



Capacity Building and Training Activities

**Ninth Annual Radiation Measurements
Cross Calibration (RMCC-9) Workshop**

20-22 October 2014
Amman, Jordan

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Overview of the Presentation



- Support to State Signatories
- E-learning modules
- Technical Training
- NDC Capacity Building
- NDC in a Box: Radionuclide software
- NDC Workshops
- The Integrated Field Exercise 2014

Authorized Users, Secure Signatory Accounts (SSA) and State Signatories (SS)

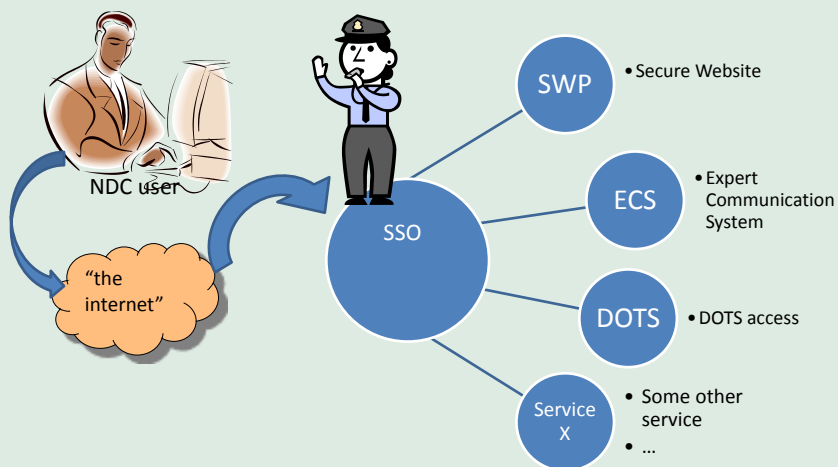


As of 7 July 2014, 1,600 Authorized Users have access to IMS data and IDC products

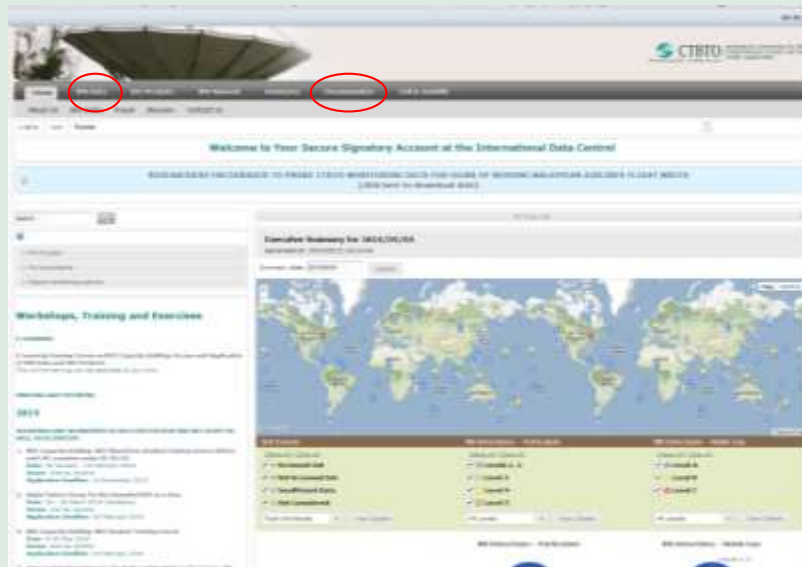
Secure Signatory Accounts
 NO (grey)
 YES (orange)

Region	SSA's	SS's	No SSA
Africa	33	51	18
Eastern Europe	20	23	3
Latin America & the Caribbean	23	31	8
Middle East & South Asia	18	21	3
North America & Western Europe	22	28	6
South East Asia, the Pacific and Far East	17	29	12
Total	133	183	50

