



AFRICAN REGIONAL INSTITUTE FOR GEOSPATIAL INFORMATION SCIENCE AND TECHNOLOGY (AFRIGIST)

Under the auspices of the United Nations Economic Commission for Africa (UNECA)
Off Road 1, Obafemi Awolowo University (OAU) Campus, P.M.B. 5545, Ile-Ife, Nigeria

TWO (2)-DAY WORKSHOP ON APPLICATIONS OF PHOTGRAMMETRY AND REMOTE SENSING IN DEFENCE AND SECURITY

1. Introduction

Contemporary security challenges around the world call for up-to-date geospatial information and other related technologies to enable security agencies initiate, plan and implement strategies for effective and efficient operations. Geospatial information technologies provide capabilities for spatial data collection, analysis, management, processing and visualization for decision-making. In pursuant of current advancements, Spatial Information has become a major requirement in achieving success in any defence or security operation.

This workshop will offer an opportunity to create awareness among different security agencies and stakeholders about the state-of-the-art tools in the application of spatial technologies for defence and security planning, management and operations.

The objectives are to:

- (i) provide an overview of the relevance of Photogrammetry and Remote Sensing in emergency preparedness, conflict resolution and defence;
- (ii) determine the sources and types of data applicable for addressing defence and security needs;
- (iii) expose participants to the range of geospatial tools for managing Remote Sensing data for security and defence purposes; and
- (iv) provide key approaches for the use of Remote Sensing Data in decision support for defence and security activities.

2. Target participants

The workshop is designed for senior management staff members of security and defense agencies and other high level cadre professionals both private and Public (national and international) security services.

3. Content

The workshop will be an interactive session focusing on applications of Photogrammetry and Remote Sensing resources in the management of security and defence challenges. These will include:

- (1) Photogrammetry and Remote Sensing in surveillance, prevention and detection of crime.
- (2) Photogrammetry and Remote Sensing in civil defence and maintenance of public order

- (3) Photogrammetry and Remote Sensing in military intelligence and operations
- (4) Photogrammetry and Remote Sensing in fire disaster management

4. Schedule of activities

Date	Time	Activities
Day 1	8.00am-9.00am	Registration
10/10/2017	9.00am-10:30am	Opening and Short Break
	10.30am-12.00pm	Overview of Photogrammetry and Remote Sensing for Defence operations
	12.00am-2.00pm	Lunch Break
	2.00am-3.30pm	Exploring sources and types of spatial data
	3.30pm-4.00pm	Coffee break
	4.00pm-5.00pm	Tools for the analysis of defence & security information
Day 2	9.00am-10.30am	Demos and Scenarios with Photogrammetry and Remote Sensing in Surveillance and Crime detection
11/10/2017	10.30am-10.45am	Coffee Break
	10.45am-12.00pm	Interpretation of Photogrammetry and Remote Sensing information for Civil Defiance and maintenance order
	12.00pm-2.00pm	Lunch Break
	2.00pm-3.30pm	Basic introduction to Spatial Data Infrastructure and spatial policy management for defence applications and disaster management
	3.00pm-5.00pm	Closing ceremony

5. Expected outcomes

Upon completion of the workshop, participants will be able to:

- (i) understand the key concepts of Photogrammetry and Remote Sensing;
- (ii) identify and select the various sources and types of Photogrammetry and Remote Sensing data required for defence and security management;
- (iii) identify and use geospatial tools in analyses relating to different security and defence intelligence information management;
- (iv) interpret outputs of geospatial analysis for effective decision and policy making

6. Profile of AFRIGIST

The African Regional institute for Geospatial Information Science and Technology (AFRIGIST), formerly known as RECTAS, is located on the Campus of the Obafemi Awolowo University (OAU), Ile-Ife, Nigeria.

The Institute was established in 1972 under the auspices of the United Nations Economic Commission for Africa (UNECA) to: (i) provide theoretical and practical education and training in Geospatial Science and Technology, including in particular photogrammetry, remote sensing, cartography and geographic information systems (GIS) and their applications in geophysical surveys, environmental studies, natural resources management, mapping, land administration, etc.. at Technologist diploma, Master degree and PhD levels; (ii) conduct seminars and Short Term Courses with a view to providing an opportunity to government officials and private practitioners in the region to exchange information and experiences in Geospatial Science and Technology; (iii) carry out studies and research in Geospatial Science and Technology, and (iv) provide advisory and consultancy services to member states of the UNECA, etc.

For further information or clarification on AFRIGIST or the programme, please do not hesitate to contact us physically or by phone call. You may also wish to visit our website (www.rectas.org.ng).

7. Experts / Resource persons

The resource persons for this workshop will be drawn from AFRIGIST and partner organisations such as (i) Obafemi Awolowo University (OAU), Ile-Ife; (ii) Geoconsult International, United Arab Emirate (UAE); (iii) Faculty of Geoinformation Science and Earth Observation Science (ITC), Enschede, The Netherlands; etc.

8. Starting date, Duration and Venue of the workshop

The 2-day workshop is being proposed for **10th - 11th October, 2017** at AFRIGIST Consultancy Short Term Course Laboratory, Obafemi Awolowo University Campus, Ile-Ife, Nigeria.

9. Financial matters

The cost of participation in the 2-day workshop is **One Hundred and Fifty US Dollars (US\$150.00)** only per participant. This does not include accommodation and feeding.

Limited numbers of rooms are available at the Institute's international Guest House (Kufoniyi Hall) at the rate of **Thirty Five US Dollars (US\$35.00)** only per room per night. Eligible candidates are expected to make payment of the participation fee, on or before **12th September, 2017**, directly to the Account Unit of AFRIGIST or to the following accounts:

- (i) **ECOBANK Nigeria Plc**
24, New Court Road, old Gbagi, Ogunpa
Dugbe – Ibadan, Oyo State, Nigeria

Account No. 0252031864
Swift Code: ECOCNGLA

- (ii) **ECOBANK Cotonou, Benin**
Rue du Gouverneur Rayol, BP 1280
Cotonou, Benin Republic
Account No. BJ062 01001 141100833701 43

10. Applications and Contact address

An application form accompanies this proposal or can be downloaded from our website. Candidate should send their completed applications to AFRIGIST at the address below on or before close of business on **8th September 2017**. Scanned and emailed applications will also be accepted.

Dr. O. E. Thontteh,

Workshop Coordinator

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Or

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