



Participant Biographies

United Nations/Kenya Conference

on

Space Technology and Applications

for

Wildlife Management and Protecting Biodiversity

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and
the Government of the Republic of Kenya

Co-hosted by
the Ministry of Environment, Natural Resources and Regional
Development Authorities
and
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1. Kasahun ABERA (Horn of Africa Regional Environment Center and Network, Addis Ababa University, Ethiopia)

Mr. Kasahun Abera is a GIS and Remote Sensing Programme Officer in the Horn of Africa Regional Environment Center and Network (HoAREC&N) in Addis Ababa Ethiopia. Following ten years of practical experience in wildlife and habitat monitoring in the protected areas system of Ethiopia and South Sudan, he is currently monitoring the abundance, distribution, movement and migration pattern of key wildlife species in the Boma-Gambella landscape (a trans boundary landscape between Ethiopia and the Republic of South Sudan) as well as the ecosystems and human activities. Particularly, since 2013 he was tracking 107 satellite GPS collars mounted on 9 different wildlife species. Prior to joining HoAREC&N, he worked for the African Parks Conservation Network and for Frankfurt Zoological Society. He holds degree in Geography from Addis Ababa University.

2. Abdul-Rahman ADEGBITE (African Regional Centre for Space Science and Technology Education in English)

Abdul-Rahman Adegbite is a Senior Scientific Officer at African Regional Centre for Space Science and Technology Education in English, Ile-Ife, Nigeria. He joined the centre in 2010 and have been involved in teaching and capacity development in area of Remote Sensing and Geographical Information Systems. Before joining ARCSSTE-E, he worked for Digital and Spatial Solutions as GIS Technical Officer and was in charge of Training and digital map production. He holds degrees in Geography and Geographic Information Systems from the University of Ibadan, Nigeria and Environmental Management from Sheffield Hallam University, United Kingdom.

3. Nick AHLERS (TRAFFIC)

Mr. Nick Ahlers has been working in the field of development and natural resource management in several African countries for 16 years. He is based in Pretoria, South Africa with TRAFFIC- the wildlife trade monitoring network, which is a strategic partnership between IUCN and WWF. Nick is currently the Project Leader for a USAID-funded initiative entitled the ‘Wildlife Trafficking, Response, Assessment and Priority Setting’ (Wildlife-TRAPS) Project which is designed to improve understanding of the status and trends of illegal wildlife trade between Africa and Asia and implement effective strategies together with governmental and non-governmental partners to combat the trans-continental trade. Nick holds degrees in International Development Studies and Environmental Studies from Dalhousie University in Halifax, Nova Scotia and an MSc in Environment and Development from the London School of Economics.

4. Mutaz ALAWI (Karak Directorate for Environment)

Mutaz Al-Alawi is Director in Karak Directorate for Environment, Department of Protected Area and Biodiversity Conservation programmes & Researcher in Prince Faisal Center for Dead Sea, Environmental and Energy Research (PFC-DSEER), Mutah University. He is Ph.D candidate in Environmental science. His fields of interest are biodiversity monitoring and assessment; management practices in protected and sustainably managed areas; strategies of conserving biodiversity; natural

resource management; restoration ecology. Al-Alawi is an active member in many associations worldwide. Al-Alawi has published several articles and report in field of environment. He participated in international workshops as key speaker in Germany, Sweden, Austria, Belgium, Iraq, Costa Rica, Antalya, Vietnam, Italy, Turkey, USA, Netherlands, Greece, Morocco, Kazakhstan, United Kingdom, Glasgow, Canada, Japan, Bulgaria and Israel. He is referee / reviewer for some international journal.

5. Victoria ALONSOPEREZ (IETech)

Victoria is an Electronics and Telecommunication Engineer and an entrepreneur. She invented Chipsafer, a platform that can track and detect anomalies in cattle behavior remotely and autonomously. Thanks to Chipsafer in 2012 she was the winner of the International Telecommunication Union Young Innovators Competition and in 2013 she won the Best Young Inventor Award from the World Intellectual Property Organization (WIPO). In 2014 the Inter-American Development Bank selected Chipsafer as the Most Innovative Startup of Latin America and the Caribbean, and the MIT Technology Review selected Victoria as the Innovator of the Year - Argentina & Uruguay.

Victoria graduated from Universidad de la Republica, the International Space University, and Singularity University. From 2014 until 2016 Victoria served as Chair of Space Generation Advisory Council, and she is currently a member of the Advisory Board. Victoria is also the New Generation Member of the Board of Directors of the Space Foundation.

6. Naveed ANWAR (AIT Solutions)

Dr. Naveed Anwar is the Executive Director of AIT Solutions at the Asian Institute of Technology (AIT), Thailand. He also leads the Asian Center for Engineering Computations and Software (ACECOMS) as Director, the Habitech and FerroTech Centers, and is an Affiliated Faculty at the School of Engineering and Technology, both situated at AIT. His leadership has led to the consistent progress of AIT Solutions which helps to develop integrated, innovative, and high-quality solutions in the areas of technology, engineering, environment, development, and management, based on the academic, research and professional expertise of AIT and its partners. Dr. Anwar has nearly 35 years of experience in the field of structural engineering, software development, technical projects management, research and professional development. He earned his Doctor's and Master's degree in Structural Engineering at AIT and holds a Bachelor of Science in Civil Engineering from the University of Engineering & Technology, Lahore, Pakistan.

7. Paul BAKI (Technical University of Kenya)

Paul Baki is a Professor of Physics and Director, School of Physical Sciences and Technology at the Technical University of Kenya. He is a Space physics researcher and chaired the Space Policy and Strategy committee at the National Commission for Science, Technology and Innovation (NACOSTI), Kenya. He is the National Focal point for UNCOPUOS, Long Term Sustainability of Outer Space Activities, Member of the African Union Working Group on Space Policy and Space Strategy. He currently chairs the inter-ministerial Committee of the Square Kilometre Array , Kenya. He previously worked at the University of Nairobi, as an Associate Professor, where he introduced a

Bachelor of Science programme in Astronomy and Astrophysics. He is a holder of doctorate degree in theoretical physics from the University of Nairobi.

8. Werner BALOGH (United Nations)

Dr. Werner Balogh is a Programme Officer in the United Nations Office for Outer Space Affairs in Vienna, Austria. Following several years of work with the Policy and Legal Affairs Section of the Office he is presently in charge of activities related to capacity building in space technology development under the Office's Programme on Space Applications. From 1997 to 1999 he worked as an Associate Expert with the Office for Outer Space Affairs to help planning and organizing the Third United Nations Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE III), held in 1999. Prior to re-joining the United Nations in 2006, Dr. Balogh worked for the Austrian Space Agency and for the European Organization for the Exploitation of Meteorological Satellites (EUMETSAT). He holds Dipl.-Ing. and Dr. degrees in technical physics from the Vienna University of Technology, a MSc. degree in space studies from the International Space University and a MA degree in international relations from the Fletcher School of Law and Diplomacy.

9. Jean-Charles BIGOT (ESA)

Jean-Charles Bigot is administrator in the International Relations Department, Cabinet of the Director General of ESA, in Paris, France.

After a first experience as engineer on Earth observation satellites projects in the French aerospace industry, and following several years at ESRIN, an ESA establishment in Italy, to work for the Earth Observation directorate as ground stations engineer, he moves, at the very early beginning of the 21st century, to ESA-HQ, in Paris, in the International Relations Department to liaise with countries in Asia-Pacific, Middle East and Africa, as well as with the United Nations, He has been also secretary of the International Relations Committee of ESA.

Jean-Charles Bigot is graduated from a french engineering school in Paris, in the fields of electrical and computer engineering, and has a master degree in space engineering.