SSO- Single Sign-On



SWP – Secure Web Portal



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E-learning modules



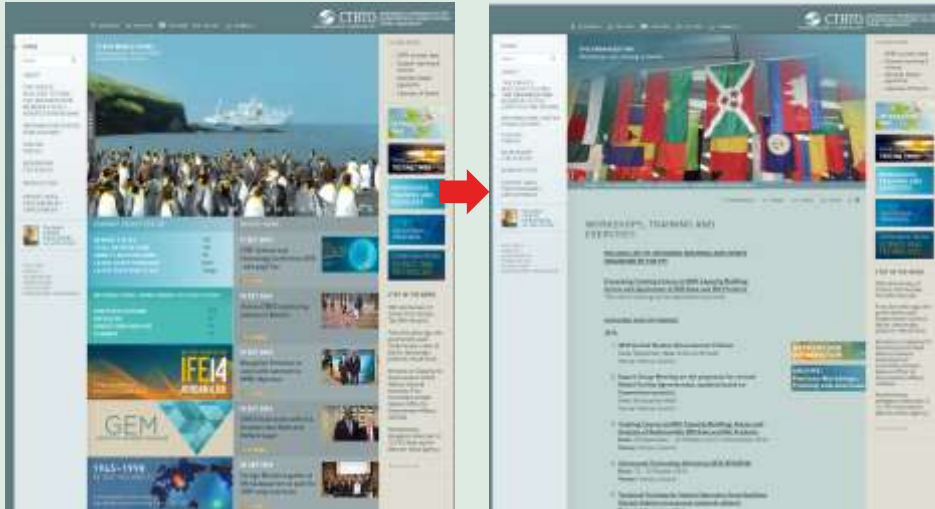
 <p>1. Regional NDC Development Workshops</p>	 <p>2. NDC Capacity Building: Access & Analysis of IMS Data and IDC Product.</p>	 <p>3. Other Activities</p> <ul style="list-style-type: none"> • IDC/ NDC Analyst training course • Knowledge exchange 	 <p>4. Station Operator Training</p>	 <p>Equipment support Technical Support in the Field</p>
<p>E-learning</p>				

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Workshops Training and Exercise



Official website: www.ctbto.org



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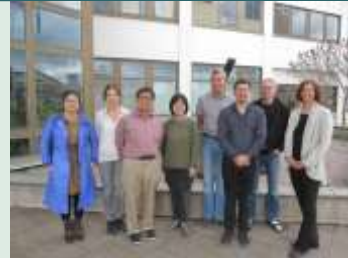
Technical Trainings



Advanced Technical Training for Radionuclide Station Operators with SAUNA Equipment 12 to 16 May 2014, Uppsala, Sweden

Objective:
To provide IMS station operators who already have experience operating SAUNA systems with the required in-depth knowledge and technical understanding of SAUNA noble gas monitoring systems in order to perform more complex operations and maintenance tasks.

There were five participants from three different countries and two PTS.



Technical Training for Station Operators with Nanometrics Equipment 19 to 23 May 2014, VIC

Objective:
The objective of the Technical Training Programme is to provide station operators with the basic knowledge and technical understanding of the operations, maintenance and management of an Auxiliary IMS Station with the Standard Station Interface (SSI).

There were 16 participant from 12 different countries.



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Establishment and Strengthening of NDCs



Installation of Capacity Building Systems

Objective:

Installation and Technical assistance on the operation and maintenance of the NDC basic equipment (Capacity Building System) for the purpose of achieving the objectives related to access and use of IMS data, IDC products and NDC-in-a-box software



Peru (June 2012)



Guatemala (April 2012)



Paraguay (April 2012)



Panama (May 2012)

Technical Follow up visits

Objective:

- Ensure that NDC staff who participated to the two weeks training can routinely use IMS Data and IDC Products
- Train the NDC technical staff on their specific needs and interests
- Collect suggestions and requests from NDC to IDC/CTBTO



Mozambique



Paraguay



Kenya



Panama



Namibia

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Regional Training Course on NDC Capacity Building: Access and Analysis of IMS Data and IDC Products



Objective:

- Understanding the roles of National Data Centres in the verification regime;
- Building and/or improving the National Data Centre capabilities;
- Providing participants with sufficient knowledge for accessing and using IMS data and IDC products; and
- Providing practical experience in analyzing IMS data.



