

CURRICULUM VITAE: WILLIAM CRITCHLEY

Personal Details

Surname: CRITCHLEY
First Names: William Richard Stephen
Sex/ Marital Status: Male/ Married
Born: 19 March 1952/ Harrogate, United Kingdom
Nationality: British
Address: Work: CIS – Centre for International Cooperation
VU University Amsterdam
De Boelelaan 1105
1081 HV Amsterdam, The Netherlands
tel: + 31-20-5989072/97; fax: + 31-20-5989095
email: WRS.Critchley@cis.vu.nl
Home: Lekerwaard 219
1824 HJ Alkmaar, The Netherlands
tel: + 31-72-5645977
email: willcritchley@hotmail.com

Education/ Academic Qualifications:

PhD: VU University Amsterdam, The Netherlands (2000)
New Perspectives on Soil Erosion & Conservation in the Tropics

BSc Agriculture (Honours): Reading University, UK (1973)

Languages: English - Mother tongue
French - Working Knowledge
Dutch - Working Knowledge
Kiswahili - Fluent

Main Countries: East Africa - Lived and worked in Kenya from 1973 to 1987 (plus assignments each year subsequently); Visited Uganda for missions 2-3 times each year since 1993; Several missions to Tanzania since late 1990s
South Africa - Lived and worked at University of the North 1996 and 1997
India - Various consultancy and research missions since 1987
Indonesia - Several research-oriented visits during 1990s
PNG - Three visits concerning farmer innovation in 2005/2006
Balkans - Trained several students and two exploratory visits in 2006

Key Expertise:

SUSTAINABLE LAND MANAGEMENT, CLIMATE CHANGE ADAPTATION, LOCAL INNOVATION

through:

- Project and programme formulation, evaluation & technical support
- Training & teaching/ preparation of training materials/ student supervision
- Editing/ writing books and articles/ scripting videos/ work-photography (stills)

Other relevant positions/ designations:

- Deputy President of World Association of SWC (WASWAC) and chief book reviewer
- Core member 'World Overview of Conservation Approaches & Technologies' (WOCAT)
- Reviewer research proposals on land and water for Challenge Programme on Water & Food

Interests outside work

- Sport/ Walking/ Literature/ Writing/ Gardening/ Cooking/ Photography

WORK EXPERIENCE

1998 to present: Senior Advisor, Sustainable Land Management Thematic Unit, Centre for International Cooperation, VU University Amsterdam

- developing and teaching *Sustainable Land Management* to VUA Masters' students
- developed and teaching *Environment & Development* to VUA Bachelor's students
- supervision of c. 50 Masters' students in Africa, Asia and Central America
- technical director EU FP7 Project "WHaTeR" on water harvesting in SSA
- consultant to World Bank Institute on Climate-Smart Agriculture: developing e-courses
- project/ programme design and acquisition (recent successes: 2 x LDFA GEF projects; Medium Sized Project 'Stimulating Community Initiatives in Sustainable Land Management' for UNEP-GEF under which function is head of technical advisory group; Full Scale Project 'Lake Tana Watershed' for IFAD and associated CC Adaptation project)
- director of educational/ awareness raising broadcast quality film in Burkina Faso and Kenya with accompanying book entitled "More People, More Trees" (2010)
- director series of mini-films on "SLM technologies for CC adaptation" for IFAD (2011)
- lead editor of Earthscan book (in print) "Water Harvesting in Sub-Saharan Africa"
- co-editor WOCAT's overview book on SLM "where the land is greener" (2007); technical editor WOCAT's "SLM in Practice" (2010) for TerrAfrica
- project evaluation: including
 - (a) Challenge programme for Water and Food: Volta basin program (2008)
 - (b) Desert Margin Programme for UNEP-GEF (2006/7)
 - (c) Land Reform programme at the University of the Western Cape, SA for NORAD (2006)
 - (d) Biodiversity in the Drylands for UNEP-GEF (2003)
 - (e) Bundelkhand Integrated Water Management Project (UP, India) for Dutch Embassy
- *ad hoc* consultancies/ assignments including; consultant to WB Institute on "Climate Smart Agriculture" including scripting two videos (2011); author of background paper on rainfed agriculture for the World Bank (2009/10); convenor of session on 'participatory methodologies' at the VII International Rangelands Conference, Durban SA (2003) Technical support to Ghana's WB funded Savanna Resource Management Project (2001)
- technical/ methodological coordinator of UNDP *Promoting Farmer Innovation* programme in East Africa (budget US\$ 1m) incl. publications and a broadcast quality video (1996-2002)
- coordination of backstopping support to *Indigenous Soil and Water Conservation, Phase 2* (ISWC2) programme in Uganda (budget approx. US \$ 0.25m)
- lead researcher in NUFFIC funded project: *Indigenous Knowledge and Water*

