



CURRICULUM VITAE

Dr. Lassina ZERBO

Lassina ZERBO has extensive leadership and managerial experience both in the private sector as well as the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO) Preparatory Commission.

Dr Zerbo has served as the Executive Secretary of the Preparatory Commission for the CTBTO since 1 August 2013.

In this role he has been a transformational and multidimensional leader, succeeding in cementing the CTBTO's position as the world's centre of excellence for nuclear test-ban verification.

Dr Zerbo is also known for his energy and passion to advance the entry into force and universalization of the CTBT and his initiatives in enhancing synergies between science and diplomacy for peace. He initiated the CTBT Science and Technology Conferences that are held on a biennial basis since 2011, attracting over 1000 scientists, experts, academia and civil society from around 100 countries to discuss science and diplomacy related to the nuclear test ban.

Dr Zerbo is a national of Burkina Faso. He is fluent in English and French and speaks several African Languages. He is married and has three daughters.

ACHIEVEMENTS

Dr Zerbo has established a strong relationship with Members States within and across all regional groups based on mutual understanding. He has a tangible track record of achievements pursuing a multi-faceted mission including tested and proven ability to address crises. Key achievements under his leadership include the swift diplomatic response by the CTBTO to the nuclear tests conducted by the Democratic People's Republic of Korea (DPRK) through the provision of data and analysis of the events to its Member States in near-real time; the successful Integrated Field Exercise (a large-scale simulated on-site inspection) held in Jordan in 2014; CTBTO membership in the Inter-Agency Committee for Radiological and Nuclear Emergencies (IACRNE) as a result of its response to the Fukushima Daiichi power plant accident; the establishment of the Group of Eminent Persons (GEM) and the CTBTO Youth Group to reinvigorate efforts towards entry into force of the CTBT and engage the next generation; the establishment of the CTBTO permanent Technology Support and Training (TeST) Centre; further development of the monitoring and verification system of the Treaty as

well as significant structural and administrative reforms to make the Organization fit for purpose and its integration into the United Nations system, including a successful implementation of an Enterprise Resource Planning (ERP) system compliant with International Public Sector Accounting Standards (IPSAS), achievement of parity in 2018 at the senior management level with equal gender representation.

AWARDS AND RECOGNITIONS

In recognition of his services to the advancement of the international nuclear non-proliferation and disarmament regime, Dr Zerbo has received a number of awards including the following:

- Nazarbayev Prize for a Nuclear-Weapons-Free World and Global Security, 29 August 2019
- 2018 Science and Diplomacy Award of the American Association for the Advancement of Science (AAAS)
- Hiroshima City Special Honorary Citizenship in 2017
- Presidential Medal of the 25th Anniversary of the Republic of Kazakhstan in 2017
- Order of Bernardo O'Higgins in the degree of Grand Cross, conferred by the Honourable Council of the Chilean National Orders in 2016
- Commandeur de l'Ordre National du Burkina Faso (Commander, National Order) in 2015
- 2013 Arms Control Person of the Year Award of the Arms Control Association (USA)

EXPERIENCE

- Leadership experience through leading an international organization in the field of nuclear non-proliferation and disarmament with 184 Member States and over 300 staff
- High level engagements with government officials including Heads of State and Ministers
- Experience with international treaties including compliance with the Nuclear Non-Proliferation Treaty (NPT) and the CTBT and their potential synergies in the area of verification, safeguards and safety
- Industry and international consortium experience
- Managing complex projects such as the buildup and sustainment of the International Monitoring System, the ERP system, the Global Communication Infrastructure and the establishment of the CTBTO Technology Support and Training Centre through effective and efficient mobilization of human and financial resources

COMPETENCIES

Dr Zerbo has considerable experience in the exercise of multilateral diplomacy as well as management combined with solid scientific and technical knowledge and expertise.