10. Julian BLANC (CITES MIKE Programme)

Julian joined the CITES Programme for Monitoring the Illegal Killing of Elephants (MIKE) in 2007 as its Data Analyst, and became the Programme Coordinator in 2011. MIKE measures trends in the illegal killing of elephants in some 80 sites in 43 elephant range States spread across Africa and Asia, and builds capacity for elephant protection in range States. Before joining MIKE, he worked for the African Elephant Specialist Group of the International Union for the Conservation of Nature (IUCN), where he was responsible for the running of the African Elephant Database and the production of periodic African Elephant Status Reports. Prior to that he worked in a variety of fields, including molecular biology, information technology and wildlife tourism. He holds degrees in Neurobiology and Ecological Management and Monitoring from the Universities of Sussex and Surrey in the UK.

11. Gaston BUH (WWF, Central Africa)

Buh Wung Gaston is the GIS Coordinator for WWF Cameroon Country Program Office. He is presently in charge of the GIS unit that focuses on the use and applications of geospatial tools/sciences in support of WWF's efforts towards Biodiversity Conservation in Cameroon and the Central Africa sub region. He holds a post graduate in Space sciences with specialization in remote sensing and GIS from the Africa Regional Centre for Space sciences and Technology (ARCSTEE) under the auspices of the United Nations Office for Outer Space Affairs (UNOOSA), OAU Ile-Ife Nigeria.

12. Athanase BUREGEYA (INTERPOL)

Athanase Buregeya is working for INTERPOL Environmental Security(ENS) as a Criminal Intelligence Officer – Project WISDOM since 8 June,2015. Project WISDOM is an initiative of INTERPOL ENS to improve wildlife law enforcement in Africa, specially targeting illegal trade in elephant ivory and rhinoceros horn. Before this position, he handled respectively the duties of the Head of National Centre Bureau of INTERPOL in Burundi(2004-2010) and those of the Environmental Crime Desk Officer at the INTERPOL Regional Bureau for the Eastern Africa (2010-2014). In terms of training workshops and seminars, he attended a lot of specialized and advanced trainings on environmental crimes around the world. In addition, he was also involved in several joint operations organized by INTERPOL and EAPCCO&SARPCCO. He holds a Bachelor in law from National Police Academy Bujumbura.

13. Turcia BUSAKWE (SCS Space)

Turcia is a Product Manager for Ground Station Solutions at SCS Space, a subsidiary company of SCS Aerospace Group, Somerset West, South Africa. She is also involved in capacity building programmes in satellite engineering and geospatial products and services. Turcia has previously worked as a Programme Manager for the Armaments Corporation of South Africa as well as Product Manager for Mini UAVs at Denel Aerospace Systems. She holds degrees in Science Education from the University of Limpopo and in Satellite Communications from the University of Stellenbosch.

14. Julie CALLEBAUT (GeoGecko)

Julie Callebaut is a Senior GIS Specialist for GeoGecko (Kampala, Uganda), a full service consulting firm specializing in geographic information systems for clients in Uganda and East Africa. GeoGecko has a number of projects in the conservation sector: the mapping of carnivores in national parks, the conversion of publicly available biodiversity big data into informative web maps for public consumption and the auto-identification of invasive species in sensitive areas. Julie Callebaut is the technical lead on these projects. Prior to joining GeoGecko, she worked for the Charles Darwin Research Station in the Galapagos Islands, The Andean Bear Foundation in Ecuador, the Research Institute for Nature and Forest in Belgium and international consultancy firms (Technum-Tractebel Engineering, Walsh). She holds a master's degree in Biology from the University of Ghent (Belgium) and recently studied Remote Sensing at this same university.

15. Remi CHANDRAN (National Institute for Environmental Studies, Tsukuba, Japan)

Remi Chandran is a Research Associate, at the Center for Social and Environmental Systems Research (CSESR) at the National Institute for Environmental Studies, Tsukuba, Japan. His primary expertise is on the theory and practice related to the use and application of information technology in environmental governance, specifically related to enforcement information sharing in meeting the compliance requirements of UN multilateral agreements and Sustainable development goals. His broader research interests include international relations, environmental politics, negotiation, international institutions and global governance. Mr. Chandran carries with him 17 years of experience working primarily with United Nations and Government of India and has managed several national and international development projects in Asia and Africa.

His notable work has been the development of the ‘Wildlife Enforcement Monitoring System (WEMS)’ initiative, which was originally designing as a crowd sourced information collection mechanism. WEMS was later re-designed as a transboundary enforcement information sharing tool involving ground-level wildlife enforcement agencies. He is a recipient of the Irish government bilateral fellowship (1995-97), the European Union Erasmus Mundus fellowship (2010) and the UNU-IAS PhD Fellowship (2012-2014).

16. Lorant CZARAN (United Nations)

Mr. Lorant Czaran is since 2012 a Programme Officer in the Space Applications Section of the United Nations Office for Outer Space Affairs, supporting both the Programme on Space Applications (where he leads the Environment, Natural Resources Management and Biodiversity related thematic areas) and UN-SPIDER (focal point for Africa and the Regional Support Offices network); he is well known across the UN community for his commitment towards innovative geospatial solutions in support of the UN system work. During a long UN-related career since 1996, Mr. Czaran has worked at UNEP/GRID-Arendal in Norway, at the UN Headquarters (Cartographic Section) on UNGIWG coordination and Security Council affairs, and later at the Department for Peacekeeping Operations where he helped produce the first in-house digital satellite imagery-based topographic maps at large scale for the UN Disengagement Observer Force in the Golan Heights, Syria and worked on international boundary demarcation mapping projects (such as Cameroon-Nigeria or Eritrea-Ethiopia). Mr. Czaran also served as the Map Centre Manager for ReliefWeb/UNOCHA before joining UNOOSA in 2008, first as the Head of the UN-SPIDER Bonn Office where he was also a key person in facilitating support with space technologies during the response to the major Haiti earthquake in 2010. Mr Czaran is an acting representative of the United Nations in specialized international bodies such as the Committee on Earth Observation Satellites (CEOS), ISO/TC211 and the Open Geospatial Consortium (OGC).

Mr. Czaran holds the equivalent of a Master degree in Geography and Russian Language from the Babes-Bolyai University of Cluj, Romania, and was a research fellow at Collegium Budapest Institute for Advanced Studies during the beginning of his PhD studies.

17. Ghislain DE LA SAYETTE (Airbus Defence and Space)

Ghislain de la Sayette is born in 1956 in Paris and he is French national.

He is an Electrical Engineer and he also holds also a Diploma in Advanced Studies in Energy Technologies and an MBA from the Paris Chamber of Commerce.

In 2013, he was elected as Corresponding Member of the International Academy of Astronautics.

G de la Sayette started his career in 1982 at the United Nations Economic Commission for Africa in Addis Ababa, Ethiopia, as expert in the development and promotion of new and renewable sources of energy.

In 1986, he joined Airbus Defence and Space (formerly EADS Astrium, formerly Matra Marconi Group) where has spent most of his career.

Today, G de la Sayette holds the position of Director Africa for space at Airbus. His main role is to contribute to the global development of the Group's presence in Africa.

As part of his mission, he spends a large part of his time to promote space as a unique tool for the development of Africa, through improvement of the daily life and safety of its people, and through building capacity of African workforce in space science, technology and applications.

18. Jose Vila DEL CASTILLO

Jose Vila DEL CASTILLO is the Regional Representative of the United Nations Office on Drugs and Crime (UNODC) for Eastern Africa. Following several years of work with UNODC in Latin America as a Senior Regional Advisor, he is presently in charge of activities related to combatting Transnational Organized Crime, combatting Corruption, Terrorism Prevention, Criminal Justice and Crime Prevention as well as Prevention of Drug Use, Treatment and Care of Drug Use Disorders and HIV and AIDS Prevention and Care. Mr. Del Castillo joined UNODC in 1999 as Representative of the Regional Office in Mexico. Prior to joining the United Nations, he worked as Senior Adviser with Spanish Government agencies responsible for drug use prevention, treatment and social services. He also carried out similar work with the European Commission.. He holds a LL.B (Arts, History) from the Universidad Autonoma de Madrid, Spain and a LL.M (Business and Marketing) from the IE Business School in Spain.

