



THE JAMES MARTIN

Center for Nonproliferation Studies

2016-2017 Critical Issues Forum (CIF)

# Comprehensive Nuclear-Test-Ban Treaty: Contributing towards a World Free of Nuclear Weapons

by Jeandu Preez



# Lecture Overview

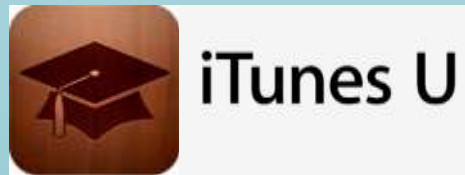
1. History of Nuclear Testing, Nuclear Testing and the Arms Race
2. CTBT Negotiating History, and the creation of the CTBTO
3. Technical dimensions of CTBT: International Monitoring System (IMS), International Data Centre (IDC), and On-Site Inspections (OSI)
4. The role of the CTBT in the Nuclear Nonproliferation and Disarmament Regime, Current Challenges and Future Prospects
5. Educational resources to train the next generation of CTBT experts



*Slides based on material sourced from the CTBTO*

# Educating and Training the Next Generation of CTBT Experts

Live lecture courses



Partnerships with universities



Emphasis on using innovative and engaging tools

For more info: [education.ctbto.org](http://education.ctbto.org)

# CTBTO YOUTH GROUP



PUTTING AN  
END TO NUCLEAR  
EXPLOSIONS

- Working with the leaders and experts of tomorrow
- The Treaty's entry into force and implementation will be in the hands of the next generation of leaders and policy makers.
  - [https://www.ctbto.org/index.php?id=280&no\\_cache=1&letter=e#entry-into-force](https://www.ctbto.org/index.php?id=280&no_cache=1&letter=e#entry-into-force)
- Important to provide youth with access to information on the CTBT and its verification regime and enable those interested to effectively convey to others the significance of the Treaty's entry into force as a key step towards nuclear disarmament and non-proliferation.
  - <https://www.ctbto.org/verification-regime/>
- CTBTO Youth Group is open to all students and young professionals who are directing their careers towards global peace and security and who wish to actively promote the CTBT and its verification regime.
- CTBTO Youth Group currently has a membership of over 60 students and young professionals from around the world. These Youth Group members share the common goal of achieving the entry into force of the CTBT.
- Through capacity building, members will be empowered to use their individual voices, determine what the CTBT means to them, and convey this message in a manner that is meaningful to their peers and community. Furthermore, the resources offered to the group by the CTBTO serve to facilitate interaction among members for brainstorming, knowledge sharing, and the development of projects.
- Learn more on how to apply: <https://youthgroup.ctbto.org/youth-group-homepage/>



## EDUCATION RESOURCES

- Most CTBT training and education activities make extensive use of e-Learning tools
- Interactive technical modules on the Treaty's verification technologies, available in multiple languages
- The CTBT Tutorial is an introduction to the Treaty and its Verification Regime. It is available online in 7 languages
- CTBT Knowledge and Training Portal: the central hub for policy related education activities
  - Live-streaming of lectures for online participants all over the globe
  - Video archives of past lectures
  - Fully integrated Learning Management System, allowing course participants to complete quizzes, assignments and earn certificates.

Visit <https://www.ctbto.org/specials/ctbt-educational-resources//> for more  
information

# In-House Development of Online Modules

- Five new interactive modules developed using Adobe Captivate E-Learning Authoring Software for CTBT Diplomacy and Public Policy Course including:
  - The CTBT, NPT and History of Nuclear Testing
  - The International Monitoring System (IMS)
  - The International Data Centre (IDC)
  - On-Site Inspections (OSI)
  - Civil and Scientific Applications of the Verification Regime.
- Each module approximately 45-55 minutes in duration and features voiceover narrations, interactive animations and embedded quiz questions to promote active user engagement
- Modules deployed as SCORM packages, enabling communication with e-learning platform and participant grade book



# Additional Resources – CTBT Tutorial

- The CTBT tutorial is an hour-long web resource, which provides an introduction to the CTBT through short modules and gives participants an opportunity to test their learning through quizzes (AR, CH, FR, RU, SP, *POR*)



The CTBT Tutorial is a brief, introductory e-learning resource on the basics of the Comprehensive Nuclear-Test-Ban Treaty. The tutorial consists of five modules, covering the following topics: Introduction to the Treaty, Entry-into-Force and Universalization, International Monitoring System (IMS), International Data Centre (IDC), and On-Site Inspections (OSI).

