

Paul Starkey

Nationality: British
Date of birth: 02-09-1949
Present Position: Consultant in Transport Services, Intermediate Means of Transport, Animal Power and Network Development
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Education

M.A. Natural Science Oxford University (1971)
P.G.C.E. (with Distinction) Cambridge University (1972)
M.Sc. (with Distinction) Tropical Agricultural Development Reading University (1977)

Languages

English (Mother Tongue)
French (Fluent for technical discussions and presentations)
Spanish (Fluent for technical discussions and presentations)

General

Transport consultant and Team Leader responsible for several recent innovative studies on integrated transport planning and transport services (buses, minibuses, taxis and intermediate means of transport and related infrastructure). Professional interest focuses on improved and complementary transport services with efficient hub systems involving motorised and non-motorised transport and appropriate and correctly-maintained infrastructure. These may involve sustainable intermediate means of transport (including animal power), participative planning and closer liaison through national and international networking. Twenty-four years of worldwide consultancy have followed twelve years of broadly-based work in developing countries, involving project management and team leadership. Early specialisation in animal power programmes involved developing and directing research, extension and training at a national level, and liaison and institution building at an international level. Work on local means of transport led to an increasing focus on broader transport and rural development issues and the development of effective networks. Professional experience has been published in a range of books and journals (more than 150 publications). Ideas and understanding have also been communicated through websites, invited papers, lectures and photographic exhibitions in many countries. More than 140 countries have been visited. Professional assignments in Asia, Africa, Europe, Latin America and the Pacific have involved networking skills, a holistic, systems perspective and the use of socially-appropriate participatory methods.



Professional Experience

Jun-Sep 2009. Transport services and policy development consultant, NEPAL

Transport services consultant working with local consultants to initiate and implement a 20-month study on rural transport services and policy development. The World Bank is funding the study to examine ways of improving transport services (buses, minibuses, trucks, etc) and access to IMTs (intermediate means of transport, motorcycles, three wheelers, bicycles, etc). There will be pilot schemes to improve motor transport services (changes to routes, fares, timetables, syndicates) and promote access to IMTs. Recommendations for national policies and strategies will be developed. The international consultant will provide inputs throughout the study. RAIDP for World Bank.

Feb 2009. Transport services consultant, TIMOR LESTE

Transport services consultant advising on transport services (buses, minibuses, taxis and trucks). Issues included trans-border services, roles of local government, influence of sea ferry services, location and regulation of transport terminals and the increasing importance of motorcycles and other intermediate means of transport. Cardno Acil for ADB.

Dec 2008 – Jan 2009. Team Leader, Fiji Bus Industry Review, FIJI

Team Leader of review of bus industry including policy, regulations, safety, efficiency, subsidies, rural and urban routes, prices, service quality and competition with minibuses, taxis and multipurpose passenger/freight trucks. Issues included effects of road conditions, regulation of competition and concessionary fares. Orion Consulting Associates for Land Transport Authority.

Oct-Nov 2008. Invited presentations on Rural Transport Services and Animal Power, USA

Presentation on Rural Transport Services at World Bank and two presentations on the use of animal power in the world at an international workshop hosted by the Colonial Williamsburg Foundation.

Sep 2008. ADB Transport Forum. Asia on the Move. Efficient inclusive transport, PHILIPPINES Social development panellist, highlighting transport issues in Papua New Guinea.

July 2008. Invited presentation on rural transport at DFID advisors retreat, UK

Presentation on integrated transport services and implications for a rapidly changing world.

January – June 2008. Team leader, Lesotho Rural Access and Mobility Study, LESOTHO

Team Leader of five month study on integrated transport in Lesotho, including basic access infrastructure (roads, trails, footbridges), transport services (buses, minibuses, taxis, 4x4s, freight) and intermediate means of transport. Had special responsibility for policy issues, the review of road transport services and proposals for promoting intermediate means of transport.

May 2007. Appraisal of transport investment for Weathercoast, SOLOMON ISLANDS

Review of Solomon Islands scoping report for AUSAID investment in infrastructure and means of transport, with recommendations for conventional multipurpose vehicles, intermediate means of transport, alternative river crossings, participatory processes and greater capacity building.

