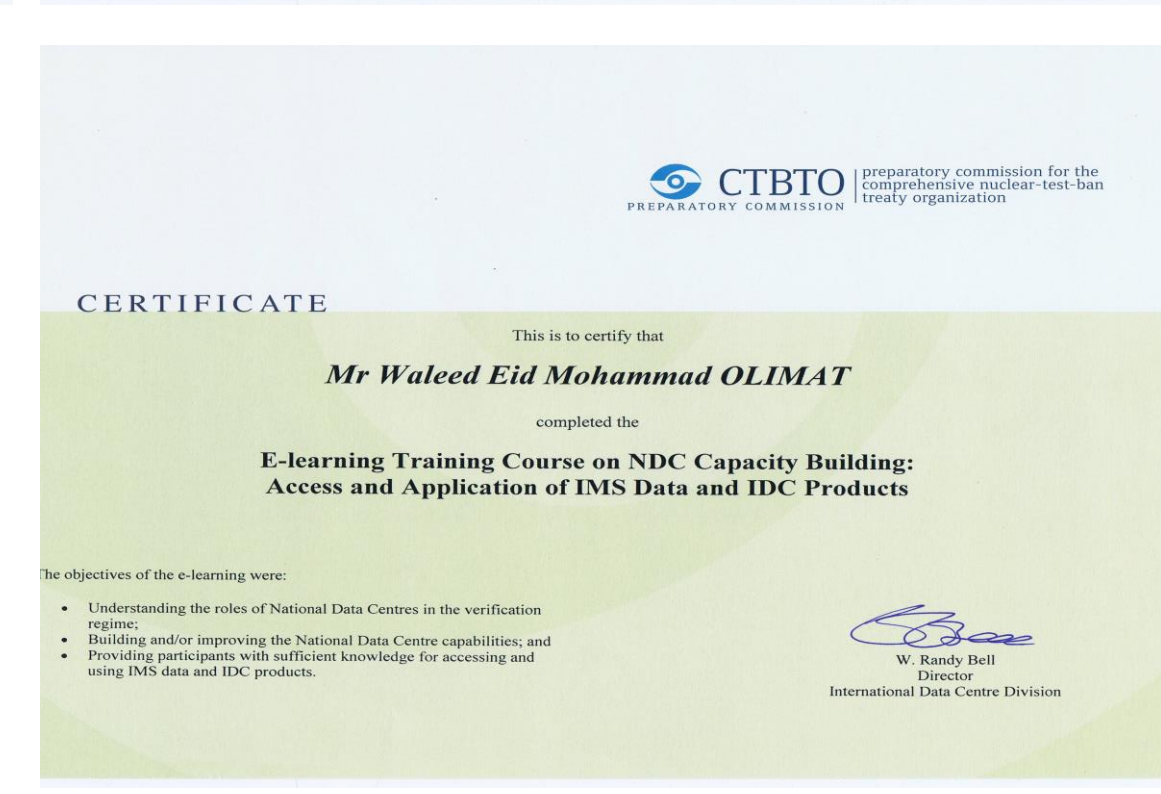