19. Christopher DOLL (UNU-IAS)

Christopher Doll is a Research Fellow at the United Nations University Institute for the Advanced Study of Sustainability based in Tokyo, Japan. Trained as a remote sensing specialist, he is active across many areas of sustainable development. He has worked on urban biodiversity governance and also geospatial applications to monitoring illegal wildlife seizures. Prior to joining the United Nations University, he worked at the International Institute for Applied Systems Analysis in Laxenburg, Austria and the Earth Institute at Columbia University He holds a bachelor's degree in Geography and Mathematics and Masters and PhD in Remote Sensing from the University of London.

20. Aline DUPLAA (CLS)

Aline DUPLAA is the Wildlife and Environment Surveillance Business development within the Geopositioning and Data Collection Division at CLS.

CLS is a subsidiary of the French Space Agency which core business activity is the commercial operations of satellite systems for data collection and ocean observation of satellite systems for

positioning and the development of added-value applications and services based on satellite remote-sensing data.

Following several years as Responsible for International Business Development in the field of consultancy services for environment, forestry and agricultural international projects with an Earth Observation Consultancy Services company, subsidiary of CNES (French Space Agency), Aline has been working as manager of Epidemiological surveillance projects development with satellite solutions. She has been in charge of Fund Raising activities with International Donors (Multi lateral donors, Cooperation Agencies, NGOs, Red Cross) and the promotion of satellite solutions for health, poverty alleviation and food security programmes.

Today, Aline is in charge of the development of satellite tracking activity in the animal monitoring domain (mammals and birds) with the Argos system.

She is also working in International collaborations for biodiversity projects with satellite technology and is managing projects for international donors.

21. Isla DUPORGE (UNODC)

Isla Duporge is currently in the process of completing a MSc in Sustainable Development and GIS at Uppsala University, The Swedish Institute of Agriculture (SLU) and Institute of Surveying, Remote Sensing and Land Information (IVFL) at The University of Natural Resources and Life Sciences, Vienna, Austria. In Vienna Isla also worked under the Policy Analysis and Public Affairs section of The UNODC, becoming a Visiting Research Scholar in-order to complete her Masters thesis within the department. This research project concerns “Analysing Strategies that use remote sensing to combat Wildlife and Forest Crime in East and Southern Africa”. Prior to moving to Vienna Isla conducted research on tenure arrangements in REDD+ projects with the Centre for International Forestry Research (CIFOR) at The Consultative Group for International Agricultural Research (CGIAR) ICRAF institute in Nairobi.

22. Bonaventure EBAYI

Mr. Bonaventure EBAYI who is currently the Director of Lusaka Agreement Task Force (LATF), a regional intergovernmental organisation based in Nairobi, Kenya, is a Forestry Engineer and a Master’s degree holder in Forest Protection and Ecology from Forestry Science State Academy (Varonej, Russia Federation) and also a holder of various certificates from specialized law enforcement courses. He works in biodiversity conservation for over 30 years. His experience includes managing regional wild fauna & flora co-operative law enforcement affairs in Africa; land & fisheries Management, professional trainings & practices in forestry engineering & wildlife resources management as well as Trainer in law enforcement. Before joining LATF, he has headed the Lusaka Agreement National Bureau, National Parks and Fauna Reserves Services and National Officer MIKE and Bushmeat Crisis Office, Enforcement Bureau for Fishery & Natural Resources Protection in Congo. Mr. Ebayai is spearheading implementation of the Wildlife Enforcement Monitoring System, a web based information sharing platform, in Africa.

23. Alvin ETANG NDIP (World Bank)

Alvin Etang Ndip is an Economist in the Poverty and Equity Global Practice at the World Bank, based in Washington D.C. Previously a Postdoctoral Associate at Yale University, Alvin holds a Ph.D. in Economics. His interest in micro-development has led him to focus on analysis of poverty and welfare outcomes. With substantial experience in household survey design and implementation, Alvin has worked in several African countries. He is currently managing the World Bank's "Listening to Africa" initiative - mobile phone panel surveys for welfare monitoring. He has also taught economics courses at the undergraduate level, and has experience with designing and using economic experiments as a tool to analyze poverty issues. His research has been published in a number of peer reviewed academic journals, and has also been featured in popular press such as The Economist, Wall Street Journal, Financial Times, The Atlantic, Frontline, among others.

24. Alex FORTESCUE (DigitalGlobe)

Alex Fortescue is Manager for Africa at DigitalGlobe based in Johannesburg South Africa. He has a remote sensing and GIS MSc (majoring in Geology) and a working experience of over 20 years which has been focused on remote sensing satellite technology and associated Geographic Information Systems. He has developed geospatial solutions with stakeholders from as diverse fields as mineral exploration, agriculture, forestry, marine and freshwater ecosystems, social development, intelligence, housing and environment both locally and in the wider African context. He previously developed airborne hyperspectral applications for mineral mapping and environmental baseline auditing in Africa integrating disparate geospatial data including airborne Lidar and thermal imagery. He was also previously in charge of business development and marketing at the CSIR Satellite Applications Centre (now the South African Space Agency) and consulted to the South African Department of Trade and Industry in the development of the National Space Policy for South Africa.

25. Henri FOURNEL (INTERPOL General Secretariat)

Henri Fournel is a Coordinator in INTERPOL General Secretariat, in Lyon, France. Following 23 years of work with various national and international law enforcement entities in Europe in the areas of international police cooperation, he is presently in charge of activities related to the fight against international criminal networks primarily active in the area of wildlife crime. Prior to joining INTERPOL, he worked for the French Ministry of the Interior and for the European Police Agency, Europol. He is seconded to INTERPOL from the French Government, he is graduated from the French Military College and holds a Post Graduate Diploma in Business Administration.

26. Abednego GBARWAY (Forest Development Authority)

Abednego GBARWAY is Chief Park Warden, proposed Grebo-Krahn National Park, Liberia, National Focal Person, Wildlife Enforcement Monitoring System (WEMS) and member, INTERPOL's Wildlife Crime Working Group. Having served in other capacities, he is currently in charge of the day to day management of wildlife and protection of biodiversity in the proposed protected area along with park staff covering Grand Gedeh and River Gee Counties in Southeast Liberia. He worked as Supervisor at the Centre for Environment, Renewable Natural Resources

Management, Research and Development(CENRAD),Ibadan, Nigeria. He served as National Coordinator for two successful regional wildlife law enforcement operations targeting Africa and Asia-‘Operation Wendi’(2013) and ‘Operation Cobra II’(2014).He holds a National Diploma in Forestry Technology from the Federal College of Forestry, Ibadan, Nigeria and a bachelor’s degree(Honours) in Forestry and Wildlife from the University of Benin, Nigeria.

27. Gary GELLER (Group on Earth Observations, GEO)

Gary is a Senior Expert for Biodiversity and Ecosystem Sustainability with the secretariat of the Group on Earth Observations (GEO), based in Geneva, Switzerland; he is seconded there by NASA. Prior to that he was with the NASA Ecological Forecasting Program focusing mainly on the GEO Biodiversity Observation Network (GEO BON), where he is on the Management Committee. (GEO BON is a global effort to coordinate and enhance biodiversity observation systems.) At NASA he also conceptualized the Model Web, to increase access to and interoperability of models and their outputs, as well as TerraLook, a service that makes Earth images available and accessible to users not familiar with remote sensing. Prior to working in the Ecological Forecasting program he was a member of the ASTER instrument Science Team. His Ph.D. is in biology and ecology with a focus on plant architecture and its consequences on temperature, light, and carbon uptake.

