Dr. Okeyo Benards, PhD.,

Senior Lecturer,

Environmental Services/Organizational Consultant,

Department of Environmental Sciences,

Pwani University – Kilifi, Kenya.

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ACADEMIC TRAINING, PROFESSIONAL PREPARATION AND QUALIFICATIONS

2010, Sept. PhD (Social Ecology) at Bremen University – Germany

2001, M.Sc. (Aquatic Ecology - Fresh and Marine Waters) Center for Tropical

Marine Studies - Bremen University - Germany.

1999: Bachelor of Natural Resources Management (Honors) - Egerton

University - Kenya

1998: Counselling - Egerton University/Pathfinder International

OTHER PROFESSIONAL COURSES

1998: Counselling – Egerton University/Pathfinder International Lead Expert with NEMA (National Environment Management Authority) registration number 2538

PROFESSIONAL APPOINTMENTS/EMPLOYMENT HISTORY

Sept. 2010 - Apr. 2014: Appointment as a Lecturer Pwani University

May 2014 – to 2019: Senior Lecturer – Pwani University

Oct. 2012 - Aug. 2015: School Examinations Coordinator - School of Agricultural and Environmental Sciences

Aug. 2015 – 2019: Chairman of Department of Environmental Sciences – Pwani University

2002 - 2004: Founding Director, Eco Ethics Int. - Kenya

2004 - 2010: CEO, Eco Ethics Int. - Kenya

Table of Summary of Positions held so far

Position	From	То	Organization	Specifying
	(Starting with current)			whether [in acting capacity or Substantive]
Head of Department, Environmental Science – Pwani University	2015	2019	Pwani University	Substantive
School/Faculty Examinations Coordinator	Oct. 2012	Aug. 2015	Pwani University	Substantive
Senior Lecturer	May 2014	Up todat e	Pwani University	Substantive
Lecturer	Sep 2010	Apr 2014	Pwani University	Substantive
CEO	2004	2010	Eco Ethics International – Kenya Chapter	Substantive
Founding Executive Director	2002	2004	Eco Ethics International – Kenya Chapter	Substantive
Part Time Lecturer	2002	2004	Mombasa Polytechnic currently Technical University of Mombasa	Assisting
Laboratory Intern	Oct 1999	Jun 2000	Center for Tropical Aquatic Ecology - Bremen, Germany	Assisting
Research Assistant/Intern	Jan 1999	May 1999	National Museums of Kenya – Ichthyology Department	Assisting
Research Assistant/Intern	June 1999	Aug 1999	National Museums of Kenya – Ornithology Department	Assisting
Peer Counsellor	1996	1998	Egerton University Health Center project	Substantive
Student Intern/Attachme nt	1998	1998	Nairobi National Park - Kenya Wildlife Service	Assisting
Part Time High School Teacher	1995	1998	Several Schools – usually during long University vacations	Assisting

Messenger/Clerk	May	Dec	GAP Electricals - Nairobi	Assisting
	1993	1993		

TEACHING AND MENTORING EXPERIENCE

• Nine active teaching years at the University - since 2010

Courses Taught:

- Marine Resources Management
- Principles of Ecology
- Wetland Resources and Management
- Water Resources Management
- Urban Ecological Footprint Analysis
- Research Methods
- Aquatic Ecology

Supervision of post graduate students - completed

- Ndegwa Peter Githui (M.Sc. 2015). Assessment of factors influencing food security in Wenje Division – Tana River County, Kenya. Pwani University – Kilifi.
- Momanyi Ruth Kwamboka (M.Sc. -2015). Analysis of Biogas Technology Adoption among households in Kilifi – Kenya. Pwani University.
- Sheila Mumbi Asweli Wamugu (M.Sc. 2016). Effects of Climate Change and adaptation strategies of smallholder farmers in Kilifi, Embu and Budalangi.
- Josep Wanjala Kilwake (M.Sc. 2016). Assessment of water quality in boreholes and wells in Waa location, Kwale County Kenya.
- Kuso Hussein Kuso (M.Sc. -2016). A case study of management practices for guinea grass (*Panicum maximum*) in Tana Delta sub-county of Kenya.
- Said Abdulahi Omar (M.Sc. 2017). Assessment of the impact of resource use conflicts on community livelihoods within the Tana Delta sub-county Kenya.
- Stephanie M. Jones. 2010. Social Capital for Fisheries Conservation? A case study of community-based conservation institutions in Ozi Location, Coast Province of Kenya. University of Wisconsin-Madison. A Master of Arts thesis completed.
- Delphina Dali Mzozo (M.Sc. 2017): Determining the drivers of degradation on Ngerenyi watershed in Taita Taveta county – Kenya
- Benard Ochieng (M.Sc. 2018). Evaluation of the population status and foraging ecology of Sable antelope (*Hippotragus niger roosevelti* Heller) in Shimba Hills National Reserve, Kenya
- Samuel K. Ngaanga (M.Sc. 2018): Analyzing the ecological footprint of energy for industries in Mombasa Island, Kenya.