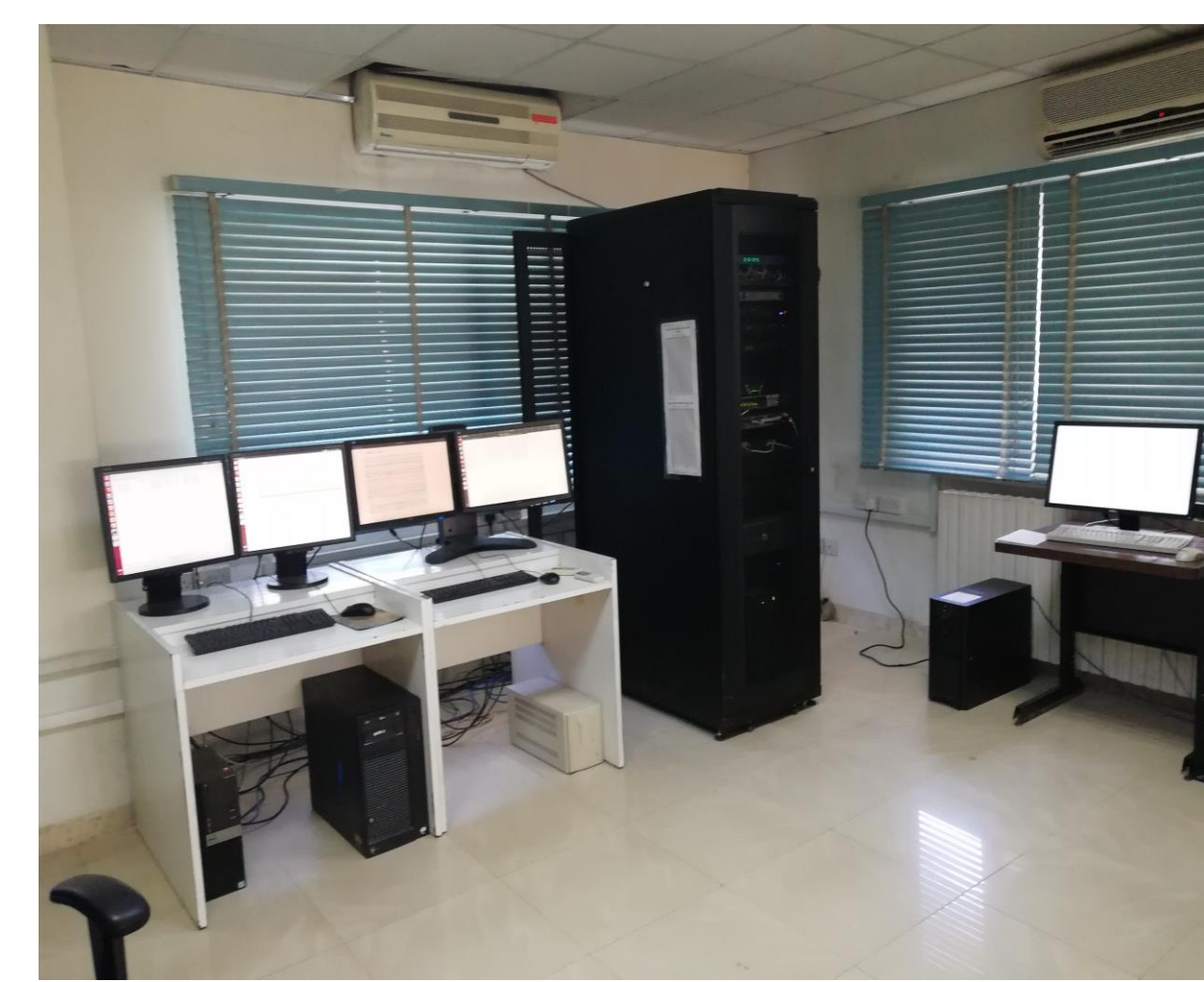