28. Ignatius GITONGA GICHONI (Kenya Meteorological Department)

Mr. Ignatius Gitonga is a meteorologist working with Kenya Meteorological Department. He has worked for several years in the Remote Sensing section in the department and has been involved in capacity building in the field of remote sensing and weather forecasting. Through training programs, he has worked hand in hand with European Organisation for the exploitation of Meteorological Satellites (EUMETSAT) in collaboration with Cooperative Program for Operational Meteorology, Education and Training (COMET) to produce Satellite and Remote Sensing based training modules for many years. He has worked with the World Meteorological Organisation (WMO’s Expert Team on Satellite Data Utilisation ET SUP) where he has helped in setting up programs involving satellite data acquisition and utilization globally. He holds a degree in Meteorology from the University of Nairobi.

29. Chris GORDON (Zoological Society of London)

Chris Gordon is the Kenya Country Manager for the Zoological Society of London (ZSL), having worked across Africa for over 12 years. ZSL Kenya is working with government and NGO partners to provide technical capacity building and support for improving law enforcement and monitoring effectiveness, with a geographic focus on the Tsavo ecosystem. ZSL is also trialling and deploying new conservation technologies to provide real-time intelligence on poaching incursions, and developing new conservation financing mechanisms to provide long-term sustainable financing to protected areas. Chris has a Masters in Zoology from University of Oxford, having trialled the first oral vaccines to combat rabies outbreaks in Ethiopian wolves.

30. Paul HAVINGA (University of Twente, the Netherlands)

Prof.dr. Paul J.M. Havinga is full professor and chair of the Pervasive Systems research group at the Computer Science department at the University of Twente in the Netherlands. He received his PhD at the University of Twente on the thesis entitled "Mobile Multimedia Systems" in 2000, and was awarded with the 'DOW Dissertation Energy Award' for this work. His research themes have focused on wireless sensor networks, large-scale distributed systems, and energy-efficient wireless communication. The common theme in these areas is on the development of large-scale, heterogeneous, wireless, distributed sensing systems. He is programme leader of the Graduate Research programme 'Wireless and Sensor Systems' at the University of Twente, and scientific leader of the ICT Innovation Platform Sensor Networks. He has a significant and long experience as project manager in several international research projects on wireless sensor networks. In 2007 he received the ICT Innovation Award for the successful transfer of knowledge from university to industrial use; and the "van den Kroonenberg award" for being a successful innovative entrepreneur.

31. Peter HONGO (Kenya Wildlife Service)

Peter Hongo is a GIS Officer at the Kenya Wildlife Service (KWS) in Nairobi, Kenya. Prior to joining KWS, Peter worked as a Consultant at UNDP – Somalia in the SWB Department. He was involved in data quality assurance by accurate geospatial data input and processing. He identified anomaly on existing Somalia Atlas and GPS data and wrote a report on how to rectify the irregularities. Peter has also worked as a GIS Assistant for Regional NGO called African Conservation Centre (ACC) in Nairobi. At KWS and ACC, Peter has been involved in community resources data collection using space technology, data analysis and quality thematic mapping. He holds a degree of Bachelor of Technology in Geoinformatics from the Technical University of Kenya and a Diploma in Cartography from Kenya Polytechnic. He has also attended training in Wildlife Management Planning for Biodiversity by GIS and Remote Sensing in Japan; and training in Discovery, Exploration and Exploitation of Free Data and Tools for supporting the Mitigation of and the Adaptation of Agriculture and Forestry to Climate Change in Belgium. Peter is also a member of Institution of Surveyors of Kenya, Geospatial Chapter.

32. Lacey HUGHEY (University of California, Santa Barbara)

Lacey Hughey is a PhD student in Ecology at UC Santa Barbara. She has seven years of experience working for the US National Park Service on non-native deer management, elk population monitoring, and conservation of the western snowy plover. After this time, she joined the Brashares Lab at UC Berkeley as a Project Manager for the Hippopotamus Ecology Project at Mpala Research Center in Laikipia, Kenya where she became interested in using remote sensing techniques to studying the movement ecology of migratory ungulates. She is currently pursuing her PhD on this topic as a Graduate Research Fellow with the U.S. National Science Foundation and in collaboration with Dr. Benezeth Mutayoba, Dr. Grant Hopcraft, Dr. Colin Torney, and Dr. Douglas McCauley. More information about their work can be found here: <https://thegnufontier.wordpress.com/>.

33. Kyoichi ITO (Remote Sensing Technology Center)

Mr. Kyoichi ITO is the Special Assistant to President of Remote Sensing Technology Center of Japan. He has been working for the dissemination of remote sensing technology including satellite data utilization not only in Japan but also in foreign companies for more than 20 years. He also has been involved in capacity buildings in more than 10 countries funded by JICA (Japan International Agency), JAXA (Japan Aerospace Exploration Agency), World Bank and others .

He was a secretariat of APRSAF (Asia-Pacific Regional Space Agency Forum) and participated in/made presentations at many international conferences on Space Technology and Remote Sensing Technology in order to introduce Japanese Space Technology.

34. Mark JORDAHL (Conservation Concepts)

Mark Jordahl is a Tourism and Conservation Specialist in Uganda. He has primarily worked in the communications side of conservation, producing web and print content for various conservation groups in Africa and the United States, as well as guidebooks to three of Uganda's national parks. He holds a Master's Degree in Conservation Education from Prescott College in the U.S., and is currently pursuing a Certificate in GIS for Environmental Management from University of Toronto in Canada. He sees the visual aspects of GIS and Remote Sensing as powerful tools to make decisions and educate the public about complex conservation issues.

35. John KAYA (Ministry of Natural Resources and Tourism, Tanzania)

Mr. Kaaya has over 20 years experience in Natural Resources Management and strategic planning and monitoring in the public sector with vast experience working with local communities, CSOs, NGOs and the private sector. He currently works as Principal Game Officer, Environmental Coordinator and Climate Change Focal Person in Wildlife Division, Ministry of Natural Resources and Tourism, Tanzania.

Mr. John Kaaya holds Diploma in Wildlife Management, Advanced Diploma in GIS and Data Base, BSc. in Wildlife Ecology and MSc in Natural Conservation and several professional in-service trainings. He has much experience in natural resources planning and management as well as information management in conservation. He has research experience working at Tanzania Wildlife Research Institute (TAWIRI) as Wildlife and Aerial wildlife surveys expert.

36. James KAIRO (Kenya Marine and Fisheries Research Institute)

Dr. James Kairo is a Chief Scientist with the Kenya Marine and Fisheries Research Institute; where he leads a small team dedicated to mangrove forestry research. Since 2011, Dr Kairo has been a member of the International Blue Carbon Scientific Working Group. This group is involved with providing a robust scientific basis for coastal carbon conservation, management and assessment.

Kairo has vast working experiences on the conservation, rehabilitation and sustainable utilization of mangrove resources, which has earned him several national and international awards. He was a lead author in the development of the 2013 supplement of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories.

37. Erustus KANGA (Kenya Wildlife Service - KWS)

Dr. Erustus Kanga is a Senior Assistant Director at Kenya Wildlife Service, Kenya. Following several years of work with the Biodiversity Research & Monitoring Division, he is presently in charge of Ecosystems and Landscapes Conservation and supervision of wildlife field research stations across Kenya. Prior to joining KWS, he worked at the Centre for Biodiversity, National Museums of Kenya. He holds a PhD in Natural Resources Conservation and Management from the University of Groningen, Netherlands and an MSc degree in Biology of Conservation from the University of Nairobi. Dr. Kanga is skilful in biodiversity management; Knowledgeable in the ecology and conservation of tropical forests, savannahs, wetlands and threatened species therein, with emphasis on links between species and ecosystems integrity; and he is adept in climate change vulnerability assessment and mapping.

