

## Alexandre Caldas, Prof.

International Leader in Humanity, Peace, and Sustainable Development

Mozambican and Portuguese | African and Hindu Origins | "DNA for Humanity"

## Biographical Note



**Alexandre Caldas is an accomplished international leader with more than 30 years of experience across diplomacy, multilateralism, and transformative governance with a soul.**

Born in Nampula, Mozambique on 25 September 1972, with Hindu and African roots, he holds both Mozambican and Portuguese nationality. A proud father of two sons, Henrique (2001) and Duarte (2008), Alexandre embodies a generational commitment to peace, equity, and the future of One Humanity.

He served as a **Director within the United Nations** from May 2016 to June 2025, leading global operations as Chief of Early Warning, Data Analytics, Country Outreach, Technology, Innovation, and Big Data at the United Nations Environment Programme (UNEP). He was **Chair of the United Nations Geospatial Network** under ECOSOC and the UN-GGIM Committee of Experts since 2019 — shaping a coherent geospatial strategy for the **UN system and its 193 Member States and 45 UN Agencies**, across five foundational pillars: **peace and security, humanitarian action, sustainable development, international rule of law, and human rights**. A member of the **UN Secretary-General's Data Strategy and Data Governance Group** since 2020, Alexandre has been a key architect of the UN's digital transformation, geospatial integration, and foresight capacity — equipping the organization to act with greater precision, equity, and accountability.

Prior to joining the UN, he served as an **EU Administrator, AU Delegate** for high-level political dialogue across 54 African and 28 European countries, and **Science for Peace and Security Programme Delegate to NATO**. From 2005 to 2011, he was **Director-General and Chief of eGovernment** in the Prime Minister's Office of Portugal, leading digital innovation and governance reform. He has advised over a dozen national governments on transformational change, digital diplomacy, and strategic foresight. An international academic between 2000 and 2015, Alexandre was Faculty Fellow and Associate Professor at the **University of Oxford**, the **London School of Economics and Political Science (LSE)**, and the **Science Policy Research Unit (SPRU)** — the world's top-ranked centre in development and science policy. He has published widely in peer-reviewed journals and is a regular keynote speaker on future policy, planetary governance, and intergenerational dialogue at high-level global forums.

**With a professional legacy defined by systems thinking, multilateral trust-building, and ethical innovation, Alexandre Caldas brings to One Humanity a bold yet grounded vision: a Future that is agile, inclusive, and future-ready, anchored in the values of peace, dignity, and sustainability for all.**

Professor Dr. Alexandre Caldas has a post-doctorate from the University of Oxford, Oxford Internet Institute, (2004-2005), where he was a research fellow and research associate for over 15 years (2004-2019). He holds a PhD in Science and Technology Policy - electronic collaborative networks, by SPRU - Science and Technology Policy Research Centre, University of Sussex, UK (2004), a Master of Sciences with distinction in Economics and Technology Management - Information Systems (1997), Higher Institute of Economics and Management of the Technical University of Lisbon (1997) and a degree in Economics by the same Institute (1994).

Internationally, his academic career is connected to the University of Oxford in the United Kingdom (professor and researcher at the Oxford Internet Institute from April 2004 until October 2005 and research associate since March 2006 until November 2019, the London School of Economics and Political Science, Visiting Professor of New Media and Communications Department - Media @ LSE - 2005-2006, the Science and Technology Policy Research Centre (University of Sussex, January 2000 to December 2003, the world's leading college in innovation and technology policies) and the Erasmus University Rotterdam in Netherlands (1994). He is Associate Professor of Technology Policy at the University Lusophone (since September 2010), he taught at ISCTE in areas of Cybersecurity, been President of the General of the Polytechnic Institute of Santarém Council (2009- 2013). He is a member of the Scientific Council of the Research Centre for History and Science, Professor Joaquim Veríssimo Serrão (since 2013) and was a member of the Secretariat for the international Prize Fernando Gil in the Philosophy of Science (FCT). He was visiting assistant professor of Science and Information Technology in the Atlantic University in Portugal (2008-2010), visiting lecturer at UATLA (1998 and 1999) and was an adjunct professor of ISTEC - Higher Institute of Advanced Technologies, was lecturer in Design Development of Multimedia Computer Graphics (1997-2000).

