

RCMRD is an intergovernmental organization established in 1975 under the auspices of the United Nations, economic commission of Africa (UNECA) and the African Union (AU). It draws its membership from Eastern and Southern African countries and currently has 20 contracting member States. It promotes and builds capacities on Geo Information technologies to her member States. For more information, please visit www.rcmrd.org. The training shall be held at RCMRD



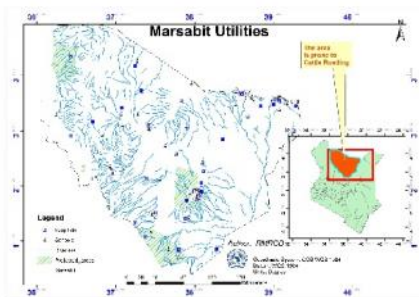
Target Group

The qualifying participants shall be Land surveyors, Geodesist Engineers, Geometricians, Geo-informaticists, Cartographers Geologist, Geophysicists, and other Earth Research Scientists

Course Objectives

Provide clear information, GIS principles, data types, techniques and mapping approaches

Acquire practical knowledge on use of mapping software and produce maps using input data



Cost: USD(\$) 850 per person

Course Content

- ❖ Introduction to GIS: Definition and data types
- ❖ Basics of how GIS works
- ❖ Table Queries: Data base selection by location. Attributes and by graphics
- ❖ Mapping concepts and Layer Symbology
- ❖ Data Editing and Digitization
- ❖ Basics of Geo processing: Buffer, Clipping, merging
- ❖ Working with Google Earth
- ❖ Basic analysis: Data interpolation, Creating contours
- ❖ Geo referencing scanned maps, and Vector layers
- ❖ Map making skills, Map design, Export

For applications and more information contact, sweta@rcmrd.org
+254 724 523 099/ +254 734 561 197



MEMBER STATES:

Botswana, Burundi, Comoros, Ethiopia, Kenya, Lesotho, Malawi, Mauritius, Namibia, Rwanda, Seychelles, Somali, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Uganda, Zambia & Zimbabwe.

P.O. Box 632-00618 Roysambu Kasarani, Nairobi Kenya ■ Phone: +254 020 2680748/2680722
Mobile: +254 723 786161 ■ Fax: +254 020 2680747 ■ Email: rcmrd@rcmrd.org ■ www.rcmrd.org



Regional Centre for Mapping of Resources for Development (RCMRD), Nairobi, Kenya

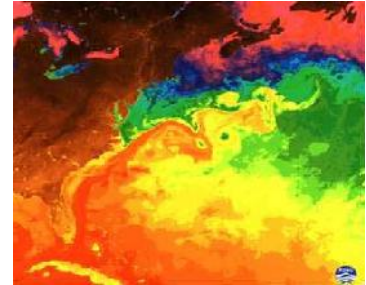


Introduction to Remote Sensing (2 weeks: 10 days)

Intakes: January 22nd, March 19th, May 21st, July 17th,
August 20th, October 22nd, November 19th 2018

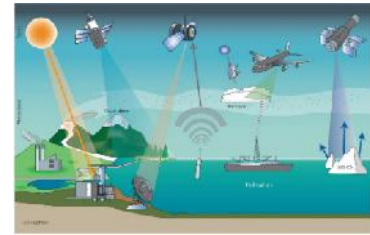
Instructor Led Trainings

Get individual attention, direct peer interaction, professional networking, and immediate response to your questions with our instructor-led training; a combination of personal delivery, hands-on experience, and class participation in creating a rich learning environment. Instructor-led courses are offered at our fully equipped training laboratories at RCMRD. For more information, please visit www.rcmrd.org



Target Group

Qualifying participants include Foresters, Environmentalists, Urban planners, Surveyors, Geo-informaticists, Cartographers, Geologists, Geophysicists, Resource managers and other Earth Research Scientists



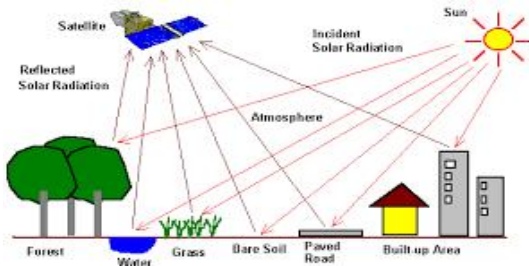
Course Objectives

Provide course participants with necessary skills to process satellite imagery
Acquire practical knowledge on interpretation of satellite imagery and generate land cover products
Generate change detection maps from historical datasets

Cost: US \$ 850 per person

Course Content

- ❖ Introduction to Remote Sensing software (Erdas/Envi)
- ❖ Basics of how Remote Sensing works, image bands, band combinations and mosaics
- ❖ Geometric correction and spatial enhancement
- ❖ Image classification and generation of land cover products and area computation
- ❖ Vegetation indices (NDVI, NDWI, EVI)
- ❖ Change detection
- ❖ Planning for remote sensing fieldwork
- ❖ Use of GPS for field verification
- ❖ Post field work analysis
- ❖ Student Projects



For applications and more information contact, sweta@rcmrd.org
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Contact person:

Leonard SWETA - RCMRD Geo-Information Training Coordinator / Principal trainer - sweta@rcmrd.org

Tel: 254-20-2680722/2680748/8560265/+254 723786161//+254 735981098 or Cell Phone +254 724 523 099

Note: 1. Organizations intending to train at least 10 staff in any of the above or below courses, the class can be organized within an advance notice of one week.