March 2007. Keynote workshop presentation, SOUTH AFRICA

and discussions on national transport plan.

Nov 2006, Feb 2007. Rural travel and transport Project, ETHIOPIA

Transport consultant assisting district-level rural travel and transport plans with special reference to understanding and interpreting rural travel needs, hub-and-spoke patterns (village, district and national) and the integration of minibuses and 4x4 taxis with intermediate means of transport at rural transport hubs.

Oct 2006. World Bank, Keynote presentation, Washington DC, USA

Invited Keynote Presentation on networking for Global Development Learning Network Forum hosted by the World Bank, Washington DC.

Aug 2006. National transport workshop and university presentations, COLOMBIA

Invited keynote presentation for national workshop on transport, and invited lectures at the Universidade de Cauca, Popayan and Universidade Los Llanos.



May-Jun 2006. National appraisal of rural transport, PAPUA NEW GUINEA

Transport consultant appraising rural transport, with emphasis on transport hubs and local transport solutions including intermediate means of transport. Planned and implemented stakeholder workshops in several provinces and a national workshop to share results.

Jun 2006. Review of post-tsunami work, SRI LANKA

RITA monitoring of post-tsunami reconstruction and development work, Beruwala.

Oct 2006. Presentation Transport Services, World Bank, USA

World Bank invited presentations at International Transport Forum, World Bank, Washington DC.

Mar 2006. Presentation Transport Services, SSATP Workshop, ETHIOPIA

Invited presentation on Rural Transport Services and Rapid Assessment Methodology for a workshop arranged by the SubSahara Africa Transport Programme, hosted by the World Bank.

Oct 2005. SubSahara Africa Transport Programme Workshop, MALI

Invited presentation on Rural Transport Services Appraisal Methodology for World Bank SSATP Meeting. Bamako, Mali.

Nov 2005. PIARC international rural transport workshop, CAMBODIA

Invited presentation on Rural Transport Services Appraisal Methodology for World Road Federation (PIARC) Workshop, Cambodia.

Nov 2005. Transport Workshop, SWEDEN

Invited presentation on Rural Transport Services at IFRTD/SIDA transport planning meeting.

Oct 2005, Transport Workshop, RWANDA

IFRTD invited presentations, national and regional transport planning meeting, Rwanda.

May 2005. Review of post-tsunami work, SRI LANKA

RITA monitoring of post-tsunami reconstruction and development work, Beruwala.

April-July 2005. Team Leader, TANZANIA, BURKINA FASO, CAMEROON and ZAMBIA

Team Leader World Bank (ITC) study developing Rapid Appraisal of Rural Transport Systems, with planning workshops in Kenya and Ethiopia.

March 2005. Transport Consultant, NIGERIA

Roughton (DFID) transport consultant, Ekiti Rural Access Programme.

May 2004, Nov 2004, Feb 2005 Transport Consultant, MADAGASCAR

Transport Sector Programme (World Bank) consultant national rural transport programme.

Nov 2004. Invited presentation, SOUTH AFRICA

SANAT resource person giving keynote presentation.

Oct 2004. Invited presentation. BURKINA FASO

CIRAD resource person giving keynote presentation.

Sept 2003 and Oct 2004 Transnet Workshops, SWITZERLAND

IFRTD / SDC resource person at TransNet workshops on 'Transport and Health'.

July 2004. National Transport Forum Workshop, ETHIOPIA

IFRTD / Ethiopia NFG invited presentation, Transport Forum Workshop.

Feb 2004. Transport Services Workshop, Nicaragua

IFRTD Consultant, Rural Transport Services Workshop, Managua, Nicaragua.

Feb, May, Aug 2003. Transport Consultant, MADAGASCAR

Transport Sector Programme (World Bank) consultant national rural transport programme.

Mar 2003. National research programme, CUBA

DFID consultant working with six universities and institutes on a national programme on animal power and transport.



Mar 2003. Facilitator, Transport Services Workshop, GUINEA

IFRTD Consultant, Rural Transport Services Workshop.