38. Faith KARANJA (University of Nairobi)

Dr.-Ing. Faith Njoki Karanja is a Senior Lecturer in the Department of Geospatial and Space Technology, University of Nairobi. Dr.-Ing. Karanja has a Ph.D. in Geoinformation from the University of Hannover, Germany, Masters in Surveying and Photogrammetry, Postgraduate Diploma in Computer Science, BSc. in Surveying and Photogrammetry all from the University of Nairobi. In addition, Dr.-Ing. Karanja has a Masters in Business Administration (Project Management) from Kenyatta University. Her core duties entail training, research, consultancy and mentoring in the field of Geoinformation. Specifically, her field of specialization is Remote Sensing and GIS with a focus on Earth Observation Systems, data acquisition using Earth Observation Satellites, Digital Image Analysis and integration of Remote Sensing with GIS in generating information that can be employed in addressing real life problems for instance natural resource management, natural and man-made disasters, food security, poverty, urbanization and effects of climate change. In addition to training she is involved with supervision of Postgraduate Theses both Masters and Doctoral degrees in the field of Geoinformation. Her other duties include curriculum development and review, serving as a Chair of the Postgraduate Committee in the School of Engineering. At the National Level she served as a member of a committee mandated with establishing the Kenyan Space Agency. She has published widely and has a total of over 15 papers in refereed journals and more than 20 papers in international conferences proceedings.

39. Erick KHAMALA (LocateIT Ltd.)

Mr. Erick Khamala is the Founder and Managing Director of LocateIT Ltd, an SME established and based in Nairobi, Kenya that offers products, services and solutions in Africa using ultra-modern Space Technologies / Remote Sensing / Earth Observation, GIS, Airborne sensors, and smartphone-driven geo-apps. As Managing Director, Mr. Khamala is responsible for providing leadership and overall management of the company as well as ensuring its growth. He previously was in-charge of

the Remote Sensing Section at the Regional Centre for Mapping of Resources for Development (RCMRD) for 12 years where he was responsible for overseeing all activities of the section, that included conceptualization, design and implementation of numerous projects and capacity development activities that leveraged Space and allied geo-spatial technologies in application areas such as natural resources management, environmental planning and monitoring, urban planning and management, agricultural monitoring, and in early warning systems for food security & disaster management. Prior to joining RCMRD, Mr. Khamala worked as a Remote Sensing / GIS expert in the AFRICOVER Project implemented by the Food and Agricultural Organization (FAO) and the AGROSCENE Project implemented by the World Food Programme (WFP) – Somalia.

40. Stephen KIAMA (Kenya Forestry Research Institute)

Stephen Maina Kiama is a Research Scientist working with Kenya Forestry Research Institute (www.kefri.org). His training background is in Natural Resource Management and application of Remote Sensing and GIS. His research interest is in structural and functional dynamics of natural ecosystems as well as integration of remote sensing technologies with process-based modeling. Currently, he is investigating the dynamics of wooded savanna ecosystems in the semi-arid parts of Laikipia County (Kenya). He is also pursuing PhD studies on in University of Nairobi. Contacts:- Tel. +254 714 573, Email: skiama@kefri.org, mastakim500@yahoo.com.

41. Sospeter KIAMBI (Kenya Wildlife Service)

Sospeter Kiambi is the Elephant Program Coordinator at Kenya Wildlife Service (KWS). Prior to his posting at KWS Head Quarters in June 2013, Sospeter was the second in-charge of the KWS Mara research station, where he had worked for a period of 9 years. Having worked in the subject of ecology, conservation and wildlife management, he is dexterous with the implementation of biodiversity research and monitoring programs, logical framework preparation for environmental and natural resource projects (with project inclusions of the Development of Human Wildlife Conflict data base for Narok and Trans-Mara districts); and skilful in analytical and statistical analysis. He has associate expertise in Environmental Impact Assessment (EIA) from the National Environmental Management Authority (NEMA). Sospeter is currently charged with coordination of implementation of various conservation initiatives as outlined in the National Elephant Action Plan (NEAP).

42. Saroj KOIRALA (WWF, Nepal)

Mr. Saroj Koirala is a GIS Associate in the World Wildlife Fund (WWF), Nepal. Following years of work with the Remote Sensing and GIS Unit, he is presently Remote Sensing data analyser and developing/modelling GIS Data. Prior to joining the WWF, he worked for the Forest Resource Assessment (FRA) in Nepal, bilateral program between Government of Nepal and Finland. He holds degrees in technical Remote Sensing/GIS, Geospatial Technologies and Navigation Related Applications from the Centre for Space Science and Technology Education in Asia and the Pacific (CSSTEAP, affiliated to UN) India, Erasmus Mundus (University of JAMU, Munster & NOVA) Spain, Germany, Portugal and Politecnico di Torino, Italy.

43. Bernard KULOBA (Kenya Wildlife Service)

Bernard Kuloba is a Senior Research Scientist with Kenya Wildlife Service, following 15 years as a research scientist undertaking biodiversity research and monitoring in Lake Nakuru National Park, Masai Mara National Reserve, Coordinator Carnivore research program is currently in charge of biodiversity research and monitoring in Western Conservation Area, Kenya. He holds Bsc. Wildlife Management, Moi University, Kenya and Masters in Geo-information Science and Earth Observation in Natural Resource management, University Twente, The Netherlands.

44. Haruna Kirya KULU (Uganda Wildlife Authority)

A Security and Law Enforcement Officer working with Uganda Wildlife Authority, has an experience of twenty four years working with Uganda Wildlife Authority in Security and Law Enforcement Department. Am currently based at Uganda Wildlife Authority Headquarters – Kampala and responsible for the protection of wildlife within and outside the protected areas. Prior to joining Uganda Wildlife Authority I worked with Uganda Peoples Defence Force for 05 years. In Uganda Wildlife Authority i have worked in several departments ranging from Security and Law Enforcement Department, Administration Department, Tourism Department and presently Security and Law Enforcement Department. I hold a Diploma in Wildlife Management from College of African Wildlife Management Mweka Tanzania from 2002 – 2004, a Certificate in Wildlife Management from College of African Wildlife Management Mweka Tanzania in 2001, a Diploma in Tourism, Tour and Travel Agency Management from United Kingdom UK in 1994.

45. Manesh LACOUL (AIT Solutions)

Manesh Lacoul is currently affiliated with the AIT Solutions at the Asian Institute of Technology (AIT), Thailand as Adviser to develop the Wildlife Enforcement Monitoring System in Asia. Prior to this assignment, he held the position of Technical Adviser at the Regional Resource Centre for Asia and the Pacific in AIT, where he oversaw partnerships in the region and worked closely with the Regional Office for Asia and the Pacific of the United Nations Environment Programme (UNEP/ROAP) in coordinating a UNEP programme designed to catalyse demand-driven grassroots innovations for sustainable Asia and the Pacific. He has also worked as a member of the Regional Team to develop the joint UNDP-UNEP Poverty Environment Initiative in Asia. He has fifteen years of experience in managing programme, operations, monitoring and evaluations and finances in both AIT and UNEP. He attained his Master of Business Administration from the Assumption University in Thailand and his Bachelor of Science in Biology from the Tribhuvan University in Nepal.

46. Fredrick LALA (KWS)

Fredrick Lala is a Senior Scientist in Tsavo Conservation Area (KWS) where he is presently in charge of research and monitoring activities in the Conservation Area. He has previously worked in Meru, Kora, Kakamega, and Mt Elgon National Parks on a similar position. He holds Masters Degree (Conservation of Biology) from the University of Nairobi and is currently persuing an MBA degree in Strategic Management.