1996 & 1997: Research Coordinator, Land Management and Rural Development Programme University of the North, Pietersburg, South Africa

- coordination of rural development research programme at formerly 'black' University: supervising team of ± 10 researchers (total budget approx. US \$ 0. 3m)
- setting up various training courses in participatory research
- specific responsibility for research into land degradation and rehabilitation
- simultaneous consultancies and annual 2-week SWC training course in Wageningen

1990-1995: Senior Staff Member, Natural Resource Management Unit, Centre for International Cooperation, Vrije Universiteit Amsterdam

- Evaluations
- Sida's Regional Soil Conservation Unit, East Africa (for SIDA)
- ICRAF's SALWA Network in the Sahel (for IFAD)
- Water Harvesting Projects in Turkana District, Kenya (for ITDG)
- MAHITI project, Gujarat, India (for Aga Khan Foundation)
- Project Backstopping
- regular backstopping to IFAD's Soil and Water Conservation Project (SWACAP) in Lesotho
- technical coordination *Promoting Farmer Innovation* project in Kenya, Uganda, Tanzania
- technical coordination *Indigenous Soil and Water Conservation* project in Uganda
- Policy Document Preparation
- joint preparation of: "Soil and Water Conservation in Sub-Saharan Africa" for IFAD
- global review of Indigenous SWC and its potential role in project design: for Silsoe Research Institute
- two management manuals on land use change in tropical rain forest areas for UNESCO

- Video Production :coordinator and script writer video for
 - OXFAM / IIED on successful small-scale SWC projects in Africa (1991)
 - IFAD on Special Programme for Africa (1992)
 - UNDP on farmer innovation in East Africa (1999)
 - UNDP on drylands programme in Kenya (2002)
- Research
 - part of VUA/ University Gadjah Mada research team on erosion in steep tropical watershed, Central Java
 - responsible, as consultant to Silsoe Research Institute, for preparation of collaborative research programme on indigenous soil and water conservation in Uganda

1987-1989 Freelance Consultant (based in UK) assignments included:

Aga Khan Foundation: several visits to India between 1987 and 1990.

- advisor to Aga Khan Rural Support Programme in Gujarat, on watershed management
- evaluation of MAHITI project (saline wasteland development)
- advisor to Sadguru Water and Development Foundation

The World Bank

- team leader, World Bank's Sub-Saharan Water Harvesting Study. Examination and documentation (two published reports: one video) of traditional and experimental systems of water harvesting in the semi-arid areas of Sub-Saharan Africa.
- consultant to WB funded Central Rangeland's Development Project in Somalia

Food and Agriculture Organisation

- horticultural consultancy in Lesotho
- preparation of manual on water harvesting

1984-1986: Agronomist: Kitui Arid Semi-Arid Lands Development Project, Kenya

Project funded by USAID and Implemented by GOK/Louis Berger Int. Inc.

- trained staff on water harvesting, crop varieties, crop storage/ protection
- established trials to test improved methods of production and better crop varieties
- initiated trials on systems of water harvesting for smallholder agriculture
- prepared handbook of District Agronomic Recommendations

1980-1984: Crop Specialist: Baringo Pilot Semi-Arid Area Project, Kenya

Project funded by World Bank and implemented by GOK/World Bank

- developed cropping package for agropastoralists
- designed and helped construct small-scale gravity fed irrigation systems
- conducted extensive trials with systems of water harvesting for crops, trees and fodder
- general involvement in donor-supported integrated rural development project.