Jan 2003. Facilitator, Transport Services Workshop, TANZANIA

IFRTD Consultant, Rural Transport Services Workshop.

May 2002, Oct 2002. Transport Consultant, MADAGASCAR

PST (World Bank) consultant on national plan for rural transport.

July 2002. Sept 2002. Facilitator, Transport Services Workshop, INDIA

IFRTD Consultant, Planning and implementing Rural Transport Services Workshop and network discussions

July 2002. Afghanistan Needs Appraisal, SYRIA

ICARDA consultant at needs appraisal planning meetings.

May 2002. Transport Consultant, CAMBODIA

DFID/World Bank consultant contributing on transport services and intermediate means of transport at international PIARC workshop.

May 2002. Invited keynote presentation, UGANDA

Invited keynote paper, ATNESA workshop: animal power and conservation agriculture.

April 2002. Invited keynote presentation, EL SALVADOR

Invited keynote paper, Encuentro Latinoamericano de Tracción Animal.

Feb, Jun, Aug, Oct 2001. Transport Consultant, MADAGASCAR

Transport Sector Programme (World Bank) consultant national rural transport programme.

Oct 2001. Consultant on network development, DENMARK

Danish Refugee Council consultant assisting training workshop and advising on network development.

Mar 2001. National research programme, CUBA

DFID consultant working with six universities and institutes on a national programme on animal power and transport.

Aug 2000. World Bank Transport Services Consultant, CAMBODIA, LAOS, VIETNAM

World Bank (Carlbro) consultant on improving rural mobility with motorised and non-motorised transport. Field visits and preparation of technical paper.

Aug 2000. Consultant on network development, DENMARK

CARE consultant assisting workshop and advising on network development.

May - Oct, 2000. Transport Consultant, UK

IFRTD-DFID consultant preparing transport documents and facilitating discussions on rural transport.

Nov 1999. International Workshop, BOLIVIA

SDC-CIFEMA consultant assisting a RELATA international workshop.

Sep-Oct 1999 Rural Transport Consultant, MALI and UK

DFID-RTTP (World Bank) consultant rural transport exhibition, website and facilitating workshop.

June 1999. Transport Consultant, KENYA,

RTTP (World Bank) consultant preparing key paper on intermediate means of transport.

May 1999. National transport planning, MADAGASCAR

PTMR-Madagascar (World Bank), consultant national rural transport workshop.

Apr 1999. World Bank, Invited transport presentation, World Bank, USA

World Bank consultant giving invited presentation at Transport Expo99, Washington DC.



Oct 1998. Evaluation, BOLIVIA

SRI consultant, Evaluation of DFID animal traction project, Bolivia.

Jul 1998. National transport planning, GUINEA

PTMR-Guinea (World Bank) consultant at national rural transport planning workshop.

May 1998. Invited presentations, CUBA

Invited presentations, III Congreso Internacional de Tracción Animal and ISCAH , UCLV

Mar 1998. Regional Transport Workshop, SRI LANKA

Invited paper, Regional seminar on intermediate modes of transport.

Jun 1996. National sector review, MAURITANIA

FAO Consultant appraising animal traction situation in Mauritania.

May 1996. Evaluation. NICARAGUA, HONDURAS, EL SALVADOR

SDC consultant evaluating regional project.

Dec 1995. Evaluation, KENYA

DGIS consultant evaluating University of Nairobi, Department of Agricultural Engineering.

May 1995. Appraisal, DOMINICAN REPUBLIC

Winrock International consultant on animal traction and farming systems.

Mar-Oct 1994. National sector review, SOUTH AFRICA

ODA consultant, reviewing national animal power programme requirements.

Aug-Dec 1993. Workshop facilitator, TANZANIA

ODA consultant, facilitating ATNESA workshop: Animal power for weed control.

Jun 1993. Consultancy, CHAD

OXFAM consultant, advising on animal traction policies and approaches in Chad.

Apr 1993. Evaluation, TANZANIA

GTZ consultant, evaluating Tanga Draft Animal Project.

Oct 1992. National sector review, TANZANIA

ODA consultant, Agricultural Sector Review.