On-going Supervision of postgraduate students

- Collins Owuor (PhD. on going): Viability of household driven artificial recharge for groundwater management in coastal coral aquifers of Kenya. A PhD thesis – Pwani University – Kilifi.
- Sakari Benard (M.Sc. on going): An evaluation of the amount and impacts of lead in decorative paints in Kenya.
- Daniel Maina (M. Sc. On-going): Cultural sentiments of indigenous groups in mineral-rich communities towards the extractive industry: Case of Kwale County, Kenya
- Albert Musando (M.Sc. on-going): Assessment of ecosystem services in ecologically restored limestone quarries of Bamburi nature trail in Mombasa county, Kenya
- Nelly Nyanchama (M.Sc. On-going): Examination of the abundance and nesting behavior of golden-rumped elephant shrews in Arabuko Sokoke Forest, Kilifi County.
- Alphine Mbodze (M.Sc On-going): Characterization of salt tolerance in nightshade complexes
- Agnes Ombati (M.Sc. On-going): Ecological risk assessment of sewage pollution in marine ecosystems: A case study og Makupa Creek, Kenya
- Kevin Ogolla (M.Sc. On-going Kenyatta University): Assessment of the community structure and biomass accumulation of the mangrove forests in Mida Creek, Kilifi.
- Lawrence Chiro (M. Sc. On-going): Population dynamics, distribution and conservation of Streptocarpus ionantha (H. Wendl), Christenh, Sub-spp. Rupicola(B. L. Burtt) Christenh, in coastal Kenya
- Brendan Muli (M.Sc. On-going): Growth performance of giant black tiger prawns, Panaeus monodon (Fabricius, 1978) juveniles fed on mudworm (Marphysa spp) based dites.

External Thesis Examination

PhD – University of the Wits – South Africa (2017): An integrated approach towards vulnerability assessment of climate change induced sea level rise along the coastal strip of Kenya.

Review of external proposals

• 5th January, 2017: Appointed as a reviewer of research proposals for Kenyatta University Vice-Chancellor's Research Grants

Collaborative works/jointly convened workshops/trainings

11/05/2014 - 22/05/2014: An International DAAD Alumni Expert Seminar: Water Use Conflicts - Integrated Watershed Management for the Sustainable Utilisation of Natural Resources for Conservation, Agriculture and Tourism

August – September 2013: An international DAAD Alumni Expert Seminar: Participatory Watershed Planning

20th -24th July, 2015: Critical Appraisal of Research Proposals Training Workshop by University of Nairobi and PRIME-K Aim4 and MEPI iRIM at the Silver Springs Hotel in Nairobi.

July 2018: Working under the DAAD Summer Schools – on the theme of "Diversification of Water Sources and Production Systems towards Climate Smart Agriculture in the Sudan at Khartoum and El Obeid, Sudan, co-organized by University of Khartoum, University of Sigen, University of Kordofan and CEWAS – Switzerland". Worked on a two-week period within the areas of Khartoum and Kordofan area to appreciate and understand the diversification of water sources and the challenges of a climate smart agriculture in the Sudan with an extremely diverse group.

March, 2016 – 2010: Biodiversity Collaborative Project: Human needs and nature conservation – reconciling human livelihood needs and nature conservation in East African forest biodiversity hotspots. A joint research project by; South Eastern University of Kenya, Pwani University, Taita Taveta University College, National Museusm of Kenya, Technical University of Munich – Germany and sponsored by DAAD.

April – July, 2014: Youth labour market and skills survey – a project being implemented by Adams Smith International and DFID. A signed MOU with Pwani University and engaged as one of the Principal Researchers.

