CURRICULUM VITAE - MARTYN MURRAY

Family name: MURRAY
 First names: Martyn Greer
 Date of birth: 19 July 1949
 Nationality: British
 Residence: UK



6. Education:

Institution	Degree(s) or Diploma(s) obtained:
University of Zimbabwe (1974-1980)	PhD Zoology (research programme in Zambezi Valley, Zimbabwe)
University of Edinburgh (1969-1973)	BSc Zoology (honours study in Firth Estuary, Scotland)

7. Language skills: Indicate competence on a scale of 1 to 5 (1 – native language; 5 - basic)

Language	Reading	Speaking	Writing
English		Mother Tongue	
French	3	4	4
Swahili	-	5	-

- 8. **Membership of professional bodies:** British Ecological Society (BES); BES Scotland Policy Group; British Association of Nature Conservationists; Ecological Society of America; Society for Conservation Biology; IUCN Sustainable Use and Livelihoods Specialist Group; IUCN European Sustainable Use Specialist Group; IUCN Antelope Specialist Group; Migratory Wildlife Network; Darwin College, Cambridge, UK.
- 9. Other skills: Martyn is a researcher, theorist, consultant and writer on all aspects of the natural world and its protection. He is an active contributor to IUCN SULi Specialist Group on topics covering poaching and trafficking of ivory and rhino horn, legal and illegal trade, sustainable use, law enforcement and community conservation. He publishes a blog on conservation and wildlife topics at: https://martynmurray.wordpress.com/. Information on his popular and science books is at: www.martynmurray.com. He teaches graduate and undergraduates in natural resource management and wildlife conservation. He is an author, editor and ePublisher (MOBI and EPUB). He also provides statistical analysis, ecosystem modelling and database development services. Martyn is an experienced sailor.
- **10. Present position:** (a) Director, MGM Environmental Solutions Itd; (b) Director, Wild Connections Itd., trading as Wild Connect. Further details: *https://www.linkedin.com/in/martynmurray/*.
- 11. Years within the firm: (a) 30 years; (c) new start-up company
- 12. Key qualifications in Conservation and Science:

A. Consultancy – Independent consultant working on behalf of European Union, World Bank, GEF, UNDP, UNEP, UNEP-WCMC, IUCN, WCS, FAO and Bilateral agencies including Belgium, German, Netherland and UK governments.

- Martyn Murray has 40 years of experience in biodiversity, protected areas, natural resources management, conservation policy, wildlife trade, law enforcement, forestry, rangeland management and climate change on over 150 technical and development projects in 41 countries (Europe, Asia, Africa and Caribbean).
- In 2017 Martyn moved to Lismore with the primary mission of strengthening connections with the natural world. He co-founded Wild Connections Ltd which is submitting an opening film concept for the UN Climate Change Conference (COP 26) and developing a mobile App for enhancing nature connections in partnership with UNESCO Biosphere Reserves and Gloucestershire Wildlife Trust.
 - Formulated strategic approach to protected area conservation in the EU initiative (Larger than Elephants) which identifies 80 Key Landscapes for Conservation (KLCs) across Africa. KLCs incorporate Transfrontier Conservation Areas, PeaceParks, World Heritage Sites and surrounding rural communities. Contributed to Larger than Tigers (the EU's Asian equivalent).
- Experience in leading multidisciplinary teams in establishing, developing, managing and evaluating protected areas in forest, grassland and montane habitats (Botswana, Ethiopia, Ghana, Kazakhstan, Kenya, Kyrgyzstan, Lesotho, Mongolia, South Africa, Tanzania, Turkey and Zimbabwe) including TFCAs (KAZA, Maloti-Drakensberg, and Pamir-Alai). Formulation of EU-supported National Elephant Management Plan in Kenya.
- Experience in rangeland/semiarid/desertification and wetlands projects and project proposals (Afghanistan, Jordan, Kenya, Kyrgyzstan, Lesotho, Mongolia, Pakistan, Tajikistan). UNEP post-conflict environment assessment of Afghanistan; EU evaluation of environmental disaster management in Refugee Affected Areas of Tanzania with focus on poaching and deforestation.
- Principal Investigator in the study and management of migratory ungulates with (a) seven year study of migratory wildebeest, semi-migratory topi and residential grazing antelope in Serengeti National Park and the Maasai Mara

