

## CURRICULUM VITAE – DAVID LEEMING (MAY 2011)

I am a British consultant and project manager based in Solomon Islands (Oceania) since 1995. My specialisation is in ICT for Development and ICT for Education, but I am a trained research scientist and all-round technologist. I have 15 years experience of International Development in seven Pacific and SE Asian countries, from community development through to advising governments and at a regional level. I have been a member of committees developing national policies (ICT, distance learning) and am a board member of the Pacific Islands Chapter of the Internet Society ISOC. I have a long working relationship with the regional organisations such as Secretariat for the Pacific Community and Pacific Islands Forum Secretariat, and wide experience in project management including a 3-year EUR 1m+ Distance Learning Centres project for EU and the regional One Laptop Per Child programme. I have consulted for UN organisations such as UNESCO, UNDP and ITU, Commonwealth of Learning and EU. I am an experienced trainer and workshop facilitator. I have specialised in ICT for Education, for instance community media and educational radio, open educational resources and capacity building for collaborative learning and content development, distance learning, and the OLPC programme which is an integrated, whole-of-sector approach to the introduction of ICT4E. I am also involved in broadband networking and e-government development. I own a Solomon Islands registered consulting company offering many modalities for business collaboration. I have wide ICT technical experience from VSAT, Wi-Fi, HF networking to educational technology, mobile applications, FOSS, solar power, etc.

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**Education:** Salford University, UK - 1981-1985  
BSc (Hons) 1st Class, Electronics and Acoustics. 2 University prizes.

**Language skills:** English (native language)  
Solomon Pidjin and PNG TokPisin (fluent speaker)  
Polynesian Rennellese (basic speaker)  
German, French, Norwegian (basic)

**Countries Worked:** Solomon Islands (15 years), PNG (multiple short missions in several provinces)  
Nauru, Samoa, Tuvalu, Kosrae (FSM) (short missions)  
Thailand (Nov 2010), Norway (1 year),  
UK (11 years)

**Consulting for:** EU (EDF), UNDP, UNESCO, ITU, Secretariat of the Pacific Community, Commonwealth of Learning, Regional governments of Pacific Islands

**Website:** <http://www.leeming-consulting.com>

**Publications:** <http://www.wikieducator.org/User:Leeming/publications>

**Membership of professional bodies and other relevant associations:**

Board Member, Pacific Islands Chapter of the Internet Society (elected 2009)

Trustee and co-founder, Village Technology Trust (NGO incorporated in Solomon Islands)

Director and owner, Leeming International Consulting (Solomon Islands)