II/05/2014 - 22/05/2014: An International DAAD Alumni Expert Seminar: Water Use Conflicts - Integrated Watershed Management for the Sustainable Utilisation of Natural Resources for Conservation, Agriculture and Tourism - Athi River Basin/Tsavo West National Park, Kenya, supported by DAAD, GIZ, CICD (Center for International Capacity Development of Siegen University) and Severin Safari Camp of Tsavo West.

August - September 2013: An international DAAD Alumni Expert Seminar: Participatory Watershed Planning for the Tsavo River Sub-Catchment, supported by DAAD, GIZ, CICD (Center for International Capacity Development of Siegen University) and Severin Safari Camp of Tsavo West.

30th -31st May 2013 at Safari Park Hotel in Nairobi: African Cities of the Future: Smart, Sustainable, Public Participation. A DAAD and KDSA (Kenya DAAD Scholars Association) seminar organized as part of DAAD Africa Office celebration of its 40 years of supporting excellence in University Cooperation between Africa and German Universities.

3/01/2013 - 16/01/2013: A joint inter-Universities (Pwani University College, Taita Taveta University College, Technical University of Kaiserslautern - Germany and Freie University of Berlin - Germany) scientific collaboration to study 'Integrated soil erosion and flood risk management in Voi - Kenya.

Role: The lead scientist from Pwani University College - and responsible for ecological aspects and well as supervision and coordination of student works.

25/07/2012 - 27/07/2012: A facilitator of the DAAD (German Academic Exchange Program) and NCST (National Council of Science and Technology) writing training workshop at Mombasa Polytechnic University.

18/05/2012 - 29/05/2012 - an inter-Universities academic exchange program to undertake a joint field study with scientists from three German Universities of Free University of Berlin, Kaiserslautern Technical University and Madgeburg University on flood and disaster management along river Elbe in Germany. The joint exercise was led by Prof. Dr. Robert Juepner (Technical University of Kaiserslautern), Prof. Dr. Achim Schuelte (Free University of Berlin) and Prof. Dr. Volker (University of Magdeburg).

DAAD Summer School on Water and Sanitation for the Urban Poor – Natural Hazards, Climate Change, Governance and Human Rights: Flood Risk Management Options for Informal Settlements in Nairobi Kenya 2011 (www.gawn.de)

RECENT PUBLICATIONS

- Kuso, H., Okeyo, B., and Ong'ayo, H. (2018). Determination of the Status and Factors Influencing Occurrence and Adequacy of Panicum maximum (Guinea grass) in Tena Delta, Kenya. Journal of Natural Sciences Research. ISSN 2224-3186(paper). ISSN 2225-0921 (Online). Vol. 8. No. 18, 2018.
- Okeyo, B and Sheila M. W (2018). Climate change effects and the resulting adaptation strategies of smallholder farmers in three different ecological zones (Kilifi, Embu and Budalangi) in Kenya. Journal of Environmental ad Earth Sciences ISSN 2224-3216 (paper) ISSN 2225-0948 (Online). Vol. 8. No. 7, 2018

- Momanyi, R. K, Ongayo, A. H & Okeyo, B (2016). Social Economic Factors Influencing Biogas Technology Adoption in Kilifi County-Kenya. *Journal of Energy Technologies and Policy*, Vol. 6, No. 6 (2016).
- Okeyo Benards (2015). Fisheries of Kenya's Coast: A socio-ecological system in transition. Scholars Press Germany.
- Ndegwa, P., Okeyo, B., Shauri, H. (2015). Assessment of Factors Influencing Food Security in Wenje Division, Tana River County – Kenya. Food Science and Quality Management, Vol. 44 (2015). ISSN (paper) 2224-6088 ISSN (online) 2225-0557
- Okeyo, B and Hempel, G. (2013). Case studies of changes in the structure of reef lagoon fisheries off Southern Kenya. ECOTROPICA 19:59-72, 2013. Society for Tropical Ecology Germany.
- Okeyo Benards (2013) in Robert Warren Howard (eds). **Biomes and Ecosystems Encyclopedia:** Lake Tanganyika. Golson Media USA. ISBN: 978-1-4298-3813-9
- Okeyo Benards (2013) in Robert Warren Howard (eds). **Biomes and Ecosystems Encyclopedia**: Slums. Golson Media –USA. ISBN: 978-1-4298-3813-9
- Schulte, A., Boelscher, J., Arendt, R., Juepner, R., Gintz, D., Boga, H., Too, K., Okeyo, B. (2013). Soil Erosion and Flood Risk Management field Studies in Voi Kenya. A joint inter-Universities Field Research Work Report.
- Okeyo, B. and Wangila, A. (2012). Lead Poisoning in Owino Uhuru Slums in Mombasa Kenya. http://publishresearch.com/download/128
- Okeyo, B., Nyaga A.M., Opwonya, D., Mwita, E., Muench, C., Njihia, K., Githuku, C., Cassel, M., Juepner, R. (2011) in **DAAD Summer School on**Water and Sanitation for the Urban Poor Natural Hazards, Climate
 Change, Governance and Human Rights: Flood Risk Management Options for Informal Settlements in Nairobi Kenya (www.gawn.de)
- Okeyo B. (2010). Artisanal Fisheries of Kenya's South Coast: A transdisciplinary case study of a socio-ecological system in transition. A PhD. thesis University of Bremen Germany.