- as Nuffield Research Fellow at the University of Cambridge, (b) supervisor and co-author of a long-terms study of migratory Mongolian gazelle with Kirk Olson, and (c) supervisor of a long-term study of elephant movements in central African rainforest with Steve Blake.
- Programme experience in ecosystem services (PES), NATURA 2000, CITES, FLEGT, climate change studies (REDD+, CDM), natural resource management, forest governance, rural community development, public and private partnership, creative economic activities and entrepreneurship (East Africa, Macedonia, Turkey and Central Asia).
- Experience in environmental mainstreaming, planning adaptations and mitigations against climate change (Afghanistan, Albania, Central Asia, Kosovo, Macedonia, Moldova, Tanzania, Turkey, Uganda and Zimbabwe).
- Experience in biodiversity surveys, monitoring, Biodiversity and PA Management Information Systems (including BIOPAMA) and public awareness programmes (Armenia, Croatia, Kazakhstan, Kenya, Mongolia, Tajikistan, Tanzania, Turkey, UK, Zimbabwe); and in coordinating ecosystem modelling workshops (Mongolia, Tanzania, Sumatra, UK).
- Experience in wildlife trade, trafficking, law enforcement and all aspects of species conservation, including: feasibility study for EU regional intervention in law enforcement for wildlife crime and transboundary conservation in Sub-Saharan Africa; preparation of EU strategy for wildlife conservation in Sub-Saharan Africa focusing on wildlife trafficking, law enforcement and transboundary conservation;
- Consultant in biodiversity on behalf of the European Commission, World Bank/GEF, FAO, UNDP, UNEP, various international and national NGOs (GWS, IUCN-Belgium, IUCN-International, IUCN-UK, WCMC, WCS) and the Dutch, Belgium and UK governments.
- In 1991 he established MGM Environmental Solutions Ltd, a company specialising in natural resources management, climate change and biodiversity conservation. In 2019 he cofounded Wild Connections Ltd, a company specialising in helping people and nature to coexist and harmonize.

B. Science – Universities of Edinburgh (Honorary Fellow), Cambridge (Darwin College and Nuffield Research Fellow) and Zimbabwe (Yvonne Parfitt Wildlife Fellow).

- Martyn has research interests in natural resources management, animal migration, environmental policy and competition theory. He recently developed a framework for natural resource management based on ecological competition theory (see list of publications).
- Martyn taught graduate and undergraduate classes in natural resources, conservation biology and herbivore ecology and management at the University of Edinburgh from 1993-2015.
- Martyn has on-going research projects on migration of African and Asian antelope. He is currently working collaboratively to develop a model of antelope migration based on multiple constraints such as dry season water and food limitation and wet season mineral limitation.
- Martyn has coordinated and participated in the development of ecosystem-management models that predict the impacts of deforestation, climate change, poaching, law enforcement, pollution, livestock grazing, ecotourism and other drivers of ecosystem change in Mongolia (Taiga-Steppe ecotone), Tanzania (Serengeti ecosystem), Sumatra (rainforest), and Scotland (Firth estuary). These tasks required close management of teams of 50 or more scientists and conservationists.
- From 1980 to 1991, Martyn was Nuffield Research Fellow in Mammalian Ecology at the Physiological Laboratory, University of Cambridge. During this period he was Principal Investigator in charge of an 8-year field programme into migration, species diversity and community ecology of herbivores in Serengeti National Park.
- From 1974 to 1980, Martyn undertook his PhD study on the social organisation of impala in the Zambezi Valley.

C. Author and Public Speaker

- Martyn is writing a narrative non-fiction book, *A Brief History of Nature*, which analyses the human-nature relationship from the Pleistocene to the present day. Lessons from the past are applied to the nature crisis today and the formulation of a 'conservation of connection'. Routledge has expressed interest in publishing the book which develops themes from a previous book *The Storm Leopard* (2010). Martyn has written an abbreviated version of Charles Darwin's masterpiece, *Origin of Species Bite Sized*, to encourage students and those interested in evolution to become more familiar with Darwin's writing. *A Wild Call* (2017) is the story of a voyage by pre-war ketch from Cork Harbour to St Kilda in Scotland and a quest for a way of living that brings greater personal freedom. Information on Martyn's books can be found at: https://martyn-murray.com/.
- Martyn brings independent, eye-witness, rigorous and holistic knowledge of the human-nature relationship to his key speaking topics. As a zoologist and conservationist working in every corner of the globe he has hands-on experience of pristine ecosystems, human impacts, natural resource degradation, frontline communities and institutions, and successful and unsuccessful policies all of which give authority, immediacy and depth to his talks which include his books and the following:
 - Overcoming extinction with 70,000 years of hindsight;

- > Wildlife migrations: Caring for the wonders of the Earth.
- Martyn is an author and editor of over 60 scientific articles that have been published in Science, Nature, Ecology, Trends in Ecology and Evolution, Biological Conservation and other leading science journals. He has written many technical articles on biodiversity and protected areas management for the European Commission, FAO, IUCN-UK, IUCN-Belgium, UNEP-WCMC, international science journals and UK publishers. In the 1990s, he was the wildlife consultant for Victoria House Publishing Ltd advising over several children's nature books.
- Martyn publishes a blog on conservation and wildlife topics at: https://martynmurray.wordpress.com/.

