

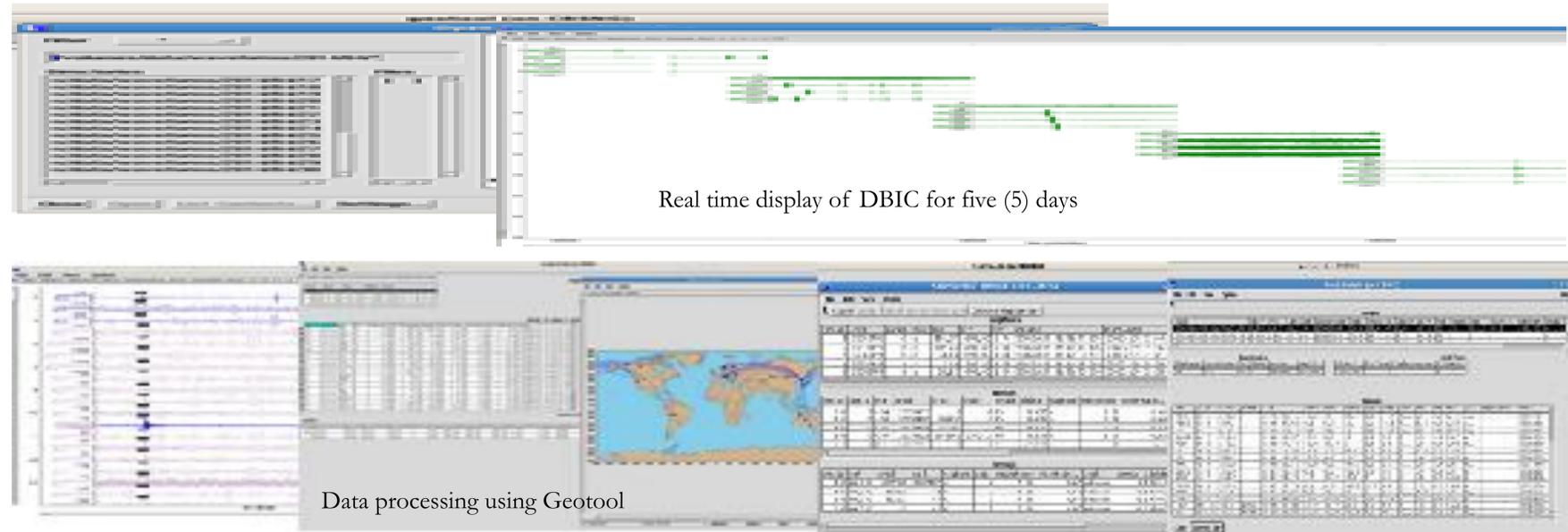
Use of Data and Products: Experiences gained from the CTBTO Capacity Building Activities

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Introduction

Part I article 22(c) of the protocol to the CTBT mandates the International Data Centre (IDC) to provide technical assistance for States Parties to develop the capabilities for receiving, processing and analysing International Monitoring System data at a national data centre (NDC). To facilitate this provision of the treaty voluntary contributions was received by the PTS towards capacity building project (CBP) amongst States Parties. Some States Parties in Africa received donations of capacity building systems (CBS) under the CBP. The aim of this study was to examine the impact of capacity building activities of the CTBTO on the use of IMS data and IDC products by State Parties in the Africa region. This study was designed to be a randomised experiment that employed explanatory qualitative method of research. The flexibility and interpretive rendering of the studied phenomenon was the reason for choosing this method.