Nov 1992. National sector review, NAMIBIA

ODA consultant, reviewing national animal power status and programme requirements.

1983-1995 Freelance consultant, working in Africa, Asia and the Americas

Animal traction consultant employed by CIDA, DGIS, FAO, GTZ, ICRISAT, IDRC, IMAG, ILCA, KIT, ODA, SDC, SUAS, UNDP, USAID and others for missions to **Benin, Botswana, Burkina Faso, Congo, Egypt, Ethiopia, The Gambia, Guinea Bissau, Guinea Conakry, Honduras, India, Indonesia, Kenya, Liberia, Malawi, Mali, Mexico, Mozambique, Nepal, Niger, Nicaragua, Nigeria, Pakistan, Philippines, Senegal, Sierra Leone, Sri Lanka, Thailand, Tanzania, Togo, Zambia and Zimbabwe.**

Jun 1978 to Jun 1985. Project Manager, SIERRA LEONE

Employed by Overseas Development Administration (ODA) London as Farms Director, Njala University College, Sierra Leone and Project Manager, Sierra Leone Work Oxen Project (Ministry of Agriculture), Sierra Leone

Dec 1972 to Jun 1976, Teacher, MALAWI

Teacher of Science and Agriculture, Livingstonia Secondary School, Malawi



Country Experience

Africa	Benin, Botswana, Burkina Faso, Cameroon, Chad, Congo (DRC), Egypt, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa, Tanzania, Togo, Uganda, Zambia, Zimbabwe
Asia and Pacific	Australia, Azerbaijan, Cambodia, Fiji, India, Indonesia, Laos, Nepal, Pakistan, Papua New Guinea, Philippines, Sri Lanka, Thailand, Timor Leste, Vietnam
Europe and Middle East	Bulgaria, Denmark, Finland, France, Germany, Greece, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Switzerland, Syria, United Kingdom
Americas and Caribbean	Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Paraguay, Peru, Turks and Caicos, USA

Membership

Chairman, International Forum for Rural Transport and Development, 2004-2006
 Chairman, Aid Workers Network, 2004-2007
 Visiting Professor, University of Reading, 1996-99
 Honorary Senior Research Fellow, University of Reading, since 1999
 Board Member, World Association for Transport Animal Welfare and Studies
 Chairman, Reading-Nicaragua Town Twinning Association, 1998-2009
 Board Member, Reading Initiative for Tsunami Action (RITA), since 2005
 Technical Adviser, Animal Traction Network for Eastern and Southern Africa, 1985-2002
 Adviser, International Foundation for Science, since 1986

Publications

Books, chapters, monographs, edited proceedings and papers on transport issues
The rapid assessment of rural transport services: a methodology for the rapid acquisition of the key understanding required for informed transport planning. World Bank, USA. 80p. 2007
Rural transport services in Africa: lessons from surveys in Burkina Faso, Cameroon, Tanzania and Zambia. World Bank, Washington DC, USA. 114p. 2007
Local transport solutions in Papua New Guinea. Office of Rural Development, Papua New Guinea. 2006. 53p.
Improving rural mobility: options for developing motorized and nonmotorized transport in rural areas. World Bank, Washington DC, USA. 80p. 2002. (E/F/S)
Local transport solutions for rural development. DFID, London. 48p. 2002. (E/F)
Local transport solutions: people, paradoxes and progress. World Bank, Washington DC, USA. 70p. 2001. (E/F)
 Promoting intermediate means of transport for the rural poor: a case study from Madagascar. In 'Gender equity and poverty reduction through improved mobility and access' Swiss Development Cooperation. 2003
 Complementing infrastructure: enhancing rural mobility through motorised and non-motorised transport. *PIARC Seminar*, 15-16 May 2002, Siem Reap, Cambodia. World Road Federation (PIARC), Paris, France. 2002.
 Animal power for transport in sub-Saharan Africa and Madagascar: implications for the evolving roles of governments and civil society. *Traction animale et stratégies d'acteurs.* CIRAD, Montpellier, France.
 Investing in intermediate means of transport in Madagascar. *PIARC International Seminar on Rural Transport*, 15-16 May 2002, Siem Reap, Cambodia. World Road Federation (PIARC), Paris, France. 2002.