47. Tobias LANDMANN (ICIPE)

Tobias Landmann is head of the Geo_Information Unit at icipe (International Centre of Insect Physiology and Ecology in Nairobi, Kenya). This research and support unit is responsible for fostering geo-spatial science in icipe and aims to act as an incubator for remote sensing and GIS applications in Africa in the thematic areas landscape ecology, ecosystem service assessments and crop and disease mapping. Before joining icipe in September 2012, Tobias was working as an EO scientist at the University of Wuerzburg in cooperation with the German Aerospace Centre (DLR) in Germany. He obtained his PhD on 'space-borne fire mapping in the Kruger National Park in 2003, and has since published numerous articles and book chapters on innovative and integrative EO mapping solutions in view of African research and development needs.

48. Peter MAINA (KENYA WILDLIFE SERVICE)

Peter Maina is a GIS/ Remote Sensing Officer at Kenya Wildlife Service, Kenya. In this capacity, he has worked for four years in the Biodiversity, Research and Monitoring Division where he has been in charge of GIS Analysis and Modelling, and Monitoring of Kenya's Protected Areas using Remote Sensing. He holds degrees in Wildlife Management from Moi University and GIS and Remote Sensing from Jomo Kenyatta University of Agriculture and Technology.

49. Tal MANOR (Amboseli Trust for Elephants)

Tal Manor is a Project Consultant for Amboseli Trust for Elephants (ATE) in Amboseli National Park, Kenya. Following 14 years of work with the Wildlife Conservation section, she is presently in charge of various aspects of ATEs work including: outreach programs, education & awareness, and GIS projects. Prior to joining the ATE, she worked for the famous David Sheldrick Wildlife Trust for ten years, gaining a unique window into elephant behaviour and conservation challenges.

50. Charles MUSYOKI (Kenya Wildlife Service Training Institute)

Dr. Charles Musyoki is the Principal of the Kenya Wildlife Service Training Institute. Following several years of work as a conservation biologist with Kenya Wildlife Service, he is presently in charge of capacity building in competencies related to natural resource management. He has a strong research experience and training in wildlife conservation. His training includes a Bachelor of Science (Hons) degree in wildlife management (Moi), a Master of Philosophy degree in wildlife management (Moi) and a Doctor of Philosophy degree (Kyoto, Japan). He has authored and co-authored a number of scientific publications in wildlife research and conservation and has an international standing especially on matters related to species conservation action planning. He is a member of the IUCN Antelope Specialist Group, the Technical Advisory Group for the Raptors MoU and the African Lion Working Group.

51. Wycliffe MUTERO (Kenya Wildlife Service)

Wycliffe Mutero is the Head of GIS at the Kenya Wildlife Service. He has been working in the field of environment and GIS for more than twenty years. For the last six years he has been working on enhancing the organization of wildlife and biodiversity related data and to the extent possible making these easily accessible on Web-based platforms. Mr. Mutero was a contributor in the recently released atlas titled "Kenya's Natural Capital - A Biodiversity Atlas." With respect to remote sensing he has been working with IGAD's Climate Prediction and Application Centre (ICPAC) under the European Union funded AMESD and MESA Programmes. Mr. Mutero holds a BSc in Physics and Maths from the University of Nairobi. He also holds a Masters Degree with a focus in GIS from Clark University, Massachusetts, U.S.A.

52. Faith MUTWIRI (Kenya Forest Service)

Faith Mutwiri is a GIS and Remote Sensing expert in Kenya Forest Service. Following several years of work with the Forest Information System Department, she is presently in charge of activities related to forest monitoring and management using Remote Sensing. Currently am involved in the program that is generating time series land cover and land cover land use change to be easily integrated into the System of Land Based Emission Estimation in Kenya (SLEEK), to support Kenya in reporting to United Nations Framework Convention on Climate Change (UNFCCC) and other related national requirements. Prior to joining Kenya Forest Service she worked for the Directorate of Resource Surveys and Remote Sensing. She holds a degree in Geography and Environmental Studies from the University of Nairobi and is currently student at Jomo Kenyatta University of Agriculture and Technology pursuing a BSc in GIS and Remote Sensing.

53. Grace NANGENDO (Wildlife Conservation Society)

Grace Nangendo holds a PhD in Forest Ecology and Management from Wageningen University and the International Institute for Geo-information Science and Earth Observation (ITC), the Netherlands. She also holds a Masters of Science in Geo-information Science in Forestry from ITC, the Netherlands and a Bachelor of Science degree in forestry from Makerere University, Uganda. After her PhD she worked with the Forest Ecology and management, Wageningen University, before joining Wildlife Conservation Society (WCS). In addition to currying out work GIS and remote sensing work in Uganda, she supports teams carrying out more technically demanding work in WCS Rwanda and DRC offices. She also supports Government of Uganda's environment programmes related to oil and gas activities in the Albertine Rift. They have published several key documents to inform natural resources conservation in oil and gas exploration areas.

She has over 15 years of experience in Geographic Information Systems (GIS) & Remote Sensing (RS). She also has experience in Project/Environmental Impact Assessment (EIA), Land Use Planning and ecological modelling. She has published a number of peer reviewed papers in various international journals and as book chapters.

54. Walter NAUMANN (Max Planck Institute for Ornithology)

Walter Naumann is a Project Manager at the Max Planck Institute for Ornithology in Radolfzell, Germany. He is presently in charge of all technical activities related to the development of the ICARUS system with emphasis on the preparation of the ground segment and the operational phase. Prior to joining the Max Planck Society, he worked in the German space industry at SpaceTech, Immenstaad, as the responsible ICARUS project manager of the feasibility and design and development phases, and at Kayser-Threde, Munich, mainly for ISS payloads and robotics projects. He holds a diploma and a PhD in aerospace engineering from the Technical University of Munich.

55. Alexandra NEGOESCU (Vienna University of Technology)

Alexandra Negoescu is a researcher at the Vienna University of Technology in Vienna Austria. Before choosing this career path, she did her internship within the UN SPIDER programme in Vienna, Austria working on improving knowledge management and transfer through the UN-SPIDER Knowledge Portal. She holds degrees in Computer Science and Information Technology from the University of Craiova, Romania and is currently working within the Entrepreneurship Center of TUW focused on empowering the commercialisation of research ideas coming from the university.

56. Shadrack NGENE (Kenya Wildlife Service)

Dr Shadrack Ngene is the Head of Ecological Monitoring and Information Management Department in Kenya Wildlife Service in Nairobi, Kenya. Following several years of work with the Biodiversity Research and Monitoring Division of the Service he is presently in charge of activities related to aerial and ground surveys of wildlife, monitoring of vegetation cover changes in protected areas and adjacent areas, mapping wildlife corridors using satellite-linked GPS collars deployed to target species (e.g., elephants, zebra, wildebeests and lions among others), habitat suitability mapping, and developing information management systems under the Office's Programme on Ecological Monitoring and Information Management. He Joined the Service in 2000. Prior to joining the Service, he worked as a Wildlife Management Lecturer at Jomo Kenyatta University of Agriculture and Technology, Department of Zoology, Juja, Kenya. He holds PhD degrees in Application of GIS and Remote Sensing in Natural Resource Management from the University of Twente, Faculty of Geo-Information Science and Earth Observation, Department of Natural Resource Management, The, Netherlands. He also holds a Bachelor of Science and Master of Philosophy Degrees in Wildlife Management from Moi University, Eldoret, Kenya.