He was a Director D-1 at the United Nations Environment Programme (UNEP). As Chief Country Outreach, Technology and Innovation and Big Data, for the Environment at Division of Early Warning and Assessment - Science Division (DEWA), coordinating delivery of Data and Analytics, Digital Technologies and Strategic Foresight and UNEP's Global Environmental Data Strategy, and the "World Environment Situation Room" in the 6 Regions of North America, Latin

American and the Caribbean, Europe, Africa, West Asia and Asia and the Pacific. Impact on the ground in 60 Countries worldwide, particularly in the Global South, with UN Reform and Common Country Analysis and Data Strategy Use Cases. Since 2019, Chair of the UN Geospatial Network, across 45 agencies and entities of the UN system, strengthening the coherence and coordination of global geospatial information management. The UN Geospatial Blueprint, UN Geospatial Landscape, Geospatial for Humanity and Geospatial in Action for the SDGs, Generic Geospatial Job Profiles, and a One UN Geospatial Situation Room (One Map). Member of Chief Executives Board, Strategic Foresight Network.

Within the framework of the High-Level Political Dialogue (HLPD) on Science, Technology, and Innovation, between the European Union and the African Union, he has developed the Partnership in Research and Innovation between 28 countries in the European Union and 54 countries in the African Union (October 2013 - April 2016). Responsible for the signature of the long-term Partnership Agreement between the European Union (EU) and the African Union (AU), on Research and Innovation for Food, Nutrition Security and Sustainable Agriculture. During this period, he was also Portuguese Delegate for the NATO Science for Peace and Security programme. With the European Union, he was Head of Unit Partnerships Management, responsible for management of the Knowledge and Innovation Communities (consortia 300+ partners) in 28 countries in Europe, a position as Director AD11 at the European Institute of Innovation and Technology (EIT), Hungary.

He was appointed by the Portuguese Prime Minister from November 2005 to July 31, 2011, as Director General of the Management Centre for the Government Network (CEGER), in the Presidency of the Council of Ministers – Prime Minister's office. It was, ex-officio, since June 14, 2006, the Director of the Portuguese State's Electronic Certification (ECEE) and since March 31, 2008, Director of the Supervisory Authority for Electronic Platforms (ESPE).

He has extensive international experience, having visited and worked world-around in more than 73 countries. Alexandre coordinated several international projects in the field of Science, Technology and Innovation, and Program Manager NATO Science for Peace and Security (SPS, 2014-2015) and consultant of the Institute of National Defence in Cybersecurity and Information Security projects (IDN, 2011-2015). Coordinated, among others, the Disaster Recovery project with the Governments of Portugal, Spain and Gibraltar (2008-2011), the Knowledge Networks project with partners from Portugal, Spain, France and the UK, and was responsible for establishing various protocols in Technological Innovation and cooperation with the community of Portuguese-speaking countries, Brazil, Cape Verde, East Timor, Mozambique and Angola (2008-2015).

He has extensive experience in business industry, since 1994 was a founder of ICT companies and international consultant. He was Director of Innovation and New Technology at the Portuguese Industrial Association, Chamber of Commerce and Industry (AIP, 2012-2013), Executive Director of Tagus Valley Technopole, Abrantes (2002-2004), and Ribatejo Digital project coordinator (Lezíria do Tejo, 2002- 2004), consultant on European projects for NERSANT - Business Association of Santarém Region (since 1997) and the Commission Coordination and Regional Development of Lisbon Tagus Valley (2002-2004).

Among his international projects, noteworthy his book "Science and Time - Policy and Strategy for International Partnerships" (2015), CEGER as first world eGovernment entity certified in international standard ISO 20.000 (2011). He participated in technology foresight for the Ministry of Defence in the UK (2002). Since 2003, he coordinated several projects on dissemination of Science and Technology in Portugal, Europe and Africa, and the Commonwealth of Portuguese Speaking Countries (CPLP), published in international journals and conferences in Science, Technology, Innovation, Digital technology, Knowledge Networks, and International Relations.

He began his career in the public sector in a senior position in the Ministry of Science and Technology (1994-1999), as information technology coordinator of the Programmes and Projects Service at the Foundation for Science and Technology.

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