Specific experience in the region and sector:

Country	Date from - Date to
Africa	
Ethiopia	1998/99; 2011, 2012, 2013
Kenya	1998; 2002; 2003; 2006; 2015
Tanzania	1985-90; 1997; 2004; 2008; 2011
Uganda	2005; 2008
Southern African Countries (Angola,	1974-78; 1996/97; 1997/99; 2004; 2005; 2013-2015,
Botswana, Lesotho, Malawi, Mozambique,	2015; 2017; 2018
Namibia, South Africa, Swaziland, Zambia	
and Zimbabwe)	1000 1000 0000 0001/00 0000/10
West Africa: Ghana, Nigeria, Sierra Leone	1993; 1996; 2000; 2001/02; 2009/10
Central African Countries	1991-93, 1994
Caribbean	2017
Barbados	2015
British Virgin Islands	2021
Central, Eastern & Southern Asia	
Kyrgystan, Tajikistan,	2006-2008
Kazakhstan	2004
India	2014
Pakistan	2002/03; 2004/05
Afghanistan,	2004/05
Mongolia	1999; 2002/03; 2004; 2005; 2006; 2008/08; 2010
Southeast Asia	
Malaysia (including Sabah and Sarawak)	1980-82
Indonesia	1980-82; 1999
Western Asia	
Armenia	2006
Jordan	1996
Europe	
Croatia, Macedonia, Kosovo	2006/07; 2011
Czech Republic, Moldova	2004; 2011
Turkey	2009/10; 2014/15
Albania, Italy	2001; 2003/04
United Kingdom	1991-2019

13. Professional experience (selection)

Date from - Date to	Location	Company & Reference Person	Position	Description
09-2020 – 05-2022	UK	Ecorys jonathan.france@ecorys.co m	Team Leader	Evaluation of Darwin Initiative, Darwin Plus and IWT Challenge Fund: Leading a multidisciplinary team in evaluating the 28 year Darwin Initiative for the Survival of Species (UK Government's main contribution to the Convention on Biological Diversity) which has funded over 1200 conservation projects in 159 countries, also Darwin Plus which provides funding for the 14 UK Overseas Territories on environment and climate, and also the Illegal Wildlife Trade Challenge Fund which has funded IWT projects in 59 countries. Work includes developing a Theory of Change for each Funding Scheme alongside process and impact evaluations, and preparing a Country Case Study of Darwin Plus work in the British Virgin Islands.
2019– ongoing	UK	Wild Connections Ltd paul@naturecentre.scot	Director	Co-founded <i>Wild Connections Ltd</i> with Paul Harrison to develop products for nature connection including a Mobile App with Lama Six for strengthening individual connections with nature and a conference film for UNCCC (COP 26) and CBD (COP15) with Todd Jones and Mustang Films.
2018 – ongoing	UK	Lismore Nature Centre martyn@naturecentre.scot	Author	Writing and Editing A Brief History of Nature, a mainstream exploration of the sixth extinction through the lens of 70,000 years of human-nature relations. This book takes lessons from the animal extinctions of the Pleistocene and applies them to the impending sixth extinction to argue for new policies that connect people with the full value of nature.
11-2019	UK	AGRECO muriel.vives@agreco.be	Biodiversity expert	Preparation of technical proposal for implementing UNESCO Mid-term Evaluation of the Man and the Biosphere (MAB) Programme Strategy (2015-2025) and its Lima Action Plan (2016-2025). Developed evaluation framework based on Lima Action Plan of 29 outcomes.
02-2018 – 03-2018	Zimbabwe	AGRECO muriel.vives@agreco.be	Natural Resources expert	Preparation of technical proposal for implementing EU -funded project: Technical Assistance Support to Natural Resource Management (TANRM). This project will pioneer a new model of Project CAMPFIRE that unlocks the incentives of the new wildlife economy that is being fully implemented in neighbouring Namibia.
12-2017 – 01-2018	Namibia	Integration: C. Beckert chbeckert@integration.org	National Park expert	Preparation of technical proposal for implementing: Integrated National Park Management II Project ('NamParks V'). This project will integrate the protected areas and neighbouring communities from the north to the south of the country within the new Namib-Skeleton Coast National Park stretching from the north to the south of the country.
01-2017	Namibia, RSA	DG Ecol Con: D. Gibson debg717@gmail.com; isla@wikiinafrica.org	Team Leader	Wikiwilds – A New Classification System for Conservation. Developing collaboration and strategy for Wikiwilds in m eetings with conservation experts and senior PA officials in Namibia and Western Cape.
2003 – 2017	Global	LTSI (DEFRA) E. Young darwin-projects@ltsi.co.uk	Conservation biologist	Review and evaluation of 100+ projects funded by the Darwin Initiative over the past 10 years (UK Government's main contribution to global biodiversity conservation under CBD), such as conservation of Kenyan Black Rhino, Caribbean Amphibians, Otters of Chile, felids of China, training programmes in Argentina, and Ecosystem Services Provided by Nomadic Pastoralists of Mongolia.
07-2015 – 04-2016	Horn of Africa, East & Southern Africa	AGRECO muriel.vives@agreco.be	Team Leader	 Feasibility study of EU supported interventions in Wildlife in the Horn of Africa, Eastern and Southern region. Developed wildlife interventions under two key priority areas: transboundary conservation area management and law enforcement in wildlife crime; Recommendations on TFCA management based on participation in KAZA TFCA Management Workshop, KAZA Carnivore Workshop and research and management meetings in KAZA. Designed intervention modalities that include UN Agency administration and TFCA Challenge Fund.