## Professional Experience

Date from - Date to	Location	Company / Contractor	Position	Responsibilities include:
Starting Dec 2010	Solomon Islands	Secretariat of Pacific Community	Consultant	Detailed project design and documentation for a nation-wide provincial government broadband network and early-stage <b>e-government</b> project. High-level consultation with partner Ministries and agencies with regard to technical design, installation, financial planning and sustainability, training, e-governance applications, M&E, and exit plan.
Nov 2010	Thailand	ITU	Consultant	Design and delivery of a skills workshop on “ <b>Inclusive Applications and e-Services</b> for Communities” under an ITU/COE (Australian Government) capacity development programme. Chaing Rai, Thailand. Technical training on e-applications given to 40 participants/trainees from at least 6 SE Asian counties.
Starting Oct 2010	Solomon Islands	UNESCO	Consultant	A project of UNESCO and Ministry of Education involving <b>indigenous knowledge management</b> linked to vernacular education; assisting teacher to take ownership of an online environmental wiki in local Marovo language, building on a pre-existing school/community network. Role involved project coordination, teacher training, development of lesson planning tools using the WikiEducator, and ICT technical work. <a href="http://wikieducator.org/Patukae_College/OER_Reef_and_Rainforest_wiki_in_Marovo_Language">http://wikieducator.org/Patukae_College/OER_Reef_and_Rainforest_wiki_in_Marovo_Language</a>
Oct 2010	Solomon Islands	Secretariat of the Pacific Community	Project Manager	To install the first VSAT site, at Lata Hospital, Temotu Province, of a <b>provincial government broadband network</b> , and provide ICT capability training for government officers working at the hospital, police post, disaster office and government offices.
June 2010	Kosrae FSM	Department of Education, Kosrae	Trainer and advisor	To provide leading guidance and training with the planning and implementation of a <b>One Laptop Per Child (OLPC)</b> programme for Kosrae. The programme involves 8 primary schools. Duties include participatory project design, training of trainers, and technical ICT.
Started Mar’10 on going	PNG	PNG Sustainable Development Ltd.	Technical Advisor	To develop and implement a <b>One Laptop Per Child (OLPC)</b> programme for PNGSDP as part of their community development programme. The complex project involves 13 schools in Western and Highlands provinces. Duties involve team leader role with project design, management, training of trainers/HRD, procurement, M&E, liaison with stakeholders. <a href="http://wikieducator.org/OLPC_PNGSDP">http://wikieducator.org/OLPC_PNGSDP</a>
Jan 2010	Tuvalu / Solomon Islands	ITU / SPC (Joint funding) and Tuvalu Ministry of Education	Consultant	To assist Tuvalu Ministry of Education with the launching of a <b>One Laptop Per Child (OLPC)</b> Country Project. To prepare resource materials covering issues such as teacher training, infrastructure, curriculum integration, governance, funding and content, and facilitate multi-stakeholder workshops and training of the country team, and the provide support through building an online community. <a href="http://wikieducator.org/OLPC_Tuvalu">http://wikieducator.org/OLPC_Tuvalu</a>
Sep 09 – on going (part time)	Solomon Islands  And PNG (2011)	Commonwealth of Learning (www.col.org)	Consultant and International partner of COL in community media program	Coordination of a health learning programme in Isabel Province, Solomon Islands under COL’s “Healthy Communities”. The <b>community media</b> programme brings together the Ministry of Health’s Health Promotion Division, Isabel Province and rural communities to develop learning programmes using participatory approaches. It builds on an existing network of eight community FM radio stations around the Province, networked by email, mobile and other modes. My responsibilities included extensive partner consultations and coordination, community development, workshop design and facilitation, leading a mentoring programme (face to face and online), development of online resources, technology training and design, and strategy and policy advice to partners including the Isabel Provincial Government. As an international partner of COL, I was invited to their HQ in Vancouver, to participate in programme planning (Oct 2009). <a href="http://isabel-youth.ning.com">http://isabel-youth.ning.com</a> and <a href="http://www.wikieducator.org/Community_Media/Isabel">http://www.wikieducator.org/Community_Media/Isabel</a> . This work is ongoing with a new phase starting in May 2011. In 2011 I facilitated training on the introduction of mobile technology into learning, for the partners of New Dawn FM community radio station, Buka, Bougainville, PNG. <a href="http://wikieducator.org/Community_Media/PNG/Bogenvil_Meri_Tede">http://wikieducator.org/Community_Media/PNG/Bogenvil_Meri_Tede</a>