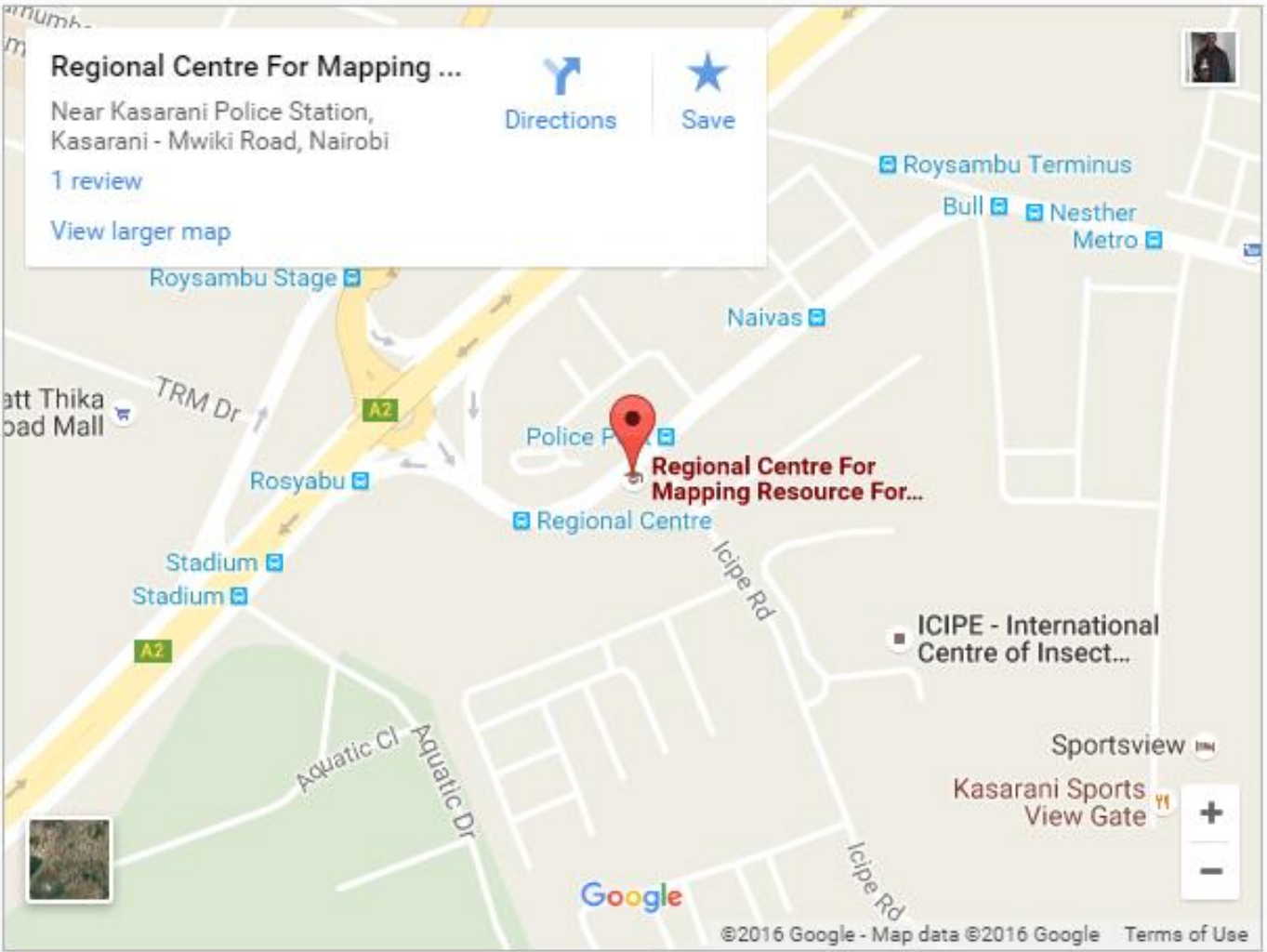
2: International Students: Sponsors must meet the students return air fare, Provide adequate Daily subsistence allowances for accommodation, meals, local travel and medical cover.

3: For GIS and Remote Sensing/GPS students a 1 day field trip payment of US\$200/person is needed.

RCMRD PROJECT SERVICES:

RCMRD offers competitive Project services in the fields of its expertise that include Database Development for Decision Support System; Use of GIS in the Planning and Management of Services and Assets, Data automation, Needs Assessment in Geo-Information Technologies, GIS Application in the Management of Resources, Natural Resources Assessment and Management, Design and Development of GIS in small, medium and Large Enterprises, Mapping for Urban Planning and Development, Cadastral Surveys, Resource Mapping (vegetation, soil, minerals and land use/cover), Natural hazards mapping and forecasting, Engineering surveys (roads, pipelines, dams, etc), Digital Photogrammetric Mapping, Information Technology solutions, Service and Repair of Surveying and Mapping Equipment, and Tailor-made courses amongst other services.

Contact person:



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Contact person:

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