03-2015 – 09-2015	Africa, Caribbean & Pacific	AGRECO muriel.vives@agreco.be	Team Leader	Midterm Review of BIOPAMA, the Biodiversity and Protected Areas Management Programme of the European Commission and ACP States which addresses threats to biodiversity in Sub-Saharan Africa, Caribbean and Pacific countries through science and information services and capacity-building.
10-2013 – 04-2015	Africa	AGRER muriel.vives@agreco.be	Biodiversity expert	 Developing a benchmark strategy for wildlife conservation in Sub-Saharan Africa (Larger than Elephants) on behalf of the European Union (DEVCO C2). Key threats: biodiversity loss, forest loss, habitat fragmentation, wildlife trafficking, lack of local support for PAs and climate change; Key conservation issues: transboundary conservation, habitat corridors, transboundary natural resource management, animal disease prevention, Community-based Natural Resource Management - CBNRM in the support zones of KLCs, integrated PA management and public-private partnerships, wildlife trafficking and law and legislation enforcement; Strategy identified 77 Key Landscapes for Conservation (KLCs) for long-term conservation of African Biodiversity and wildlife ecosystems together with community investment and networked law enforcement.
12- 2014 – 02-2015	Turkey	AGRECO muriel.vives@agreco.be	Biodiversity expert	Preparation of technical proposal for implementing EU project: Strengthening the national nature protection system for implementation of Natura 2000 requirements in Turkey
12-2014	India	JICA Project spaul@louisberger.com	Biodiversity expert	Biodiversity Conservation and Greening Project. Advised on ecosystem management and institutional strengthening.
11-2012 to 8-2013	Ethiopia	EWCA Lakew Berhanu lakew.berhanu@gmail.com	National Park Planner	Developed a tourism strategy for positioning Ethiopian protected areas as prime destinations in the world travel market – on behalf of EWCA (Government of Ethiopia) funded by GIZ. Included planning of general and specialist tourism circuits in Southern, Eastern, Western and Northern regions and actions for improving protected area roads, camps and facilities.
10-2011 to 05-2012	Ethiopia	HTSPE, EC - Mr. D. Mitchell Daniel.Mitchell@htspe.com	Protected Area Development Expert	 Promoting Cultural and Natural Heritage in Ethiopia CSP/NIP: Formulation Study for Development of National Parks (incl. PA development and management plan for Awash, Nech-Sar, Simien and Abijata-Shalla National Parks); Development plan for the establishment of a national Wildlife Training Centre; Preparation EU/GoE country-wide plans for conserving Natural Heritage in Ethiopia 5M€ together with Project Action Fiche and TAPs.
03-2010 to 12-2013	UK	University of Edinburgh Prof Illius a.illius@ed.ac.uk	Principal Investigator, Ecology	 New policy framework for managing fisheries, forests and natural resources which integrates with PES, REDD+ and other financial mechanisms. Development of Antelope Migration Model for management of ecosystem threats.
08-2011 to 10-2011	Macedonia, Kosovo, Moldova	UNDP – V. leseanu valeria.ieseanu@undp.org	Conservation Development Expert	 Developing a Policy Framework for Local Action to Address Climate Change in South East Europe. 1.5m. Regional review of national legal frameworks, key institutions, key programmes, and financial instruments including PES, REDD+ and CDM in Macedonia, Kosovo and Moldova. Regional review of environmental strategies, policy, land planning, land use, central and regional forest governance, protected areas. Comparative analysis of environmental constraints and opportunities in land-use planning for climate change, ecosystems management and biodiversity. Development of economic tools for environmental protection.
07-2011 to 08-2011	Tanzania	UNDP – E. Bwatwa evelyne.bwatwa@undp.org	Team Leader	Evaluation of Joint Programme-11 on environmental mainstreaming with a focus on climate change, land degradation/desertification and natural resources management with CDM, PES & REDD+ 2m.