Sept 09 ongoing	Solomon Islands, partners in 4 other countries	WebSatMedia, Singapore	Project Manager	To coordinate Pacific partners in an international contract to install 2.4m VSAT systems at ANZ banks in Solomon Islands, Samoa, Kiribati, Cook Islands and American Samoa. Contracting authority is WebSatMedia of Singapore. ANZ has awarded SingTel/Optus and WebSatMedia the global connectivity network to connect ANZ remote offices to its HQ in Melbourne. Leeming Consulting are WebSatMedia's Partner in Solomon Islands for all coordination and project management
Feb – Jun 2009	Solomon Islands	Commonwealth of Learning	Project manager / consultant	In this consultancy I was leading the collaborative development of learning content for <b>community media</b> , under COL's Learning4Peace programme in partnership with Isabel Province Government and women and youth networks. Responsibilities included building capacity for networking, collaboration and participatory radio programming aligned with the Isabel Province Youth Policy and Action Plan. Under a related contract I wrote a chapter of a forthcoming book to be published by COL (see publications list)
April 2009	Nauru	Nauru Ministry of Education	Consultant / trainer	Teacher training and technical assistance on Nauru's <b>One Laptop Per Child</b> Programme. This mission involved teacher and community training, curriculum integration and content development, and development of the strategy for the country programme. <a href="http://wiki.laptop.org/go/OLPC_Nauru">http://wiki.laptop.org/go/OLPC_Nauru</a>
Jan 09 – Dec 09	Solomon Islands	Linpico Ltd. EDF funded Solomon Islands Ministry of Education	TA	Provide follow-up TA to the DLCP project of the EU and NZAid funded Education Sector Investment and Reform Programme. This part time contract focused on developing the main streaming of DFL within the education sector, strategic planning, and technical areas such as training in the introduction of Moodle and expanded VSAT networking with community access, and an evaluation of the OLPC trials ongoing.
June -Dec 2008	Regional Pacific Islands	Secretariat of the Pacific Community SPC	Coordinator, One Laptop Per Child Regional Trials programme	Coordinate and implement strategies, and programmes of trials in all member countries for the One Laptop Per Child (OLPC) Oceania programme of SPC under the Pacific Digital Strategy. This involved liaison and coordination with Ministries of education, NGOs and other partners, in countries participating in trials, implementing the initial trials in collaboration with all local and regional partners. I remain closely working with regional partners in the OLPC programme. <a href="http://wiki.laptop.org/go/OLPC_Oceania">http://wiki.laptop.org/go/OLPC_Oceania</a>
Jan 2008 – June 2008	Regional Solomon PNG, Nauru, Samoa	Commonwealth of Learning	Consultant / workshop facilitator	Facilitating "Learning4Content" workshops on collaborative content development for educators, in Commonwealth countries of the Pacific Islands. The workshops trained teachers and educators in collaborative resource development using the WikiEducator. The Solomon Islands workshop was the first of up to 100 such workshops worldwide, pioneering the programme for COL. I have also written the L4C Facilitator's Guide under a separate contract. <a href="http://wikieducator.org/Learning4Content">http://wikieducator.org/Learning4Content</a>
Nov07 - Sept 08	Solomon Islands	Secretariat of the Pacific Community	Consultant	(a) To establish a wireless educational network in Marovo Lagoon, Solomon Islands (b) To complete preparations for proposed regional trials of the "One Laptop Per Child" programme (c) To consult with communities in Marovo Lagoon in preparation for the planned pilots of SPC's Rural Internet Connectivity System (RICS). These inputs are related to the Pacific Forum's Digital Strategy, which aims to reach out to remote and rural communities. The community access project is named the Marovo Learning Network. I designed and installed a wide-area Wi-Fi network linked to a VSAT, hosted and managed by local communities and linking up to 15 rural schools. <a href="http://www.peoplefirst.net.sb/DLCP/Marovo.htm">http://www.peoplefirst.net.sb/DLCP/Marovo.htm</a>
Nov/ Dec 07	Solomon Islands	UNDP Solomon Islands Office	Consultant	Consulting and advice to Isabel Province Development Programme, Solomon Islands. Identification and recommendations on programming linkages for the Isabel Province e-Government and e-Governance system. Technical advice provided on the interconnection of rural networks, including People First Network (PFNet) email stations, community FM radio stations, distance learning centre and HF radio networks. Identification of e-government linkages by sector and e-governance linkages related to the Province's planning cycle, to enable increased participation and engagement of citizenry in the planning and development process.