57. Khoi NGUYEN (WEMS lead developer)

Khoi NGUYEN is WEMS principal developer since its initiative from United Nation University. He holds master degree in Computer Science from Francophone Institute for Computer Science. He has rich experience in both research and development from mobile application to big data. His current work concerns with the maintenance and enhancement of Wildlife Enforcement Monitoring Systems which is currently deployed in East Africa countries members.

58. Terry Basabeka NJOVU (Department of National Parks and Wildlife - Zambia)

Mr. Njovu joined the Department of National Parks and Wildlife (DNPW), in the year 2004. Having worked as a Wildlife Police officer (Field Ranger) in different rankings and obtained qualification in wildlife management, he was assigned to manage Nyika National Park Zambia, in the Nyika TFCA in 2013. He has helped to create a Law Enforcement Monitoring System in the Nyika TFCA on both the Zambian and Malawian Protected Areas using SMART. He is stationed at DNPW head office, as a Senior Ranger at the CITES Management Unit. He helps the CITES Unit head, attend to all CITES matters and is also responsible for implementing of law enforcement Monitoring Systems in Zambia's PAs. He is currently in 3rd year of a 4 year Bachelors of Science Degree in Wildlife Conservation and Natural Resources Management, within Zambia. He has an Advanced Certificate in Nature Conservation and another in Natural Resources Management both from the Southern African Wildlife in South Africa

59. Steve NJUMBI (International Fund for Animal Welfare (IFAW))

Steve Njumbi is the Head of Programmes of IFAW East Africa based in Nairobi, Kenya. As Head of Programmes, he has been responsible for developing and supervising IFAW's work in Eastern Africa for the past 15 years. In particular, Steve with a dedicated team at IFAW East Africa, has lead elephant habitat restoration and rehabilitation projects in 10 African countries including Kenya, Uganda, Ethiopia Tanzania and Congo DRC and is currently overseeing an innovative community project of securing critical corridors and dispersal areas in Amboseli-Kenya.

And since 2010, Steve has worked with IFAW's Wildlife Trade Program staff to coordinate capacity training of wildlife crime trainings of law enforcement officers from 21 African and Arabian Peninsula countries. This trainings aim at providing knowledge and skills to combat illegal wildlife trade as well as foster inter and intra networking of government officials that is essential in tackling global organized wildlife crime.

Steve holds a post graduate degree in Wildlife Management and before joining IFAW worked with Kenya Wildlife Service (1990-2000) as a scientist in its Elephant Programme and as the Regional Biodiversity Coordinator for Southern Conservation Area.

60. Martha NZISA (KENYA WILDLIFE SERVICE)

Martha Nzisa is a Research Scientist in Kenya Wildlife Service based at the Tsavo East National Park, headquarters Voi. She holds a Bachelor of Science Degree in Wildlife Management from Moi University and a Masters in Environmental Planning and Management from the University of Nairobi. She has long experience in biodiversity conservation having been involved in active conservation issues for a period of over 10 years.

61. Dickens ODENY (National Museums of Kenya)

His work is at the National Museums of Kenya as a research scientist, at the Center of Biodiversity. He has interest on climate and environmental changes specifically on how these phenomena affect biodiversity. He uses geospatial skills for conceptualization of the phenomena interactions in and space and time. Currently, he is pursuing his PhD studies in Geoinformation at the Department of Geospatial and Space Technology (University of Nairobi). His study focuses on modelling biodiversity and carbon storage in the East Africa mountains (Taita Hills in Kenya). Besides this, he is involved in modelling biodiversity hotspots in water towers (Mau forest complex, Mt. Kenya etc) and using SWAT for modelling hydrological output variables for informing decision making on landscape conservation.

Dickens has a Joint Master of Science in Water and Coastal Management from the University of Plymouth (UK) and University of Algarve (Portugal) and a Bachelor of Environmental Science from Kenyatta University (Kenya).

62. Pauline OKEYO (Esri Eastern Africa)

Pauline is the Training and Services Manager at Esri Eastern Africa. She is currently responsible for the development and deployment of GIS solutions for organizations within the Eastern African region. She has experience in designing enterprise geospatial solutions that comprise of systems, professional services and capacity development, and has participated in numerous GIS projects that facilitate efficient and responsible resource management. Prior to joining Esri Eastern Africa, she worked for the Kenya Wildlife Service, Western Conservation Area. She holds a degree in Geography from the University of Nairobi, and is currently pursuing an MSc. in Geospatial Information Science. She is also a certified ArcGIS Desktop Associate and Enterprise Geodata Management Associate.

63. Olakunle OLADOSU (African Regional Centre for Space Science and Technology Education- English, Ile-Ife, Nigeria)

Olakunle Oladosu is a Chief Scientific officer at the African Regional Centre for Space Science and Technology Education-English (ARCSSTE-E), Obafemi Awolowo University, Ile-Ife, Nigeria. He has worked as a Lecturer at the Federal University of Technology, Akure, Nigeria before joining the National Space Research and Development Agency. He is presently ARCSSTE-E's Head of Postgraduate Programmes. He holds a PhD degree in Physics (Atmospheric Option) from the prestigious Obafemi Awolowo University, Ile-Ife, Nigeria. His research interest started from boundary layer problems to presently Space Physics and Applications. He has published a number of papers and attended many national and International conferences

64. Makoto Ooba (National Institute for Environmental Studies, Japan)

Dr. Ooba is a senior researcher in National Institute for Environmental Studies, Japan. From 2007 to 2012 and from 2014 to the present, he participates a study about spatial assessment of ecosystem services from the regional forests in Japan by using of process based models and remote sensing. He also worked for Osaka University, Nagoya University, and the Tokyo University of Agriculture. He holds Ph. D in environmental science.

65. Brian OTIENDE (USAID)

Brian Otiende is the Biodiversity and Water Specialist with USAID Kenya and East Africa. He is responsible for transboundary management of shared terrestrial and aquatic natural resources in the East African region with a focus on wildlife management and freshwater ecosystems. He is currently providing program management support for the biodiversity conservation and freshwater supply, sanitation and hygiene components under the Planning for Resilience in East Africa through Policy, Adaptation and Economic Development (PREPARED) Program and supporting the development of new Counter Wildlife Trafficking (CWT) activities under the Partnership to End Wildlife Trafficking in East Africa. Brian holds a Master of Science (MSc) degree in Managing Environmental Change from the University of St Andrews in Scotland, United Kingdom (2008) and a Bachelor of Science (BSc) in Chemistry and Atmospheric Sciences from the University of Nairobi, Kenya (2005). He is a registered Environmental Impact Assessment (EIA) Associate Expert with the National Environmental Management Authority (NEMA), Kenya. With over 10 years of progressive experience in Environment and Natural Resource Management, Brian has previously worked with the East African Community (EAC) Secretariat based in Arusha, Tanzania as a Climate Change Coordinator.

66. Edward OUKO (RCMRD/SERVIR East & Southern Africa)

Edward Ouko currently leads Ecosystems & Landscapes theme within the SERVIR East & Southern Africa project hosted at the Regional Centre for Mapping of Resources for Development (RCMRD) based in Nairobi, Kenya. He has several years of experience in application of geospatial technologies in ecosystems, landscapes and biodiversity conservation through management of emerging challenges in Kenya and beyond. He holds bachelor's degrees in natural science and a double master's degree in GIS and Remote Sensing (with specialization in global environment modelling) from Twente and Lund Universities.

67. Neeiyati PATEL (UNEP)

Neeiyati Patel is a Senior Programme Officer at the United Nations Environment Programme in Nairobi, Kenya. She currently works with the Country Outreach and Technological Innovations Unit, Division of Early Warning and Assessment and manages the UNEP online knowledge management platform - *UNEP Live* (uneplive.unep.org) which makes discoverable contextualized global, regional and national data and knowledge flows. Neeiyati's work experience and educational background focus on management information systems and integrated environmental assessments.