In press

Ochieng, B., Okeyo, B and Tamooh, D. (2019). Evaluation of the Population Status and Foraging Ecology of Sable Antelope (Hippotragus niger roosevelti – Heller, 1910) in Shimba Hills National Reserve, Kenya" submitted to the African Journal of Ecology

BOOK CHAPTER

Okeyo Benards and Dishon Murage (2019) in Matthias Wolff and Hugh Govan (eds).

Challenges in Tropical Coastal Zone Management: A Global Review Based on Case Studies
from Tropical Countries: Locally Managed Marine Areas: A Double Helix of

Challenges and Opportunities - the Case of Kuruwitu LMMA along the Kenyan coast. Elsevier - Germany.

Posters most recent

- Okeyo, B. (2018). Assessment of borehole and well water quality in Waa, South Coast of Kenya presented at the DAAD Alumni Seminar in the Sudan on 'Diversification of Water Sources and Production Systems Towards Climate Smart Agriculture in the Sudan at Khartoum and El Obeid, Sudan, co-organized by University of Khartoum, University of Sigen, University of Kordofan and CEWAS Switzerland
- Okeyo, B. 2005. Methodologies for Coastal Interdisciplinary Research: Accessing the biological, socio-cultural and managerial dimensions of coastal resources along the Kenyan south coast paper presented at the 4th WIOMSA Scientific Symposium from 29th –3rd September 2005 in Grand Baie-Mauritius

Most viewed newspaper commentaries/editorials

- Okeyo, B. 20/08/2015. Why they call us 'Poverty Stricken Luos'. The Standard Newspapers - a Commentary.
- 2. Okeyo, B. 27/03/2011. Mombasa: A Failure in Urban City Management. The nation newspapers a Sunday Commentary.
- 3. Okeyo, B. 28/07/2006. With cash taps running dry, the UN is facing great odds. The Standard Newspapers Nairobi Kenya.
- 4. Okeyo, B. 08/01/06. Temptations of raw power need to be checked by all. The East African Standard Nairobi Kenya (A commentary).

Most recent conferences, seminars and workshops attended/convened

- 28th February 1st March, 2019: Moi University/Moi Teaching and Referral Research Misconduct Workshop 2019. Developing an Institutional Framework for Preventing and Managing Research Misconduct.
- 19th -23rd November, 2018: Umma University, South Eastern Kenya University (SEKU), Lukenya University and Machakos University International Conference on Science, Technology and Innovation for Sustainable Development in Dryland Environments at both SEKU and Umma Universities.
- 15th 26th July, 2018: DAAD Alumni Seminar in the Sudan on 'Diversification of Water Sources and Production Systems Towards Climate Smart Agriculture in the Sudan at Khartoum and El Obeid, Sudan, co-organized by University of Khartoum, University of Sigen, University of Kordofan and CEWAS – Switzerland.