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NDC in a Box-Introduction



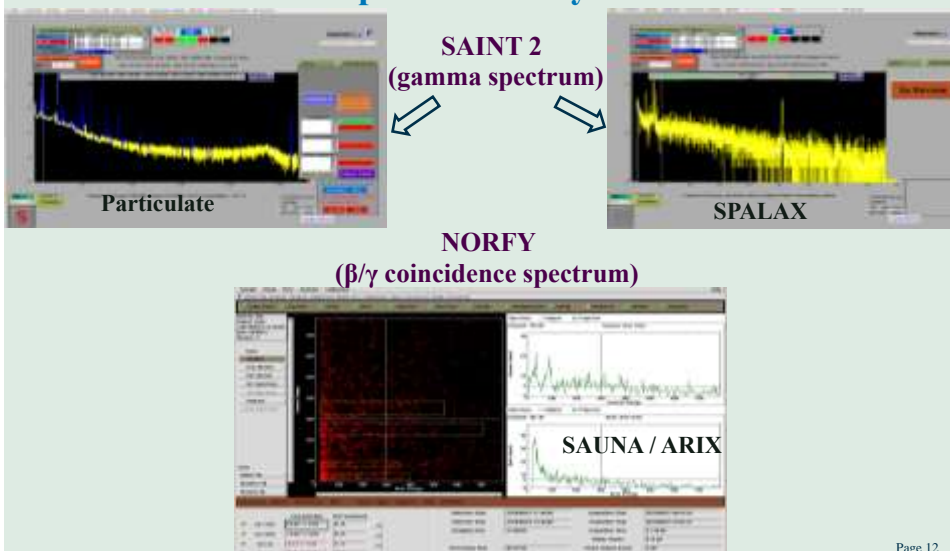
Within the framework of technical assistance to States Signatories, NDC-in-a-Box software for Radionuclide and Waveform data analysis was developed and made available by PTS. More than 40 countries and 1000 users are using NDC-in-a-Box software, which is constantly updated in cooperation with NDC users.

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NDC in a Box: Radionuclide software



The IDC spectrum analysis software



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NDC Workshops



NDC Workshop 12 to 16 May 2014, VIC

Objective:

To provide a forum for NDC experts to share experience in fulfilling their verification responsibilities and to provide NDC feedback to the PTS on all aspects of the data, products, services and support NDCs in their work.

Key topic :

NDC Preparedness Exercise 2013 (NPE13). 78 participants from 44 countries



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The Integrated Field Exercise 2014 (IFE14)



Official website: www.ctbto.org



IFE14 is an Integrated Field Exercise to simulate an almost entire on-site inspection (OSI) in Jordan. The exercise will be conducted during November and December 2014 in an inspection area of up to 1,000 km² on the banks of the Dead Sea - some 100 km southwest of Amman.

The proposed inspection area has a variety of geological features which could be interpreted as resulting from a nuclear explosion and therefore is helpful in the development of a technically realistic scenario for the exercise.

During IFE14 the inspection team will conduct a meticulous search of a clearly defined inspection area to establish whether or not a nuclear explosion has been conducted. The exercise will be in response to a technically realistic and stimulating but fictional scenario.

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the comprehensive nuclear-test-ban treaty
putting an end to nuclear test explosions

Thank you

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The image features a dark green background with a large, detailed view of the Earth on the right side. On the left, there is a faint, semi-transparent image of a nuclear mushroom cloud. Overlaid on the background are various scientific notations and data points, including 'Pb-212', 'Tl-208', 'Bi-212', 'Ann', 'Be-7', and 'Ti-208'. A vertical axis labeled 'Counts' is visible, with numerical values like 10, 100, and 1000. The text 'Thank you' is prominently displayed in a large, white, serif font. The CTBTO logo is in the top right corner, and the text 'the comprehensive nuclear-test-ban treaty putting an end to nuclear test explosions' is in the top left. The website 'www.ctbto.org' is at the bottom left, and 'Page 15' is at the bottom right. The footer text 'Ninth Annual Radiation Measurements Cross Calibration (RMCC-9) Workshop' is at the bottom left.