1977-1979: Manager: Chesongoch Agricultural Project Elgeyo-Marakwet, Kenya

Project funded by MISEREOR and implemented through Catholic Mission

- established low-cost agricultural project aimed at subsistence farmers in a marginal area
- established small intermediate technology workshop

1973-1977: Volunteer Agriculturalist : Nerkwo Catholic Mission, Elgeyo-Marakwet, Kenya

Project supported by OXFAM under auspices of Voluntary Service Overseas

- introduced and taught agriculture as an examinable subject in a secondary school
- assisted local farmers to develop dairy farming production and vegetable growing

PUBLICATIONS (WRSC alone unless stated)

- In press *Water Harvesting in Sub-Saharan Africa*. Book: to be published by Earthscan late 2012. WRSC and J. Gowing editors
- In press *Rainfed Agriculture in the Drylands*. World Bank "Water Paper" S. Scheierling with WRSC et al
- In press *Innovation System Approach, Policy Learning & Agricultural and Rural Development*
Chapter in book to be published by KIT (Royal Tropical Institute) Amsterdam. J.A. Francis, M. Bolo and WRSC
- 2011 Experiences in monitoring and assessment of sustainable land management. WRSC as one of 12 authors (Schwilch et al.) *Land Degradation and Development* 22: 214-225
- 2010 *More People, More Trees*. Film, and book, of same name. Practical Action Publication. WRSC as director and author, respectively
- 2010 *SLM in practice – knowledge for action in sub-Saharan Africa*. Book for FAO/ World Bank's TerrAfrica programme. WRSC as Technical editor (Authors: Liniger et al)
- 2010 Managing water by managing land: addressing land degradation to improve water productivity and rural livelihoods. D Bossio, K Geheb and WRSC. *Agricultural Water Management* 97: 536-542
- 2009 Soil and water management techniques in rainfed agriculture: state of the art and prospects for the future. Consultancy report ("Background Note") for World Bank's Water Anchor
- 2008 "Local innovation in greenwater management" WRSC with G Negi and M Brommer. Chapter 7 in *Conserving Land, Protecting Water* (Bossio D and Geheb K eds.) CABI and IWMI
- 2008 "Safeguarding water resources by making the land greener: Knowledge management through WOCAT" HP Liniger and WRSC. Chapter 9 in *Conserving Land, Protecting Water* (Bossio D and Geheb K eds.) CABI and IWMI
- 2007 *Where the Land is Greener: Case studies and analysis of SWC worldwide* (book with 42+ cases, and analysis of approaches & techniques, edited by WRSC and HP Liniger: WOCAT, Berne)
- 2007 "Conserving land, protecting water" (one of six invited lead authors) chapter in IWMI book *Water for food: water for life*. Product of Comprehensive Assessment of Water in Agriculture.
- 2007 *Partnerships for Progress* (edited book with others; under PROLINNOVA programme) CTA
- 2007 "Where the land is greener" (with four others) ODI Natural Resource Perspective no 108
- 2007 "WOCAT: A framework for monitoring and evaluation of soil and water conservation initiatives" (with HP Liniger) chapter in: de Graaf et al *Monitoring and evaluation of Soil Conservation and Watershed Development Projects*. Science Publishers, Enfield, NH, USA
- 2007 Several articles (co-written) in Urban agriculture magazine no 19 (www.ruaf.org) edition entitled: *Stimulating innovation in Urban Agriculture*
- 2007 *Working with Farmer Innovators: a practical guide* (70 page booklet) CTA and VUA –CIS
- 2005/6 Articles (with various others) on farmer innovation in LEISA magazines
Mountain Research and Development 19 (3), 261-272
- 2004 *An Annotated Bibliography of Indigenous Knowledge and Water* (WRSC, M.Brommer and W. Tuyup)
Internal booklet, VUA-CIS
- 2004 "From nature to nurture: SWC management for rainfed steepplands in the humid tropics" (chapter 38 in Bonell M and Bruijnzeel LA (eds) *Forests, Water and People in the Humid Tropics*. UNESCO, CU Press
- 2004 "Vegetative barriers: green belts or a waste of space?" (WRSC et al, chapter 34 in Barker DH et al *Ground and Water Bioengineering for Erosion Control and Slope Stabilisation*. Science Pubs, NH
2004 *Protecting what for who? The case of the Monarch Butterfly Biosphere Reserve*. (M Gonzales and WRSC, poster presentation at IASCP conference, Oaxaca, Mexico August 2004)
- 2003 *Innovation and Infiltration: human ingenuity in the face of water shortage in India and Kenya*. (WRSC and M Brommer) *Paper presented at the International Symposium on Water, Poverty and Productive Uses of Water at the Household Level*, Johannesburg, January 2003
- 2003 Local initiatives in a global context: documenting farmer initiatives in land husbandry through WOCAT. (WRSC and K Mutunga) *Land Degradation and Development*. 14: 143 – 162 (2003)
- 2003 "M.P.S. Rautela, Water Volunteer" (WRSC, M Brommer and G Negi) p. 25 *Leisa*, Vol 19, 3
- 2003 "Understanding traditional terracing" (WRSC and M Brommer) pp 14 &15 *Leisa* Vol 19, 4
- 2002 *Farmers' Initiatives in Land Husbandry* (K Mutunga & WRSC). RELMA Tech Rep 27, Nairobi
- 2002 *Harnessing indigenous knowledge and innovation in farmer's field schools*. (D Duveskog , C Mburu & WRSC) *Paper at the workshop on Farmer Field Schools*, Indonesia, 21-25 October
- 2002 *The promises and perils of 'farmer innovation'* (WRSC and K Mutunga) www.scidev.net
- 2002 *People, Poverty and Potential: a new focus in Kenya's drylands* (Video Commissioned by UNDP Kenya: presented at the World Summit for Sustainable Development, Jo'burg, August)
- 2001 *Uncertain steps? Terraces in the tropics* (WRSC, S Sombatpanit and S Medina) in E Bridges et al *Response to Land Degradation* Science Publishers, Enfield, USA
- 2001 (a) Innovation and impact: a preliminary assessment in Kabale Uganda