- 25th -28th April 2018: Convener of the African Professionals Initiative in Water, Energy, Environment and Climate Change (APIWEC) regional conference (with representatives from 10 different African Countries) on the theme 'Ground Water Resources Management amidst Climate Change onslaught' at Pwani University Kilifi, Kenya.
- 18th -23rd September, 2016: 1st ZMT Alumni Workshop in East Africa & Final Symposium of the Leibniz Graduate School on Sustainable Use of Tropical Aquatic Systems (SUTAS) and the new IMIS Building Zanzibar, Stone Town Tanzania
- 11th -13th July, 2017: Change Management and Strategic Leadership a training offered by NUFFIC Kenya and Q-POINT Training International in Watamu Kenya.
- 26th and 27th May, 2016: Lead Convener DAAD/KDSA Scientific conference on: Access, Equity and Quality to University Education Critical Assessment of Current Strategies in Kenya held at the Mnarani Club Kilifi.
- 1st -3rd December 2016: First Coastal East Africa Marine Fair at Ngala Memorial, Watamu. A speaker on Marine Conservation, Resource Management and Research.
- 26th February, 2016: Groundwater Risk Management for Grwoth and Development (Gro for Good). By Gro for Good at Leopard Beach Hotel, Diani.
- 8th February, 2016: Workshop on ecosystem services valuation for the Tana River Delta and Kilifi regions of Kenya. Organzed by UNEP and FAO at Watamu Beach Hotel – Kenya.
- 20th 24th July 2015. Critical Appraisal of Research Proposals training workshop held at Silver Springs Hotel. Coordinated by University of Nairobi, College of Health Sciences with support from the National Commission for Science, Technology and Innovation (NACOSTI), Kenyatta National Hospital (KNH), and funded by National Institute of Health (NIH) of USA.
- 19th 20th March, 2015. Workshop on development of ICZM Awareness Strategy at CDA Conference Facility Kilifi.
- 17th 20th Septemeber, 2014. IPEN/REEI Global Toxics Free Future Skill share conference in Kunming China.
- November, 2014. Civil Society Week Kwale Kenya. Mining and mineral extracts in coast province: an environmental perspective
- Sustainable, Public Participation. A DAAD and KDSA (Kenya DAAD Scholars Associa
- 28th to 30th May, 2014. Higher Education Co-operation between Eastern Africa and Germany: Encouraging Leadership, Opening Access and Extending Partnership. A conference to celebrate the 40th Anniversary of the DAAD Regional Office for Africa in Nairobi, Kenya. Safari Park Hotel, Kenya.

- 6-8th March 2014. The Power of Excellence in Science Enhancing Academic Capacities in Africa. A Humboldt-Kolloquim held at Safari Park Hotel Nairobi.
- 30th -31st May 2013 at Safari Park Hotel in Nairobi: African Cities of the Future: Smart, tion) seminar organized as part of DAAD Africa Office celebration of its 40 years of supporting excellence in University Cooperation between Africa and German Universities. Facilitated by DAAD, Ford Foundation and IFP, KDSA.
- 18th March, 2013. Stakeholder workshop on strengthening linkages between science and management to promote sustainable coastal zone development and conservation. Jointly organized by NEMA and WWF-Kenya.
- 25th 27th July, 2012. Research Proposal writing workshop at Technical University of Mombasa and supported by DAAD, Kenya National Council of Science & Technology and KDSA

Public discussions, panelist and guest/keynote Speaker

- On the 29th October 2016 at the culmination of the National Lead Poisoning and Prevention Week of Action, hosted at Mombasa Technical Training Institute in collaboration with the University of Nairobi, Kenya Industrial Research and Development Institute and Eco Ethics – Kenya at the Mombasa Technical Training Institute.
- 23rd February, 2012. A panelist Public panel policy discussion on oil and gas development in Kenya at Mombasa Polytechnic University College and organized by CANCO (Community Action for Nature Conservation).
- 23rd August, 2016: Climate change: the scenario for Mombasa town. A guest speaker at the Friend of Fort Jesus in Mombasa.