01-2011 to 03-2011	Croatia	AGRECO -Mrs M. Vives muriel.vives@agreco.be	Biodiversity Planner	Preparation of technical proposal to develop management plans and monitoring programmes for six NATURA 2000 conservation sites (forests and wetlands). Full specifications given for: • Management plans for NATURA sites; • Monitoring programme for Habitats and Birds Directives • Information, Interpretation and Awareness-Raising programme.
11- 2010	Mongolia	MGM – Dr. M. Murray m.murray@ed.ac.uk	Natural Resources Planner	Preparation of technical proposal for UNDP national environmental strategy to address the climatic and socio-economic drivers of rangeland, forest and fisheries degradation in Mongolia.
10-2010	Sierra Leone	AGRECO -Mrs M. Vives muriel.vives@agreco.be	Biodiversity Planner	Preparation of technical proposal for implementing GEF/World Bank's Biodiversity Conservation Project in tropical forests of Sierra Leone as national contribution to CBD.
12-09 to 02- 2010	Ghana	AGRECO-Mme L. Rulle lilia.rulle@agreco.be	Team Leader	Evaluation of the Protected Area Development Programme (phase II). Recommendations for programme extension were accepted by EU/GoG to undertake: • Conservation of tropical rain forest and West African rare fauna; • Further development of community economic activities and • New development of ecotourism in the Ankasa and Bia Conservation Areas. 1.5 m
10-09 to 04- 10	Turkey	AGRER-Mr. F. Feys frank.feys@agrer.com	Biodiversity Monitoring Expert	Prepared framework for monitoring UNESCO Biosphere Reserve; Established a framework for managing UNESCO Biosphere Reserve in the Yildiz Mountains of northern Turkey. Developed information systems for biodiversity and socio-economic monitoring to support sustainable use and management of forest natural resources and livelihoods. Delivered training in participatory methods for conducting surveys of biodiversity, forest resources & livelihoods. 2 m
Mar –Apr 2009	European Parliament	MGM – Dr. M. Murray m.murray@ed.ac.uk	Project Manager/ Natural Resources Manager	Preparation of project document to Support Activities for the Development of Practical Measures to Facilitate the Implementation of the Biofuels Sustainability Scheme. 1m
Oct 08 – Feb 09	Mongolia	UNDP-Mr. O. Heuvel onno.heuvel@undp.org	Team Leader	 Midterm evaluation of UNDP/GEF Altai Sayan Biodiversity Project Evaluation of rangeland, lake & forest resources, community development and transboundary conservation; Problem analysis of overgrazing, overuse of timber, unsustainable lake fishing and illegal hunting in the Altai and Sayan Mountains; Formulation of a fully revised biodiversity development programme to (a) develop sustainable use of natural resources, (b) mainstream biodiversity at regional level, and (c) empower herder communities to develop economic activities 3 m
Aug – Sep 2008	Tanzania	HTSPE, EC - Mr. T. Clarke Timothy.Clarke@ec.europa.eu	Team Leader – Conservation Development Expert	Review of EU Project "Support to Tanzania Game Reserves" Evaluated management of 7 Game Reserves and a programme to conserve black rhino within Selous Game Reserve; prepared revised management plans. Analysed institutional reforms needed in the Tanzanian wildlife sector. 2.5 m
Mar – Jun 2008	Uganda	AGRER-Mr. F. Feys frank.feys@agrer.com	Team Leader	On behalf of Belgian Technical Cooperation and GoU, undertook the formulation for developing an "Environmental Sensitivity Atlas (ESA) for the Albertine Graben" including preparation of the project document for the Environmental Sensitivity Atlas of Albertine Rift lakes in support of GoU's Oil Spill Contingency Plan in one of the world's richest biodiversity hotspots. 3.5 m

Jan 2007 – Dec 2008	Kyrgyzstan, Tajikistan	AGRECO -Mrs M. Vives muriel.vives@agreco.be	Team Leader	Team Leader - implementation of the EU project for protecting biodiversity and natural resources of Pamir-Alai Transboundary Conservation Area – experiencing climate change and deforestation. Led international and national team in implementing fauna & flora surveys, forest surveys and forest damage assessments with remote sensing imagery and habitat modelling. Developed Online Biodiversity Information Monitoring System & database. Prepared first Management Plan for the transboundary conservation area (PATCA). 15 m
Nov 2006 - Mar 2007	Republic of Macedonia	Carl Bro & SOFRECO Valerie.FERNANDEZ@sofre co.com	Biodiversity and Natura 2000 Expert	Prepared strategy for full approximation of EU legislation in Nature & Forestry Sectors on behalf of Government of Macedonia Implemented Habitats and Birds Directives, Reviewed and Strengthened Trade in Endangered Species Regulations, Reviewed and Strengthened Environmental Impact Assessment Regulations, Reviewed and Strengthened Forest Monitoring Regulations. Reviewed proposed NATURA 2000 sites in forest, grassland, wetland and lacustrine habitats with onsite inspections (4 m)
Jun-Sep 2006	Kenya	AGRECO- Mrs M. Vives muriel.vives@agreco.be	Team Leader – Biodiversity and Conservation Development Expert	Final evaluation of the EC's Biodiversity Conservation Programme: 37 community focused biodiversity projects with public and private partnerships and wide range of economic activities and biodiversity entrepreneurship. Forest restoration and protection, wetlands restoration, climate change strategy, ecotourism, natural resource management.
May-Aug 2006	Mongolia	World Bank-Dr. A. Whitten Twhitten@worldbank.org	Expert in Developing Ecosystem Management Models	Team Leader of World Bank/GEF project formulation study. Completed development of a working ecosystem management model of the Lake Hovsgol catchment. Completed development of interactive ecosystem management model on Lake Hovsgol catchments in final modelling workshop with 45 Mongolian and international scientists. Explored effects of climate change and livestock management on permafrost and loss of Taiga forest. Coordinated international and national team of ecologists and modellers.
April-May 2006	Mongolia	Netherlands Gov / World Bank Twhitten@worldbank.org	Team Leader– Environmental Expert	Final review of "The Netherlands-Mongolia Trust Fund for the Environment (TF054414)" incorporating 23 environmental projects funded by the World Bank and GoN which covered forest protection, afforestation, tourism, forestry policy, forest governance, urban pollution, mining and petroleum exploration, and illegal wildlife trade.
March 2006	Armenia	ONF/SOFRECO Anne.PERDRIER@sofreco. com	Team Leader- National Park Development	Prepared biodiversity monitoring programme & training programmes for Sevan and Dilijan Parks, including forest inventory and conservation – on behalf of World Bank/GEF and GoA.
Feb 2006	Central Asia	AGRER- Mrs G. LAPAGE Genevieve.lapage@agrer.co m	Environmental Development Specialist	Preparation of strategy and revised ToR for EU's Regional Development of National Environmental Strategies for Sustainable Development Project, Tajikistan, Kyrgyzstan & Kazakhstan including forest conservation and impacts of mining and petroleum industries.
Oct-Nov 2005	Belgium / Europe	AGRECO-Mrs M. Vives muriel.vives@agreco.be	Environmental Expert	Preparation of Part 1 of the Environmental Integration Handbook for EC Development Co- operation on behalf of EuropeAid Unit E6 to guide EC Development and Cooperation Aid.
June-Sept 2005	Lesotho and South Africa	World Bank-Mr. C. Warner cwarner@worldbank.org	Team Leader– National Park Development Expert	Regional review of the World Bank/GEF Maloti Drakensberg Transfrontier Project which protects 2,520 flowering plants, 600 rock art sites and 25% of South Africa and Lesotho's water supply. A focus of the development assessment was improved montane conservation and ecotourism in the region through institutional strengthening at site, national and regional levels.