- (b) Women and innovation: experiences from *Promoting Farmer Innovation* in East Africa
(c) Stimulating creativity among farmers: from isolated individuals to interactive groups (WRSC and others). Three invited chapters in: C Reij and A Waters-Bayer *Farmer Innovation: A Source of Inspiration for Agricultural Development in Africa*. Earthscan, London
- 2000 *Groundtruthing: New Perspectives on Soil Erosion and Conservation in the Tropics*. PhD Thesis, Vrije Universiteit, Amsterdam
- 2000 Innovation and impact: a preliminary assessment in Kabale Uganda
- 2000 Inquiry, initiative and inventiveness: Farmer innovators in East Africa. *Physics and Chemistry of the Earth*, Vol 25, No, 3 pp 285-288
- 1999 Harnessing traditional knowledge for better land husbandry in Kabale District, Uganda.
- 1999 *Promoting Farmer Innovation*. RELMA/ UNSO-UNDP. (Broadcast quality video programme: script writing; technical advisor)
- 1999 *Traditions & Innovation in Land Husbandry: Building on Local Knowledge in Kabale, Uganda* (ed. book: WRSC, and others) RELMA Technical Report 20, Nairobi
- 1999 *An analysis of the use of incentives in, and cost benefits of, soil conservation using WOCAT results* (M Giger, H Liniger and WRSC) In: D Sanders et al *Using Incentives in Soil Conservation* WASWC, Ankeny, Iowa
- 1999 *Food for work and rainwater harvesting: experience from Turkana District, Kenya, in the 1980s*
- 1999 *Promoting Farmer Innovation* (edited book: WRSC with R Cooke, T Jallow, S Lafleur, M Laman, J Njoroge, V Nyagah and E Saint-Firmin) RELMA Workshop Report no 2, Nairobi
- 1998 Land degradation in South Africa: conventional views, changing paradigms and a tradition of soil conservation. (WRSC and E M Netshikovhela) *Development Southern Africa* 15 (3), 449-469
- 1997 *Land reform and natural resource conservation: the Kenyan Experience* (chapter in above book)
- 1997 *Participatory methodology and the new approach to Soil and Water Conservation* (WRSC and D Versfeld) report of training course for Department of Agriculture, South Africa
- 1997 *Sustainable Land Management: Some Signposts for South Africa* (edited book: WRSC, D Versfeld and N Mollel) University of the North Press, South Africa
In: D Sanders et al *Using Incentives in Soil Conservation* WASWC, Ankeny, Iowa
- 1996-98 *NEULAND* (Editor; 4 editions) Newsletter of the Land Management and Rural Development Programme, University of the North
- 1996 *A new approach towards the quantification of runoff and eroded sediment from bench terraces*
- 1996 *An introduction to participatory research methodology* (WRSC, J Clarke and C Senwana). Report of a training course given at Tompi Seleka College, South Africa
- 1996 *Rural Land Reform in Southern Africa* (edited book: A de Villiers and WRSC) University of the North Press, South Africa
- 1995 *Successful Natural Resource Management in Southern Africa* (edited book: S Turner and WRSC) Gamsberg MacMillan Publishers, Namibia
in humid tropical steeplands, and its application in south-central Java, Indonesia (L Bruijnzeel and WRSC) In *Advances in Hillslope Processes*, Vol 2 (Anderson and Brooks, eds; Wiley)
- 1995 *Modern methods from traditional conservation techniques* (WRSC and others) Poster of 'Conserve water to save the soil and the environment' ISCO conference Bonn.
- 1995 *Environmental Impacts of Converting Moist Tropical Forest to Agriculture and Plantations* (WRSC and L Bruijnzeel) UNESCO/IHP Humid Tropics Programme Series No 10
- 1994 *Environmental Impacts of Logging Moist Tropical Forests* (L Bruinjezel and WRSC) UNESCO/IHP Humid Tropics Programme Series No 7
- 1994 Indigenous soil and water conservation: a review of the state of knowledge and prospects for building on traditions (WRSC, C Reij & T Willcocks) *Land Degradation & Rehabilitation* Vol 5
- 1993 *Save Our Soils*. Evaluation of Support to Soil Conservation in Africa (WRSC, J Erikson and E Michanek) SIDA Evaluation Report no. 1993/3.
- 1992 *Soil and Water Conservation in Sub-Saharan Africa: Towards Sustainable Production by the Rural Poor*. (WRSC, C Reij and S Turner) Booklet for IFAD's Africa Department.
- 1992 *Building on Traditions: Conserving Land and Alleviating Poverty*. Video for IFAD (WRSC)
- 1992 *Indigenous soil and water conservation: prospects for building on traditions*. Unpublished paper. Silsoe Research Institute. OD/92/12.
- 1992 Review of water harvesting activities in Lokitaung Division, Turkana District, Kenya. For ITDG.
- 1991 *Water Harvesting: A Manual for the Design and Construction of Water Harvesting Schemes for Plant Production*. (WRSC with K Siegert). FAO, Rome.
- 1991 *Water Harvesting for Plant Production: Volume II: Case Studies and Conclusions for Sub-Saharan Africa*. (WRSC, C Reij and A Sez nec) World Bank Technical Paper no. 157.
- 1991 *Looking After Our Land*. Video and Booklet (of same name) for OXFAM/IIED
- 1991 *New approaches to soil and water conservation*. Article for ILEIA Newsletter.
- 1990 *Catching the Water*. Article in FAO magazine "CERES".