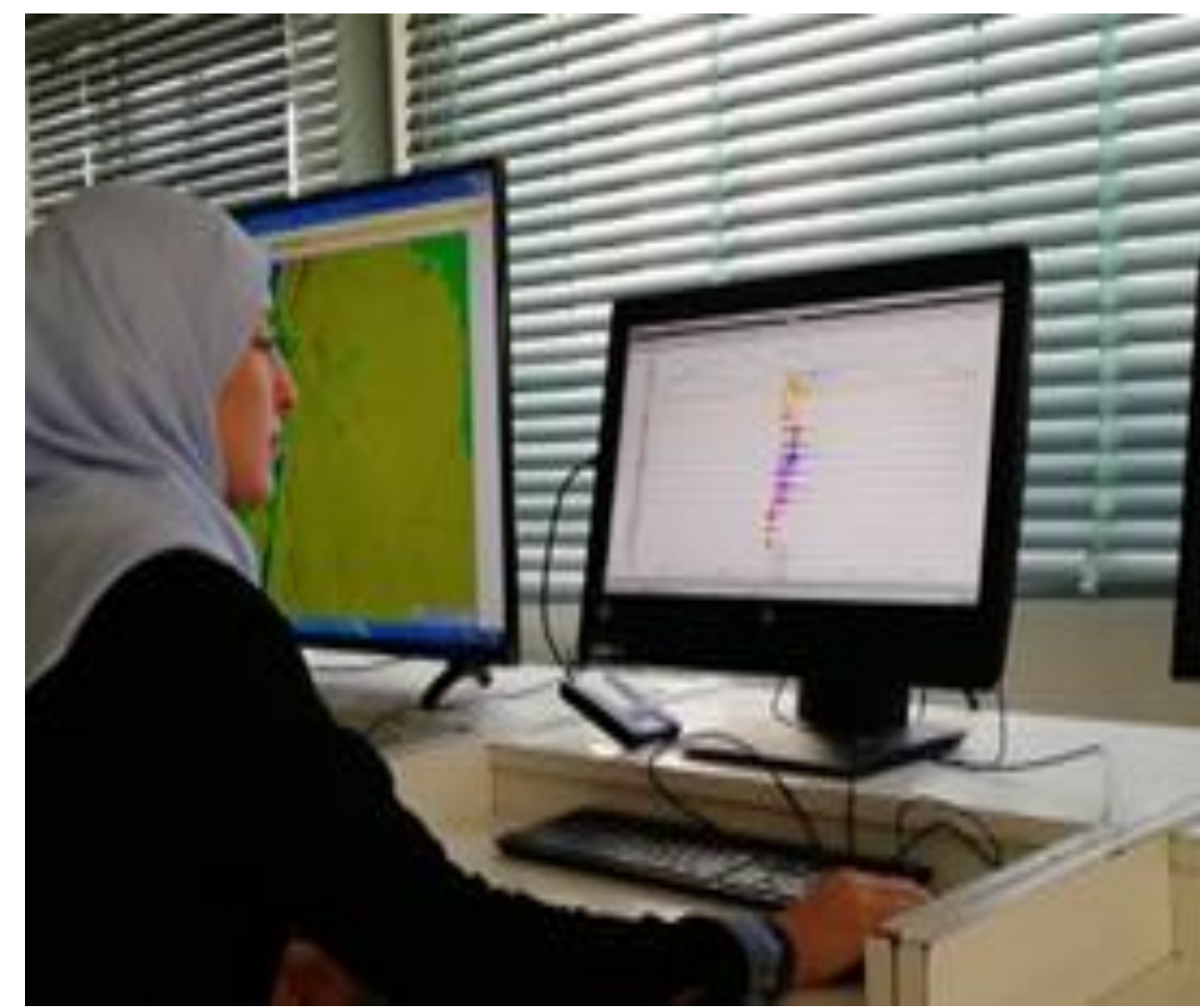