List of community based projects/programs initiated/implemented

Year	Project Title
2001	Investigation of traditions, taboos and cultural agreements among fishers along the
	Kenyan coast
2002	Instituting dialogue, cooperation and compromise among stakeholders and
	instituting infrastructural development within the landing sites along the Kenyan
	coast (a 3 year project)
2004	Improving the sanitary conditions within the fish landing sites (a 1 year project)
2004	Improved traditional fish processing methods by smoking and solar drying a joint
	project with Kenya Marine and Fisheries Research Institute
2004	Provision of appropriate fishing gears to Mvuleni fishers self-help group (a 1 year
	project registered as 38-6-K-2004/05-02)

community support initiative along the Kenyan south coast 2008/9 Integrated indigenous and modern fish processing and marketing in Tana Delta District - Kenya 2009 Phase II of integrated sustainable artisanal marine fisheries management program (ISMP) and community support initiative along the Kenya south coast 2010 Continuation of phase II of integrated sustainable artisanal marine fisheries management program (ISMP) and community support initiative along the Kenya south coast 2011/12 Elewa Katiba Mashinani in Kilifi County - a project meant to assist instill governance understanding and devolution 2012 Maji ni Uzima Project - Targeting simple water harvesting technologies by Schools 2013 Reducing Lead Poisoning within Urban informal settlements in Mombasa town 2013/14 Munje Fisheries and Community Infrastructural Project - Inclined to improving		
operation of a revolving fund (a 1 year project) Diani capacity building and networking 2006 Fish marketing research and pilot study Provision of appropriate fishing gears among local artisanal fishermen to promote self-help while addressing resource-use management for sustainable development 2006 Fishing infrastructural development at selected landing sites 2006 Mariculture as a sustainable livelihood enhancement and diversification initiative for artisanal fishers along the Kenyan coast 2006 Small and medium enterprises development for artisanal fisher communities 2006 Continuation of improved fish processing by smoking and solar drying for food security and environmental conservation a joint project with Kenya Marine and Fisheries Research Institute (KMFRI). 2007 Alternative livelihood programmes targeting groups within Msabweni District 2007 Capacity Building and development of groups 2007 Environmental education for sustainable development in schools and surrounding communities: an amalgamation of Eco Clubs and Eco Schools 2007 Environmental education 2007 Munje community income generating and livelihood improvement project 2007 Gazi Community income generating and livelihood improvement project 2007 Gazi marine fisheries development and livelihood improvement project 2007 Gazi marine fisheries development and livelihood improvement project 2007 Gozi marine fisheries development and livelihood improvement project 2007 Gozi marine fisheries development and livelihood improvement project 2007 Integrated community-based marine fisheries management program (ISMP) and community support initiative along the Kenyan south coast 2018 Integrated indigenous and modern fish processing and marketing in Tana Delta District - Kenya 2019 Phase II of integrated sustainable artisanal marine fisheries management program (ISMP) and community support initiative along the Kenya south coast 2010 Continuation of phase II of integrated sustainable artisanal marine fisheries management program (ISMP) and commun	2005/6	Working with fishers along the Kenyan coast: an integrative project involving
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	2013/14	
		fish handling, storage and marketing

	ENVIRONMENTAL MONITORING WORKS
2018-19	General Environmental Monitoring of roads being built by the county government
	of Migori
2016-17	General coordination and supervision of construction of fish handling facility at
	Munje complete with solar powered energy systems and enhancement of
	environmental sustainability through use of renewable energy and community
	involvement - a Japanese Embassy in Kenya sponsored project.
2016-18	Environmental Monitoring of multitude infrastructural projects within the Kenya
	coast - the down side of development - a project by a consortium of concerned
	citizens

Awards

- First runners up award best environmental conservator coast region of Kenya by National Environmental Management Authority – July 2017
- Bremen University's Chancellors' Stipendium Award from to read for a Master's
 of Science study in Aquatic and Marine Ecology at the University of BremenGermany.
- German Government, DAAD full Academic Scholarship to read for a PhD in Bremen University - Germany

Membership/Affiliations

- Executive Board Member of the Kenya DAAD Scholars Association since May 2013 - May 2017
- DAAD alumnus, since 2011
- Member Ecological Society of East Africa
- Fellow of the Eco Ethics International Union Germany
- Technical member of the Beaches Committee of the Kenya Bureau of Standards from 2013 –2017
- Member of the NEMA instituted Task Force on ICZM Awareness component
- Technical member of the National Inter-Coastal Zone Management (IZCM)
- Member of Western Indian Ocean Marine Science Association (WIOMSA)
- Member of the Nairobi Convention of UNEP
- Member of IPEN International POPs Elimination Network

Personal Interests

Avid reader-Scientific developments, outreach missions like public education and related missions, writing, nature exploration, game and bird watching.

Referees

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2. Prof. J. Ntiba,

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