May 2005	Mongolia	LTSI (DEFRA) E. Young	Community	Reviewed project developing community conservation of saxaul forests and key species (argali
may 2000	Mongona	darwin-projects@ltsi.co.uk	Conservation expt.	sheep, ibex, snow leopard, black-tailed gazelle) in the Little Gobi.
Mar 2005 – Sep 2006	Mongolia	World Bank-Dr. A. Whitten Twhitten@worldbank.org	Team Leader	Team Leader of World Bank/GEF project formulation study for developing an ecosystem management model of the 6-valley region on the eastern shore of Lake Hövsgöl Led a team of 45 international and national ecologists in developing an ecosystem model
				 over a 1.5 year period. Supervised extensive field surveys throughout the 1.5 years. Successfully developed the interactive dynamic model to assess the impact of climate change, livestock management and grazing on permafrost melt, loss of taiga forest, primary
				productivity and biodiversity based on the Holling method (see also May-Aug 2006).
Feb 2005	Uganda	AGRER-Mr. F. Feys frank.feys@agrer.com	Natural Resources Expert	Preparation of Belgium Technical Cooperation technical proposal for national wetlands monitoring system. Methodology presented for GIS-linked biodiversity database on a web-based platform.
Oct 04 -	Pakistan	AGRIFOR-Mr. F. Fontaine	Conservation	 Evaluation of the Palas Conservation & Development Project in Western Himalayas;
Jan 05		f.fontaine@agrifor.be	Development Specialist	 Advised on management of pine, cedar and oak forests, ecotourism development & community conservation.
Sep 04 -	Zambia	Carl Bro birthe.tesdorph.	Institutional Expert	Evaluation of the Forest Support Programme in support of a new autonomous Forestry
Oct 04		sorensen@grontmij- carlbro.dk	in Conservation	Commission with recommendations on institutional strengthening, forthcoming FLEGT, controlling illegal charcoal producers, finance and private sector management.
Aug 04	Kazakhstan	IUCN Robin Sharp, CB;	Antelope Migration	represented IUCN at Saiga Conservation and Management meeting/ workshop in Almaty
, lag o l	razamotan	robisharp@googlemail.com	Specialist	advised on conservation plans for the critically endangered Saiga antelope
Jun 04 – Aug 04	Mongolia	World Bank-Dr. A. Whitten Twhitten@worldbank.org	Team Leader	Mid-term Review of GEF-funded programme "Dynamics of Biodiversity Loss and Permafrost melt in Lake Hövsgöl National Park, Mongolia". GEF project on climate change, livestock management, loss of taiga forest and biodiversity;
				inputs in ecosystem dynamics, forest conservation, community use of natural resources, and sustainable resource use.
Apr 04 –	Tanzania	Carl Bro birthe.tesdorph.	Team Leader	Evaluation of the Special Programme for Refugee Affected Areas in the Great Lakes Region
Jun 04		sorensen@grontmij- carlbro.dk		bordering Uganda and Rwanda: environmental disaster management, poaching, deforestation & community development.
Feb-Jun	Kenya	AGRER/EC -Mr Frank Feys	Conservation	Mid-term evaluation of the Biodiversity Conservation Programme and 19 community-based
2003		frank.feys@agrer.com	Development Expert	projects. Developed land-use strategy and introduced the concept of Water Tower conservation in Kenya to counter climate change and conserve forests and catchments.
Apr 02-May 03	United Kingdom	IUCN-UK C. Mahon (chair) mahon276@btinternet.com	Biodiversity and Natural Resources Expert	Audit of natural resources in the United Kingdom on behalf of IUCN including native and plantation forests, timber, NTFPs and wetlands resources; preparation of 113 page illustrated report
Nov 02 – Jan 03	Mongolia	Wildlife Cons. Soc. L. Kruger lk2430@columbia.edu	Team Leader– Conservation Development	Evaluation of UNDP project: Biodiversity Conservation and Sustainable Livelihood Options in the Grasslands of Eastern Mongolia on behalf of the Wildlife Conservation Society.
Nov – Dec 02	Kenya	LTSI (DEFRA) E. Young darwin-projects@ltsi.co.uk	Team Leader-	Evaluation of Darwin Initiative Project on community ecotourism on Maasai Ranches and Maasai Mara National Reserve (Serengeti ecosystem) – on site assessment and analyses.
Sep 02 –	Afghanistan	UNEP-Mr. D. Jenzen	Conservation	Ecologist for UNEP's Post-Conflict Environmental Assessment of Afghanistan
Jan 03		david.jensen@unep.ch	Development and	Assessed: status of natural resources in Afghanistan, including coniferous and Pistachio
			Natural Resources	forests, rangelands and wildlife; threats to natural resources including poaching, trade and
			Expert	deforestation; and capacity of government expert institutions.
				Prepared development and environmental disaster management plans.