68. Klairoong POONPON (Ministry of Natural Resources and Environment of Thailand)

Klairoong Poonpon is a Senior Forestry Technical officer of the Department of National Parks, Wildlife and Plant Conservation, Ministry of Natural Resources and Environment of Thailand. Following several years of work with DNP in the specific focus on wildlife enforcement and international cooperation she is holding the position as the Director General's Technical Advisor for

wildlife law enforcement affairs, in charge with the activities related to international cooperation on anti-wildlife crime regional operation. She used to be the Chairperson of the INTERPOL Wildlife Crime Working Group from 2012-2013 and still actively participating with the group as an executive board member. She holds the master degree in forest resources administration from the Kasetsart University of Thailand.

69. Jesús ROMERO RUIZ (Mexican Space Agency)

Is a Manager of Space Security Relations of the Mexican Space Agency. Has developed and proposed to the authorities of the Mexican Space Agency (AEM); the regulations, programs, and inter-institutional mechanisms of cooperation, among national and international government bodies in terms of space security, that allow the integration of strategies, actions and instruments by using space technologies. Also responsible of linking the security agencies of the federal government with the AEM to provide satellite data and imagery used to tackle the natural disasters, resource and ecosystem management, risk in the food security and climate change effects, amongst others. Lawyer Graduate of the National Autonomous University of Mexico (UNAM); Carried out specialized studies on constitutional and administrative Law. Postgraduate studies in Public International Law from UNAM Postgraduate Unit. Recently involved in environmental law and regulations naturally protected areas and wildlife regarding protection.

70. Theotimus RWE GASIRA (Lusaka Agreement Task Force (LATF))

Mr. Theotimus Rwegasira is the Intelligence Officer of the Lusaka Agreement Task Force (LATF). He is a career environmentalist, a principal advisor and coordinator of LATF's core activities on cooperative law enforcement and capacity building programmes focusing on intelligence, operations and investigations. Prior to joining LATF, he worked for the Tanzania Wildlife Division and held various senior positions in which he acquired broad professional experience and knowledge in wildlife conservation and management, cooperative enforcement and compliance with environmental conventions. He served as a commander of anti-poaching unit where he led efforts in combating poaching and illicit cross-border wildlife trade, then as focal person to Multilateral Environmental Agreements related to wildlife conservation. He holds a Master's Degree in Natural Resources Assessment and Management from the University of Dar es Salaam (Tanzania); BSc in Wildlife Management from Sokoine University (Tanzania); and has participated in several specialized law enforcement training programmes. He has also been awarded severally for exemplary performance on wildlife law enforcement matters.

71. Fabio SANTONI (University of Rome "la Sapienza")

Fabio Santoni is Associate Professor of Space Systems at the Department of Astronautical, Electrical and Energetics Engineering. His main research interests include space technology and applications, mainly focused on system miniaturization and nanosatellite systems. He is involved in Space Debris observation and mitigation, as a member of the IADC (InterAgency space Debris Coordination Committee). As the coordinator of the Space Systems and Space Surveillance Laboratory at University of Rome, he is involved in the development of student Cubesat projects and professional Cubesat projects. He is among the academic promoters of three projects of the Italian Space Agency

directly involving Kenyan institutions for research, education and capacity building, in the framework of an Agreement between ASI and Sapienza for the scientific activity at the Broglio Space Center in Malindi.

72. Fiona SINNETT-SMITH (Charles Sturt University, Australia)

Fiona Sinnett-Smith currently works as a wildlife and environmental management consultant. Fiona has a diverse background in research, wildlife and protected area policy and operations management having worked for the NSW National Parks and Wildlife Service for 15 years. She has also worked for a number of nationally focused, not-for profit environmental organizations. Fiona has several degrees - PhD, Masters GIS and Remote Sensing, PGDIP Environmental Studies and BSc Zoology. These academic pursuits reflect her passion for terrestrial and marine biodiversity conservation, and the importance of integrating traditional ecological knowledge, the best available research data and technologies, to improve conservation management policy and assist field operations.

73. Ruth SPENCER (GEF/SGP, East Caribbean Marine Managed Areas Network(ECMMAN))

Ms Ruth Spencer is the National Coordinator for the GEF/Small Grants program and also coordinates the East Caribbean Marine Managed Areas network Project. She is also a director in the newly formed Marine Ecosystems Protected Area Trust Fund-a sustainable financing mechanism.. Her activities at all levels at grassroots level and with government agencies builds capacity and empowers local community groups engaged in integrated development programs. In a small caribbean SIDs, like Antigua with limited skilled human technical and financial resources we piggy back, network and build partnerships at all levels and mainstream across sectors so that we can reach our biodiversity and other targets. Ms Spencer has a Master Degree in in International development Economics from Yale university.

74. Shashank SRINIVASAN (WWF-India)

Shashank Srinivasan is the Coordinator for Spatial Analysis at WWF in New Delhi, India. Prior to joining WWF, he worked as a spatial data consultant and field ecologist for NGOs and think-tanks across India. He holds an MPhil in Conservation Leadership from the University of Cambridge and an MRes in Ecology and Environmental Management from the University of York, both in the United Kingdom. His current research interests include applied geographic systems, environmental policy and the use of new technology, such as UAVs, for wildlife conservation.

75. Takuya TOGAWA (National Institute for Environmental Studies, Japan)

Takuya TOGAWA is a Researcher in the National Institute for environmental studies in Japan. He is engaged in the disaster environmental research in Fukushima area where have had severe damage by the Great east Japan earthquake and nuclear power plant accident. His main research field is land use

and energy circulation system planning based on spatial analysis. He holds degrees in civil engineering from the Nagoya University in Japan.

76. Jake WALL (Save the Elephants)

Dr. Wall is currently acting as a Geospatial Science Advisor to the organization Save the Elephants who are based in Kenya. He started research with Save the Elephants in 2003 and developed a tracking system and GIS software for monitoring African elephants. In 2015, he completed his PhD on the geospatial analysis of elephant movement at the University of British Columbia in Vancouver, Canada. He recently completed a one-year Postdoctoral position at Colorado State University funded by Google with a focus on the application of Google's remote sensing computer infrastructure to elephant movement ecology. He holds an undergraduate degree in Physics and a Master's degree in RADAR remote sensing. Although now living in Canada, he attended high-school in Nairobi and travels to Kenya often.

77. Edwin WANYONYI

Edwin Wanyonyi is the Deputy Director Strategy at Kenya Wildlife Service, in Nairobi, Kenya. With over 15 years' experience in Strategic Planning and Resource Mobilisation he is currently responsible for strategy, marketing and business development, quality assurance, resource mobilization, customer service and monitoring and evaluation at KWS the Government Agency responsible for wildlife conservation in Kenya. Prior to joining KWS he worked for KISM and KARA professional and civil society agency's respectively. Edwin has a Master's of Business Administration degree, postgraduate Diploma in Resource Mobilisation and Project Management. In addition he is a member of Kenya Institute of Management, Kenya Fundraising Professionals and National Steering Committee Member of UNDP Small Grants, besides being an Executive Committee member of the Alliance of Conservation Funds in Africa (CAFE). He is currently pursuing his Doctorate Studies.

78. Yussuf Adan WATO (Kenya Wildlife Service)

Yussuf is a Senior Warden working for the Kenya Wildlife Service, Kenya, in the department of Wildlife Industry Governance and External Linkages. He has worked for over 15 years as a manager of various National Parks in Kenya, both marine and terrestrial, including the most expansive and famous Tsavo East National Park. He is presently pursuing a PhD study at Wageningen University in the Netherlands focusing on Impact of Droughts on Elephant Population Dynamics in Dry Savannas. He holds a bachelors and a master degrees in Wildlife Management from Moi University, Kenya and Linkoping University, Sweden.