**Abstract :**

Jordan has established the (NDC-JO) within Jordan Seismological Observatory (JSO) under the umbrella of Ministry of Energy and Mineral Resources; this poster aims to present the application of (IMS) data and (IDC) products at (NDC-JO) and (JSO). Since its establishment, JO-NDC received data from a few IMS seismic stations, JO-NDC also utilizes the IDC Secured Website to retrieve the IDC products from time to time. For analysis activity, JO-NDC used a software package provided by CTBTO (NDC in Box). JO-NDC uses the IMS data and IDC products for various purposes such as relocate the regional seismic events by requesting waveform data from IDC product (REB and SSEB) and use it to relocate the events by using different software's. As a result from the application of IMS data and IDC products, JO-NDC is able to strengthen its in-house capability particularly in data analysis as well as participate in any NDC related exercises organized by the CTBTO. The IDC products have enable JO-NDC to compare the accuracy of its analysis findings. JO-NDC has greatly benefitted by the application of IMS data and IDC products in the aspect of building up its capability as well as enabling its participation at the international level.



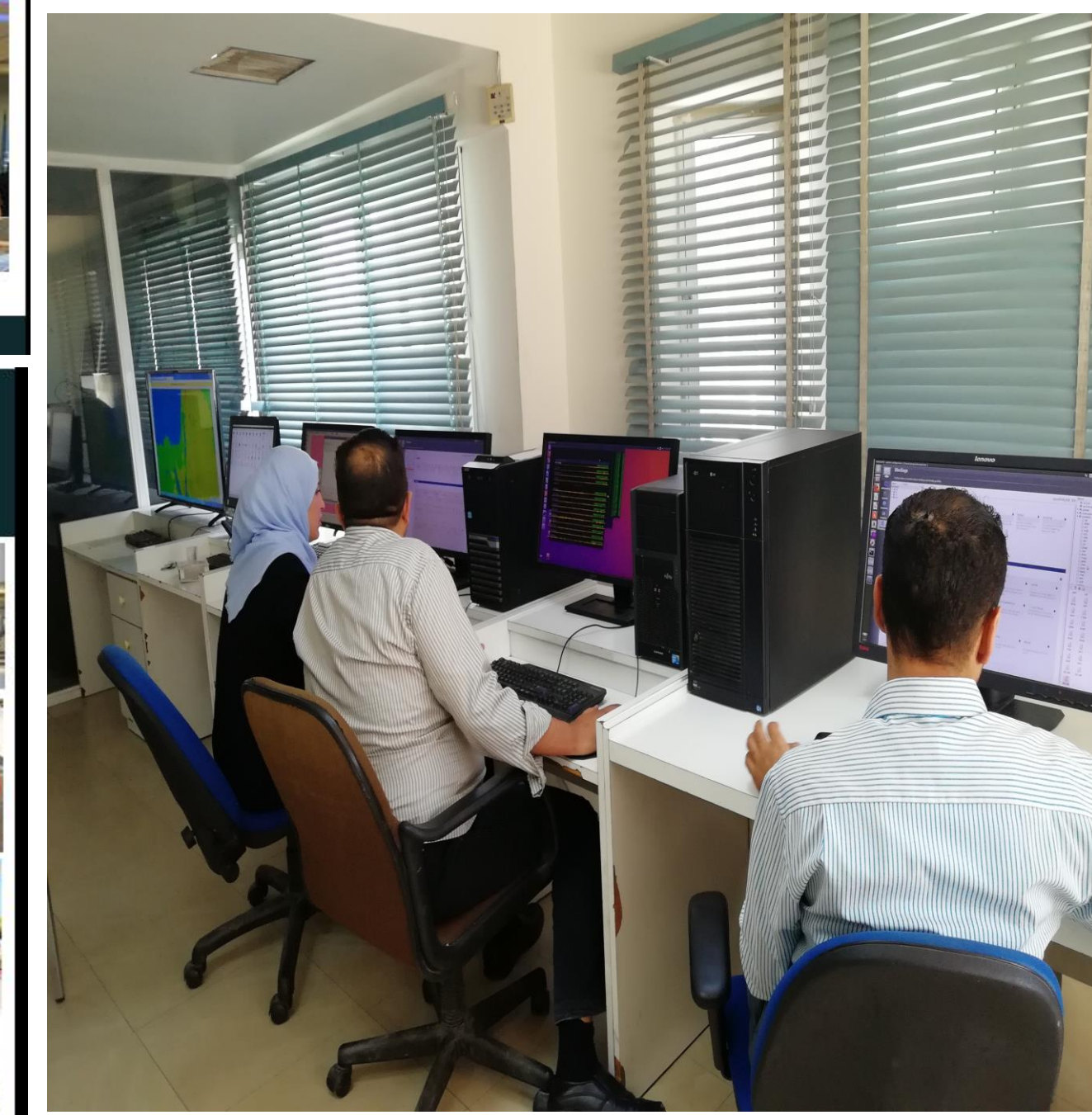
**SnT 2019** How the CTBTO Activities increases and develops the NDCs technical staffs Knowledge, experiences and skills, JO-NDC as an example