Oct 01- Jan 02	Ghana	Dutch Embassy; Prof Ntiamoa- Baidu (Tel +233-302-500381)	TL –Conservation Planning	Preparation of a Community Conservation Strategy & Ecotourism Plan for the tropical forests of Afadjato-Agumatsa Community Nature Reserve, Volta Region, Ghana
Mar – Sep 01	Italy	FAO (FORC) Rene.Czudek@fao.org	Author – Specialist in Biodiversity	Prepared FAO publication of 30,000 words entitled: 'Current Issues in Biodiversity Conservation'.
Jan 1997– Oct 2000	United Kingdom	EU LIFE/FEF- s.manson@ forthestuaryforum.co.uk	Team Leadert	 Team Leader – Ecosystem Management for the Nature Conservation Strategy, Forth Estuary (UK) coastal and marine habitats including 4 NATURA 2000 sites (3 SPAs and 1 SAC) in EU LIFE programme; Prepared Nature Conservation Strategy for major users of the Forth Estuary through 3-year programme of participatory meetings with all stakeholders; Organised ecosystem management workshops bringing scientists, conservationists, flood risk managers and estuary users together for the first time; Developed an ecosystem management model to predict impacts of increased use of the ecosystem, including nitrogen and phosphorus enrichment from agricultural and municipal discharges, overfishing, sedimentation and rising sea levels.
Jun – Oct 00	Belgium / Europe	EC/IUCN/DFID Dr Davies GDavies@wwf.org.uk	Author – Specialist in Biodiversity	Prepared EC/IUCN biodiversity briefs (illustrated summaries of CITES, wildlife trade and other key issues in biodiversity for EU professionals); and reported on guiding principles for conservation.
Jan – Mar 00	Ghana	MGM/Dutch Embassy m.murray@ed.ac.uk	Conservation Development Sp.	Institutional strengthening programme for the Wildlife Division of Ghana. • Prepared development plan for Mole National Park.
Aug 97 – Jul 99	Zimbabwe	EC-SADC-UoE Prof. Illius aillius@staffmail.ed.ac.uk	Coordinator and Lecturer, Ecology	Coordinated Edinburgh University's training support for the Masters in Tropical Resource Ecology (MTRE) Course at the University of Zimbabwe Delivered teaching in ecology, conservation and biodiversity; supervised graduate students. Field courses on CAMPFIRE programme.
Jun – Dec 99	Mongolia	UNDP-K. Svadlenak-Gomez ksvadlenak@yahoo.com	Conservation Development Specialist	 UNDP/GEF Eastern Steppes Biodiversity Project Implemented rangeland monitoring and biodiversity surveys; Supervised Mongolian ecologists in preparing multiple conservation projects; Prepared species conservation plans and livelihoods development plan; Supervised and helped initiate a study of migration in Mongolian gazelle.
Jan – Apr 99	Sumatra	CIFOR-Prof. J. Vanclay jvanclay@scu.edu.au	Specialist in Developing Ecosystem Management Model	Ecosystem modelling of ecological & socio-economic influences on rain forest conservation. Developed village-based decision making model of forest use and management with a team of over 50 scientists and conservationists; Coordinated modelling workshop and model development based in Bukittingi, Sumatra
Jun – Dec 98	Kenya	MGM/EC Delegation m.murray@ed.ac.uk	Team Leader	 Evaluation of KWS elephant conservation programme. Prepared national elephant management plan; Full national problem analysis of elephant conservation in Kenya including 48 original tables of information on elephant conservation covering illegal killing and Problem Animal Control; Development plan for protecting intact tropical forests of Mount Kenya.
Apr – Jul 98	Ethiopia	MGM/EC DGVIII Dr. Murray m.murray@ed.ac.uk	Team Leader	Evaluation of National Parks Rehabilitation in Southern Ethiopia. Reviewed and revised park management plans, community revenue-sharing, law enforcement, tourism development, safari hunting and crocodile ranching.
Nov – Dec 97	Tanzania	EDC-Mr. D. Dunnells Fax: 00 353 1 661	Park Development Specialist	Evaluation of Serengeti National Park Visitor Interpretation Centre and Community Conservation Programme (FZS). Review and Revision of Park Management Plan and Zoning Plan.