The tutorial is available in the following languages:

- البرنامج التعليمي لمساعدة المصان شامل للتحارب العربية (Arabic)
- برنامج التعرف على الامليات (التفقيه و نظام المصان بعد مراقب بالبرامج الامليات للتحارب و اطلب التسليل للتحارب)
- CTBT教程 (Chinese)
- 学习关于CTBT的基础知识及其核查体系，然后测试一下你学到的知识。无需注册。
- CTBT Tutorial (English)
- Learn the basics about the CTBT and its verification regime and test your knowledge.
- TICE didacticiel (French)
- Apprenez les notions de base sur la TICE et son régime de vérification et testez vos connaissances.
- Tutorial do CTBT (Portuguese)
- Aprenda o básico sobre o CTBT e seu regime de verificação e teste o seu conhecimento. Não é necessária inscrição.
- Основны ДВЗЯИ (Russian)
- Укажите основные характеристики Договора о всеобщем запрещении ядерных испытаний (ДВЗЯИ) и его режима контроля и проверьте свои знания.
- Tutorial del TPCE (Spanish)
- Aprenda los conceptos básicos sobre el TPCE y su régimen de verificación y prueba conocimientos. No es necesario registrarse.

### Entry-into-Force and Universalization Module

Preview Edit Reports Grade essays

Ongoing score is only displayed for student. Login as a student to test ongoing score.

Annex 2 States are countries that:

- possessed natural deposits of uranium ore at the time of the Treaty negotiations
- expressed strong interest in nuclear power research
- have carried out nuclear tests
- possessed nuclear research and/or power reactors at the time of the Treaty negotiations

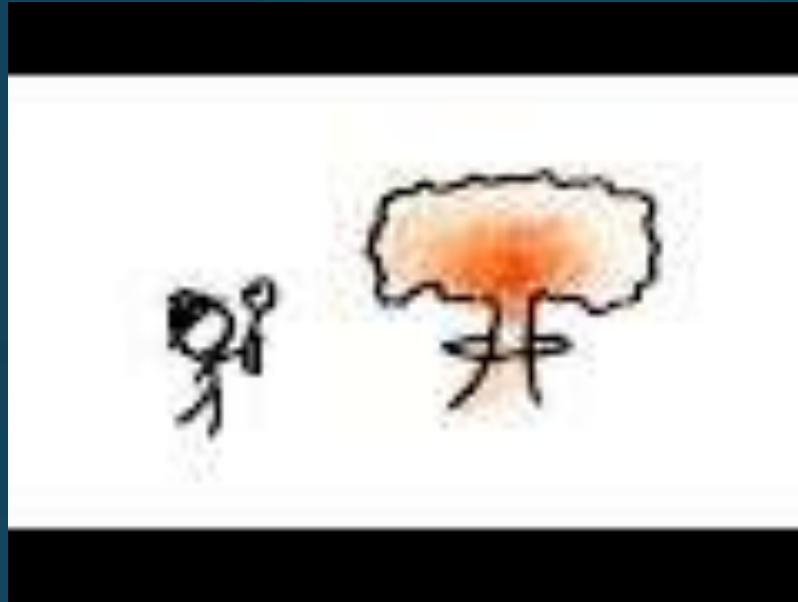
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## Additional Resources – a Quick guide to detecting nuclear tests



<https://youtu.be/daZ7lQFqPyA>

CTBTO website: [www.ctbto.org](http://www.ctbto.org)



Thank you!!

