

FOLLOW UP ACTIVITIES SINCE THE 2002 REGIONAL WORKSHOP IN ZAMBIA

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1. INTRODUCTION

- **GENERAL AP PPLICATION OF SPACE SCIENCE ANDTECHNOLOGY**
 - Agriculture
 - Mining
 - Telecommunication
 - Communication and Transport
 - Environment
 - Water Resource Management etc

•APPLICATION IN GNSS

- Transport & Communication
- Land Surveying
- Geological Survey
- Mineral Exploration
- Telemedicine etc

All these are using GPSs

2. RESOLUTIONS OF UNISPACE III

The meeting resolved:

To organize four (4) regional workshops in:

- Asia
- Europe
- America
- Africa and the Middle East

The Africa and Middle East workshop took place in Zambia, Lusaka in July 2002.

3. EXPERTS MEETING

After four Regional Workshops, an Expert Meeting was organized in Vienna in November 2004.

Purpose

- To synthesize the resolutions of the regional meeting
- To plan the way forward

Zambia was represented

RESOLUTIONS OF THE MEETING

Projects listed below were identified:

1. Establish Continental Reference system for Africa (African Special Ref – AREF)
2. EUPOS-Initiative to establish uniform DGNSS Basis Infrastructure in Middle East Europe
3. Densification of Continuous Operating Reference Stations for SIRGAS area, South America
4. Sub-regional GNSS Projects applied to Environment and Natural resources and Health

Projects contd....

5. Wider popularization of GNSS and Dissemination of Information on GNSS Service and Application
6. Development of skills and knowledge of University Educators, research and Application Scientists
7. UN/International GNSS Application Workshops
8. Establishment of an Information Dissemination of Information Centre for promotion of GNSS technology

Projects contd....

9. Establishment of a coordinating/cooperation Board for Global Service Providers

10. Support Research Activities related to the development of Ionospheric Models including measurements related to GNSS in Geo-magnetic Equatorial Regions and the Exchange of such information

Main issues that came out for the promotion of GNSS

- Increased education and awareness;
- Improved quality and utilization of GNSS technology; and
- Increased international coordination and cooperation

4. Other meetings

Several meetings were also held.

The last one resulted in the decision to hold the current Regional Workshop

In the case of Zambia, GNSS is being applied in the following sectors:

- **Mining**

Eg -Geological Mapping
-Mineral exploration

- **Transport & Communication**

Eg -Civil Aviation
-Meteorology
-Transport
-Vehicle security (tracking systems)

- **Health**

Eg -Telemedicine
-Transportation of medicines (medical Stores)

- Land

 - eg Land survey

- Defense

- Agriculture

- Tourism and Natural Resources

 - Eg- Location of tourist centers

 - Environmental management

THANK YOU