Dec 2004 – Dec 2007	Solomon Islands	EU / EDF Ministry of Education, Solomon Islands	Project Manager 3-years full Time	Manager of the Distance Learning Centres Project (DLCP) (schoolnet and community access project) managing a team of 17 project staff with a total budget of SBD 11 million (EUR 1.1m) over 3 years. The DLCP was an EU-funded component of the Education Sector Investment and Reform Programme (ESIRP). The project established a network of 9 distance learning centres hosted by rural community high schools equipped with broadband Internet through a newly established VSAT network. The centres are run as multipurpose community telecentres,. The project also worked closely with the Ministry on mainstreaming distance and flexible learning (DFL) across the sector, including teacher professional development, literacy, vocational education and training. I advised on sustainability and policy development, working with a specially-created Technical Working Group on distance and flexible learning. As Project Manager, I worked with a small group of regional experts to develop proposals for a regional Trial of OLPC for Oceania, specifically linked to the DLCP. This brought OLPC to the region. The DLCP was featured at several International conferences including the Pacific Forum Education Minister's Meeting, held in Auckland in Nov 2007. The post required of me strong leadership and competence in project management, budgeting, reporting, ICT technical knowledge, human resource development and training, community development and to work at all levels from the grassroots to regional government. <a href="http://www.schoolnet.net.sb">http://www.schoolnet.net.sb</a>
Oct 2000 – current	Solomon Islands	Long term, 2000-04 variously funded (UNDP, British, Japanese and NZ Governments through local missions)  2004-present voluntary	Technical Advisor to the People First Network (PFnet)	The People First Network, or PFnet, is a rural connectivity project, which aims to promote and facilitate equitable and sustainable rural development and peace building by enabling better information sharing and knowledge building among and across communities forming the Solomon Islands. The project has established an email system (now with over 30 stations nationally) based on a robust, proven and sustainable technology using short-wave radio with modem and solar power. PFNet was established under a UNDP Programme (SIDAPP) in Solomon Islands in 2001. I have been Technical Advisor from the concept stage, taking the project forward after SIDAPP closed under the Rural Development Volunteers Association (RDVA), mobilizing donor funding and working with rural communities, developing linkages and building partnerships to secure a sustainable basis for PFnet. In my time as PFnet Technical Advisor the project has been nominated as a finalist in several international ICT4D competitions including the Stockholm Challenge, UNSECO Rural Communications Prize and the InfoDev ICT4D Stories Competition. I remain associated with PFNet on a voluntary basis, advising on strategy and providing technical advice and advocacy. I have also advised on rural communication strategies, and have contributed to the literature through research and participation in regional forums. For instance, in 2003 with technical assistance from UNDP, PFnet hosted a workshop on national ICT strategy building that has improved awareness, professional networks and coordination of ICT in development in the country. <a href="http://www.peoplefirst.net.sb">http://www.peoplefirst.net.sb</a>
Nov. 2004	PNG	UNDP short term international TA	Consultant	Co-facilitator, National ICT Strategy Building Workshop, UNDP PNG Office. Facilitated a national workshop bringing together PNG government, academic, private sector, civil society and community ICT stakeholders to identify problems, challenges and objectives for a national ICT policy.
Oct 2004	Solomon Islands	Machinery of Govt (Ausaid), S.I.	Consultant	Provided and environmental scan and short term advice on the establishment of a Solomon Islands Government website, including an analysis of wider eGovernment implications.
July 2004	PNG	EDF funded IRPEF programme, PNG	Consultant	Short term advice on ICT to the Improvement of Rural Primary Education Facilities Project regarding remote communications and solar power for rural primary schools in PNG's Madang, Sepik and Highlands provinces. Environmental scan and consultations, and reporting with recommendations.
Jul 99 - Oct 00	Solomon	UNDP / UNIDO project	Webmaster / ICT Officer	Established and localized a website <a href="http://www.commerce.gov.sb">www.commerce.gov.sb</a> and online business information service to support SME development in rural areas for the Solomon Islands Ministry of Commerce.
Feb 96 – Dec98	Solomon	VSO	Volunteer	VSO maths/science teacher in 2 rural secondary schools. Installed solar power supplies in 2 rural schools.

Jan90 - Feb96	UK	Health and Safety Executive	Senior Scientific Officer	Research scientist, HSE's Research Laboratory. Quantified Risk assessment applied to the transport of dangerous goods. Advised the HSE Major Hazard Assessment Unit and developed computer tools for the assessment of hazards, which are used in public enquiries and strategic planning with regard to health and safety.
Aug88 -Jan90	UK	Building design Partnership	Acoustics consultant	Assistance to the acoustics group. Various noise surveys, computer modelling of noise from Channel Tunnel, etc.
87-8	UK	University of Sheffield	Research Assistant	Post-graduate research, computer modelling of auditorium acoustics
Jun86 -Oct 87	UK	Enviro-systems Ltd. Lancaster	Electronics Engineer	Diagnostics and repair of electronics.
Sep83-84	Norway	Ch Michelson Institute	UG research Asst.	University "year out" industrial experience.

### Referees:

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## Publications List for David Leeming. Most recent first.