Transport using animal power: some key issues for Asia. pp 69-90 in: *Meeting transport needs with intermediate modes of transport*. Lanka Forum of Rural Transport Development, Colombo, Sri Lanka. 1999.

Transport animals: contemporary issues for veterinarians. pp 146-157 in *Scientific Proceedings of Second Pan Commonwealth Veterinary Conference*, Intervet Publishers, Bangalore, India. 924p. 1998

Animal-powered transport in Africa. *Appropriate Technology* 20, 1: 9-11. 1993.

Books, chapters, monographs, edited proceedings and papers on networks and networking
Networking for development. International Forum for Rural Transport and Development. UK. 104p. 1998. (E,F,S).

Networking for sustainable agriculture. Gatekeeper Series 58, IIED, London, UK. 18p. 1996.

Redes de tracción animal: experiencias en África e implicaciones para América Latina. pp. 85-104 in: *Memorias de Segundo Encuentro Centroamericano de Tracción Animal*. RELATA, Managua, Nicaragua. 1997

Animal traction networks in Africa. pp199-213 in *Linking with farmers*. IT Pubs, London. 1993.

Books, chapters, monographs, edited proceedings and papers on animal power issues

Donkeys, people and development. ATNESA and CTA, Wageningen, The Netherlands. 248p. 2004

The importance of horses, donkeys and mules in modern Cuba. pp 329-336 in *Fourth international colloquium on working equines, Hama Syria*. SPANA Syria and London. 2003

The history of working animals in Africa. Chapter 26 (pp 478-502) in: *The origins and development of African livestock*, University College London Press, London, UK. 2000.

Transport using animal power for rural development: trends, experiences, and implications. pp 147-154 in *Memorias de 3 Encuentro Latinoamericano de Tracción Animal*, CIFEMA, Cochabamba, Bolivia. 1999

Meeting the challenges of animal traction. Intermediate Technology Publications, London. 326p, 1999.

Integrating mechanisation into strategies for sustainable agriculture. CTA, The Netherlands. 24p. 1998 (E,F).

Donkey work. pp. 183-206 in: *The professional handbook of the donkey*. Whittet Books, London. 400p.1997.

Animal power in South Africa: empowering rural communities. Development Bank of Southern Africa. 160p. 1995.

La traction animale au Tchad: politiques et approches. OXFAM, Oxford, UK. 65p. 1993. (F,E).

The introduction of animal traction into Tanga Region, Tanzania. GTZ, Eschborn, Germany. 66p 1993.

Animal traction in Tanzania: experience, trends and priorities. NRI/ODA, London, UK. 65p. 1992.

Animal power in Namibia: present status and programme requirements. ODA, London, UK. 58p. 1992.

Animal traction: an annotated bibliographic database. CIPEA, Addis Ababa, Ethiopia. 203p. 1991

Animal traction in Zambia: status, progress and trends. DGIS/IMAG, Netherlands. 114p. 1991.

Draught cattle: world resources, systems of utilisation and potential for improvement. Chapter 8 (pp: 153-200) in: *Cattle Genetic Resources, World Animal Science Series Volume B7*, Elsevier, Amsterdam. 1991.

Animal traction: constraints and impact on African households. pp. 77-90 in: *Rural households in emerging societies*. Berg, USA. 1991.

Animal traction for agricultural development. CTA, Ede-Wageningen, Netherlands. 480p. 1990. (E/F)

Harnessing and implements for animal traction. Vieweg/GATE, Eschborn, Germany. 244p. 1989. (E,F).

Animal-drawn wheeled toolcarriers: perfected yet rejected. Vieweg/GATE, Eschborn, Germany. 161p. 1988. (E,F,P).

Animal power in farming systems. Vieweg/GTZ, Eschborn, Germany. 351p. 1988. (E/F)

Donkey utilisation in sub-Saharan Africa. pp 289-302 in *Working equines*. Actes Editions, IAVHII, Morocco. 1994.

Improving animal traction technology. ATNESA/CTA, Wageningen, Netherlands. 496p. 1994.