Data access and processing at CBSNG



Results and Discussion

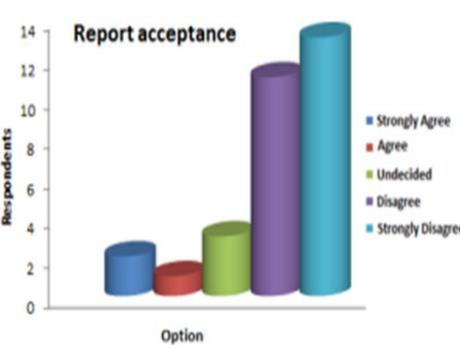
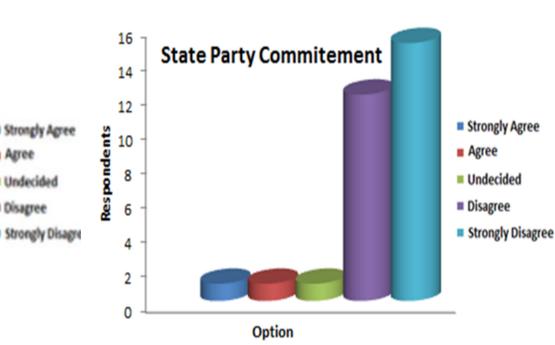
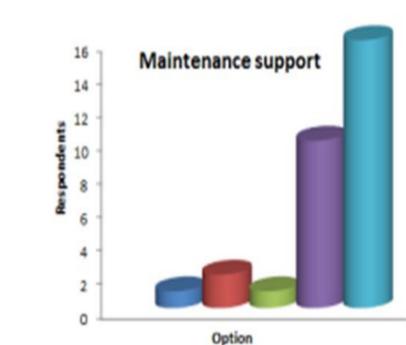
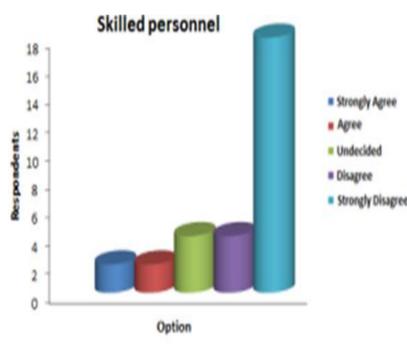
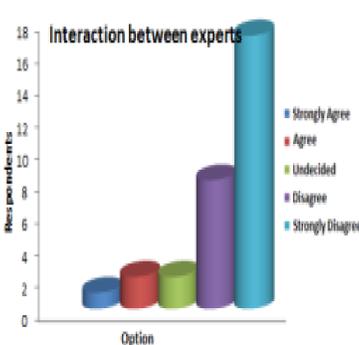
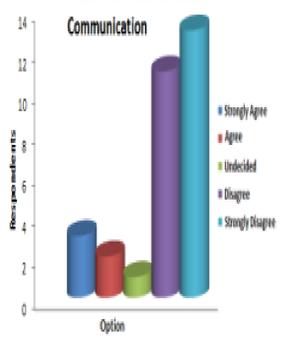
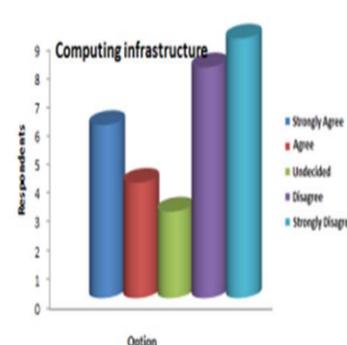
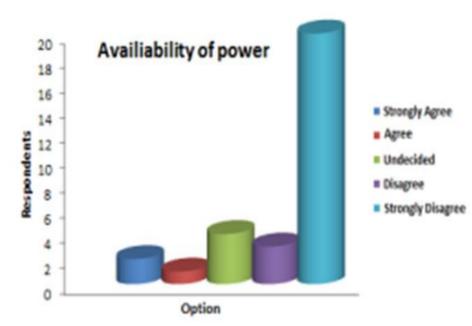
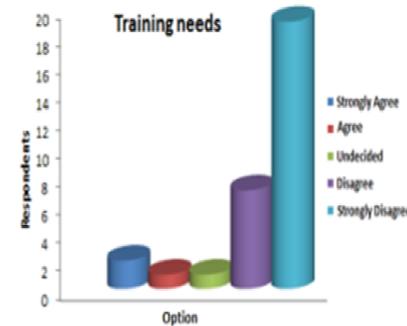
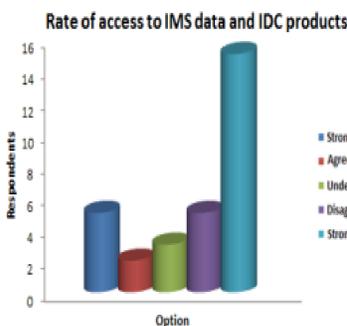
The data for this research was collected through the administration of a 10 term survey questionnaire and focused group discussion. Population of this study was drawn from NDC staff within the region. The sample consists of 30 members of NDC staff selected at random. The result obtained is presented in two parts – positive impact and challenges.

Positive impact

- Increase in the rate of access to the IMS data and IDC products by participants in the project
- An adequate population of skilled analysts for pipeline development
- A robust computing infrastructure resident within the NDCs has been developed
- A more efficient Knowledge management system
- Inter and intra NDC to NDC cooperation
- More reliance on the NDCs by the policy makers on civil application of IMS data

Challenges

- Electricity to power the CBS
- There is Poor maintenance culture in the region.
- Rate of trained analysts lost by the NDC is high
- Lack of public awareness about the activities of the NDCs
- Lack of adequate funding of the NDCs



Conclusion

The positive impact of the capacity building activities in Africa was felt during the NPE2014 with the participation of more State Parties in the exercise. The experiences gained by these State Parties strengthened the deployment of the CTBT verification technologies for civil and scientific purposes. Further funding of the capacity building activities will enhanced the ability of more State Parties participating in the monitoring of nuclear explosion.