Multilateral Diplomacy (Nuclear Non-Proliferation and Disarmament, Safety and Security)

- Excellent understanding of the current international political context regarding non-proliferation and disarmament issues
- Representation of the Organization at summits, high level conferences and meetings

- Interaction with international and regional organizations and national institutions
- Negotiation skills in various technical and political issues
- Strong technical experience in global monitoring and technologies specific to compliance with non-proliferation and disarmament treaties
- Good understanding of synergies, expectations and challenges of the CTBTO and the IAEA. Commitment to improved cooperation among international organizations.
- Highly effective public speaker receiving invitations as key note speaker to international seminars and conferences on nuclear non-proliferation and disarmament, international security and arms control, nuclear energy and natural disaster risk management

Management

- Ability to lead, motivate and empower people to aim high and achieve more
- Ability to think strategically, set directions and make decisions with a results-based management approach
- Strong team player ensuring involvement of all stakeholders
- Proven record in efficient and effective management of resources by allocating over 80 percent of the budget of the CTBTO on verification activities
- Strong sense of accountability, responsibility and transparency in the allocation of resources

Scientific and Technical Expertise

- International expert in applied geophysics with extensive research and teaching experience in airborne electromagnetics, airborne gravity gradiometry and radiometry; application to exploration and mining (uranium, iron ore, etc.)
- Author and co-author of many classified reports on leading-edge research studies on exploration geophysics (time domain electromagnetics, low temperature SQUIDs, gravity gradiometry and complex resistivity)
- Author and co-author of many lectures and scientific publications on nuclear-test monitoring technologies
- Member of a number of think tanks on energy, science, technology and development, and peace and security for Africa

Promoting International Cooperation and Capacity Building

- Strong believer in cooperation and confidence building
- Commitment to multilateralism and consensus building, through direct engagement with national and regional political and technical stakeholders
- Participated in and delivered key policy and scientific speeches at numerous international and regional forums and events concerning the CTBT and ground-based nuclear explosion monitoring technologies
- Expanded the capacity building activities of the CTBTO to meet the needs of developing countries

- Provided a framework for outreach and capacity building efforts engaging States Signatories
- Initiated the IDC knowledge exchange and fellowship programme to encourage nationals from developing countries to apply for positions at the CTBTO
- Initiated the first CTBTO calibration explosion test in the eastern Mediterranean for knowledge sharing and capacity development in infrasound technology

EDUCATION AND TRAINING

Post-Doctorate: Airborne Radiometric and Electromagnetic (Geoterrex, Ottawa), 1992-1994

Post-Doctorate: Time Domain Electromagnetic and Complex Resistivity (Zonge Engineering and Research Organization, Tucson, Arizona, USA), 1992-1994

Ph.D., Geophysics, Université de Paris XI (Orsay, France), 1992

M.S., Geophysics, Université de Paris VI (Paris, Jussieu, France), 1989

B.Sc. (Honours), Fundamental and Applied Geology, Université de Caen (Normandie, France), 1988

Certificate: Development Project Management Institute (DPMI), Anglo American Training and Development Centre (Maccauville, South Africa), 1999-2000

Certificate: Conflict Handling and Diplomacy, Anglo American Training and Development Centre (Maccauville, South Africa), 2001

CAREER BACKGROUND

Dr Zerbo enjoys an impressive career background in the private sector and at the Preparatory Commission for the CTBTO. Below is a summary of his career experience:

Executive Secretary of the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO), Vienna, Austria, August 2013 to present;

Director, International Data Centre (IDC) Division, Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO), Vienna, Austria, November 2004 to July 2013;

Divisional Principal Geophysicist for Africa and Technical Advisor to the Vice President of Exploration (Anglo American Plc, Johannesburg, South Africa) 2001-2004;

Senior Geophysicist for West Africa and then **Central and East Africa** (Anglo American Prospecting Services) 1995-2001;

Project Geophysicist (BHP Minerals Exploration, Herndon, Virginia, USA) 1994-1995;

Research Geophysicist (Geoterrex and Geological Survey of Canada, Ottawa) 1992-1994;

Research Geophysicist (Institut de Recherche et Développement - Bondy and Paris VI) 1989-1993.

PUBLICATIONS

Dr Zerbo is the author and co-author of more than 30 articles and scientific publications.