Nov 96 –	Botswana	MGM Dr. M. Murray	Team Leader	Mid-term review of Wildlife Conservation in Northern Botswana Project.
Mar 97		m.murray@ed.ac.uk		Reviewed Management Plans for Chobe National Park, Moremi Game Reserve, Nxai Pan
				National Park and Makgadikgadi National Park;
				Formulated regional strategy for biodiversity conservation in northern Botswana.
Jun 96 -	Jordan	UNDP Jordan Mr Shasha'a,	Conservation	Evaluation of UNDP/GEF - Conservation of the Dana and Azraq Protected Areas, Jordan.
Aug 96		Fax: 00 9626676582	Developmt. Expert	 Formulated restoration plan for degraded Wadi Dana
				Formulate rehabilitation and water budget for Asraq Oasis.
Mar 96 –	Ghana	MGM/EC DGVIII Dr Murray	Team Leader	Preparation and Formulation of EU Programme to establish new protected areas and a
Jun 96		- m.murray@ed.ac.uk		conservation strategy for the intact, tall rain forest in Bia, Ankasa and Nini Suhien Protected Areas.
Jun - Dec	United	DFID/UNEP-WCMC	Protected Area	GIS gap-analysis of protection and investment in moist forest types and ecofloristic zones in
95	Kingdom	mjbgreen@googlemail.com	Expert	99 countries in Africa, tropical and insular Asia, Central America and South America;
				 Prioritised forest types requiring additional conservation inputs. Prepared publication.
Jul-Aug 94	Central	MGM/EC DGVIII Dr Murray	Team Leader	Evaluation of phase 1 and project formulation for phase 2 - EDF project: "Northern Region
	African Rep.	- m.murray@ed.ac.uk		Development Project, Central Africa Republic"
Mar, Apr 93	Nigeria	MGM/EC DGVIII Dr Murray	Team Leader	Evaluation of prequalification and restricted Invitations of forest conservation development
		- m.murray@ed.ac.uk		programme in Nigeria (Oban Hills) working directly with DGVIII in Brussels.
Apr. May 92	Equatorial	MGM/EC DGVIII Dr Murray	Conservation	Project formulation for EDF funded project: "Conservation et Utilisation Rationnelle des
	Guinea	- m.murray@ed.ac.uk	Development	Ecosystemes Forestiers, Equatorial Guinea" designed to conserve tropical rain forest.
Jun 91–	Belgium &	MGM/EC DGVIII Dr Murray	Team Leader	Evaluation of technical quality of prequalification and restricted invitations of forest
Dec 93	Central	- m.murray@ed.ac.uk		conservation development programmes in Africa (ECOFAC, CUREFAC, Oban Hills) working
	Africa			directly with DGVIII in Brussels.
Aug 85 –	Tanzania	Nuffield Foundation – Mr A.	Principal	Ecological research programme into the Serengeti ecosystem with in-depth field studies on a)
Jun 91		Tomei tel: 020 7631 0566	Investigator,	the comparative ecology of grazing antelope in all major habitats; (b) quantitative herbivory of grazing
			Ecology	ungulates on dominant grassland habitats utilising tame animals and bite size measurements (c) the
				causation and conservation of wildebeest migration in the Serengeti-Mara ecosystem; (d) supervision
4 . 00	84.1	D. C.	D.C. Carl	of PhD programmes on woodland ecology, fire management and community conservation.
Aug 80 –	Malaysia	Science Research Council-	Principal	Ecological studies and surveys over 24 months in primary and secondary rain forest in Malaysia
Sep 82	and	Mr A Lewis tel: 01793	Investigator,	(including Sabah and Sarawak) and Sumatra. Evolutionary and ecological investigations into the
	Indonesia	444000	Biodiversity	wild figs and their figwasp pollinators. Supervised postgraduate studies on primate behaviour and
0 74 11	7'	Dest (Net end Dest (III)	D.C. Carl	ecology and also on impacts of logging on biodiversity. Active member of Malaysian Nature Society.
Sep 74 – Jul	Zimbabwe	Dept of National Parks/Univ of Zimbabwe	Principal	Ecological and behavioural studies of 500 individually marked impala in the Zambezi Valley
78		oi zimbabwe	Investigator	(Sengwa) part of today's KAZA TFCA . PhD dissertation writing and scientific publications. Assisted
				in multiple research and management projects – small and large mammal surveys, vulture ecology
		1	1	and behaviour, woodland ecology and elephant-woodland management.

14. Other relevant information (books and academic papers)

- Murray, M.G. (in prep.) Balancing the Earth with nature exchanges perspective on a new framework for conservation.
- Murray, M.G. (in prep.). A Brief History of Nature mainstream book on the sixth extinction under review with Routledge.
- Murray, M.G. (2017). Wild pathways to inclusive conservation. Biological Conservation 214: 206-212. https://authors.elsevier.com/a/1Vd-T1R~e72oY
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15. Other relevant information (technical reports – small selection only)

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