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T5.3-P31

**Abstract:** SnT 2019 staffs participated in many NDC capacity building activities and NDC training courses which are very useful for them in their work in NDC-JO and in JSO (Jordan Seismological Observatory). They participated and participating in Training Course for Technical Staff of NDC's, Training Course on NDC Capacity Building - Access and Analysis of Waveform IMS Data and IDC Products, Training Course on NDC Capacity Building - Access and Analysis of Waveform IMS Data and IDC Products, E-Learning Training Course on NDC Capacity Building - Access and Analysis of Waveform IMS Data and IDC Products, NDC Waveform Training Course using SeisComp3, NDC Waveform Analyst Training Course, The African Regional Infrasonic Workshop and Integrated Training for NDCs, NDC Capacity Building: NDC Infrasonic Data Analysis Training Course, 6th Workshop on the Operation and Maintenance (OM) of the IMS 3rd OS training Cycle, OSI workshops, Infrasonic Technology Workshops, CTBT Science, "Around the Globe and Around the Clock: The Science and Technology of the CTBT", CTBT Diplomacy and Public Policy Course, SNIS CTBT Science and Technology Conferences (2011, 2013, 2015, 2017 and 2019), NDC Infrasonic Data Analysis Training.

Disclaimer: The views expressed in this poster are those of the author and do not necessarily reflect the view of the CTBTO.



**SnT 2019** 20 Years of Participations in CTBTO activities

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T5.3-P1

**Abstract:** Since 1999, I participated in many NDC capacity building activities and NDC training courses and OSI activities and now I am one of the Third On-Site Inspection Training Course participants. I participated in NDC training courses: TRAINING COURSE FOR TECHNICAL STAFF OF NDC'S, Training Course on NDC Capacity Building - Access and Analysis of Radionuclide IMS Data and IDC Products, Training Course on NDC Capacity Building: Access and Analysis of Waveform IMS Data and IDC Products, E-Learning Training Course on NDC Capacity Building: Access and Application of IMS Data and IDC Products, NDC Waveform Training Course using SeisComp3, NDC Waveform Analyst Training Course, The African Regional Infrasonic Workshop and Integrated Training for NDCs, NDC Capacity Building: NDC Infrasonic Data Analysis Training, OSI activities, EIGHTH OSI INTRODUCTORY COURSE, OSI DIRECT'S EXERCISE 2019, JF E14 Diresa Rehearsal, JF E14, JTC Introductory Course, JTC Health, Safety and Security Training Course, JTC in-Field Operations Support Training Course, JTC Visual Observation and Radionuclide Techniques Training Course, and IAC, JTC, Others: FIFTH WORKSHOP ON IMS LOCATION CALIBRATION, CTBT Advanced Science Course: "Around the Globe Around the Clock", SnT2013, CTBT Diplomacy and Public Policy Course, SnT2015, and SnT2017.

Disclaimer: The views expressed in this poster are those of the author and do not necessarily reflect the view of the CTBTO.

**SnT 2019** Comparing REB and SSEB (IDC products) with other Seismic Data Centers

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T5.3-P18

**Abstract:** Work at the JSO (Jordan Seismological Observatory) identified some differences in the result of seismic data analysis in most of International seismic data centers and the results of IDC products (REB and SSEB). Seismic data (origin time, Latitude, Longitude, Depth and magnitude) were compared for some events in the International Data Center products REB (Reviewed Event Bulletin) and SSEB (Standard Screened Event Bulletin) with the data for some events from other International Seismic Data Centers like EMSC (European Seismological Centre), GFZ (German Research Center for Geosciences), KOERI (Kandilli Observatory and Earthquake Research Institute), JSO (Jordan Seismological Observatory), GII (Geophysical Institute of Israel) and others. It was found that there is not a big difference in the results especially in the ORIGIN TIME, LATITUDE, LONGITUDE and MAGNITUDE but there is a difference in the DEPTH. Further studies are needed to identify the reason for this cases. It may be from the analysis algorithm or from the velocity model used at the IDC from travel time tables or from other logic-reasons.

Disclaimer: The views expressed in this poster are those of the author and do not necessarily reflect the view of the CTBTO.