- 1989 *Water harvesting for plant production: experience from Sub-Saharan Africa*. Paper presented to ASAL Soil and Water Conservation Programme Development Workshop, Nairobi, Kenya.
- 1989 Building on a tradition of rainwater harvesting. *Appropriate Technology* Vol. 16 (2).
- 1988 *An innovative approach to rural development: an assessment of MAHITI*. Evaluation of MAHITI project Gujarat, India for Aga Khan Foundation (WRSC, I Hirway and A Bhatt)
- 1986 *Runoff harvesting for crop production: experience in Kitui district*. Paper for 3rd Nat. Workshop on SWC in Kenya.
- 1986 *Some Lessons from Water Harvesting in Sub-Saharan Africa*. Report of World Bank Workshop held in Baringo, Kenya. Eastern and Southern Africa Department, World Bank, Washington
- 1982 *The potential of runoff harvesting for crop production and range rehabilitation in semi-arid Baringo* (WRSC and PD Smith). Paper for 2nd National Workshop on SWC in Kenya.
- 1981 *Agricultural development in Marakwet: some controversial issues*. In Kipkorir et al. *Kerio Valley: Past Present and Future* (Proceedings Institute African Studies Seminar) Nairobi.
- 1980 *Chesongoch Agricultural Project 1977-1979: Final Report*. Mimeo