1. *One Laptop Per Child (OLPC) Workbook for Educators*, D Leeming, open publication, Feb 2010  
<http://olpcoceania.blogspot.com/2010/02/olpc-workbook-for-education-officials.html>
2. *Using technology enhanced learning solutions to build bridges across the Digital Divide towards 'empowerment' in Australia and the Asia-Pacific region*, M. Hastie, NS.Chen, D Leeming, TELearn2009 Conference, Academia Sinica ,Taipei, Taiwan from October 6-8, 2009. <http://telearn2009.cl.ncu.edu.tw/program.html>
3. *Youth Collaborating for Peace with Community Media in Solomon Islands*, Leeming D.G., Chapter of book, *Learning to Live Together, using Distance Education for Community Peace Building*, Eds. T. Munro, R. Baksh, Pub: Commonwealth of Learning, June 2009 , ISBN: 9781894975353  
<http://www.col.org/resources/publications/Pages/detail.aspx?PID=319>
4. *Challenges and Impacts of One Laptop Per Child*, Leeming D., Thomson I., Forster T. Launched at the Pacific Forum Education Minister's Meeting in Tonga, March 2009, as part of the University of the South Pacific's PRIDE series of publications (pub, University of the South Pacific, PRIDE series, 2010).  
<http://wiki.laptop.org/images/f/fb/Leeming-Thomson-Forster-PRIDE-2009.pdf>
5. *The Islands of Wisdom (and Learning), The role of Distance and Flexible Learning in the Solomon islands education system*, Leeming, D., Paper presented to the Pacific Forum Education Minister's Meeting, Auckland, New Zealand, 28<sup>th</sup> Nov 2007.
6. Chand, A; Leeming. D et al.; *The Impact of ICT on Rural Development in Solomon Islands: The PFnet Case*; JICA/USP research program, ISBN 982-01-0629-X, 2005  
[http://www.usp.ac.fj/jica/ict\\_research/pfnet\\_case\\_study/pfnet\\_intro.html](http://www.usp.ac.fj/jica/ict_research/pfnet_case_study/pfnet_intro.html)
7. Contribution to book: *Exploring New Modalities; Experiences with ICT Interventions in the Asia-Pacific Region, Chapter 14: A Distance Learning Application of the Solomon Islands People First Network (PFnet)* by UNDP Asia Pacific Development Information Programme (APDIP), UNDP-APDIP ICT4D Series 2006, Elsevier, ISBN 81-312-0630-0.
8. Stork, E; Leeming, D.; Biliki, R. (2003) *Solomon Islands ICT Strategy Workshop Report*, the Electronic Journal on Information Systems in Developing Countries.  
<http://www.ejisd.org/ojs2/index.php/ejisd/issue/view/72>
9. Stork, E; Leeming, D.(2004) *Papua New Guinea National ICT Workshop Report*,  
[http://www.undp.org.pg/documents/PNG\\_National\\_ICT\\_Workshop\\_Report\\_2.12.2004\\_final.pdf](http://www.undp.org.pg/documents/PNG_National_ICT_Workshop_Report_2.12.2004_final.pdf)
10. Leeming D., (2003) *Education through Wireless Networking in Solomon Islands*, Asia Media Information and Communications Centre AMIC, 12th Annual Meeting, Singapore, Nov 2003
11. Leeming D., (2003), *Challenges for Sustainable Rural Networking in Solomon Islands*, ICTP Round Table on Science for Developing Countries, Oct 2003  
<http://www.peoplefirst.net.sb/downloads/ICTP-PFnet-Oct03.zip>  
Published in "Rural Transformation, Socio-Economic Issues", ed. Bhargava H., Kumar D.; ICFAI University Press, Hyderabad, India, 2006. ISBN 81-314-0090-5
12. Leeming D., (2003) *Input Paper for the Solomon Islands People First Network*, World Summit on the Information Society, Tokyo Regional Meeting, Jan 2003. [http://www.wsis-japan.jp/documents/ngo\\_10.pdf](http://www.wsis-japan.jp/documents/ngo_10.pdf)
13. *Analysis of Risk Model Estimates for the Transport of Dangerous Goods*, FF Saccomanno, DG Leeming, A Stewart, Proceedings of the International Concensus Conference on the transport of Dangerous Goods, Toronto, Canada, April 1992. Published by the University of Waterloo Press, Ontario, Canada
14. *Use of QRA to compare the risks of transporting chlorine by road and rail*, DG Leeming and FF Saccomanno, 1993 Hazmat Transportation Conference, Albuquerque, New

Mexico, USA, July 1993

15. *Effect of Transport Mode on the Risks from Handling Chlorine at a Major Industrial Facility in the UK*, DG Leeming and FF Saccomanno, Emergency Response ER93 International Conference on the Practical Approach to Hazardous Materials, St.Johns, New Brunswick, Canada, Sept 1993
16. *Risk Assessment in the Process Industries*, Contribution to book published by IchemE 1996, ISBN 0852953232
17. *Effect of Road and Traffic Characteristics on Accidents Involving Heavy Goods Vehicles*  
L Liu, D Leeming and J Wilday, Proceedings of the Truck Safety Conference, Toronto, 1996