

CURRICULUM VITAE



Name : Evans née Clemett
First Name : Alexandra
Year of Birth : 1976
Nationality : British

Personal Statement

Alexandra Evans is an environmental scientist with a background in both physical and social sciences. She has undertaken the livelihoods components of several projects including those covering issues of water resources management, water provision and sanitation, coastal zone management and squatter resettlement. She is familiar with and has frequently used participatory rural appraisal techniques in both rural and urban communities. She also works on water quality particularly in relation to its impacts on the livelihoods of natural resource users, and has been involved in various projects on the impact of industrial pollution, agricultural pollution and domestic wastewater on the livelihoods of farmers and fishermen. Alexandra has worked mostly in Asia on projects in Bangladesh, Sri Lanka, India, Pakistan and Uzbekistan, but is increasingly working with colleagues in Ghana and Ethiopia. Her primary interests are water resources management and sanitation; including water availability, water quality and wastewater management. More recently Alexandra has become involved in project management and stakeholder engagement. This has involved working with diverse teams from many countries and understanding the nature and needs of those groups of people. Facilitating dialogue and communicating research findings are a large part of Alexandra's current role including community mobilization, developing awareness raising campaigns, organizing and facilitating workshops, preparing flyers, brochures, newsletters and posters.

Education

1995-1998 **BSc (Hons) Grade I Environmental Science: Chemistry Option**
The Environment Centre, The University of Leeds
Dissertation: Domestic Water Supply and Sanitation in Rural Bangladesh

1999-2002 **M.Sc. Biodiversity and Conservation**
Biology Department, The University of Leeds.
Individual Research Project: Can constructed wetlands for treatment of landfill leachate support wildlife? An assessment of the aquatic invertebrates inhabiting a reed bed treatment system.

Language Skills: English, mother tongue

Professional Experience

April 2010 - present **Strategic Science Uptake Coordinator**, International Water Management Institute, Colombo, Sri Lanka

Developing and implementing strategies for engaging stakeholders in dialogue about agricultural water management issues through a process that involves analyzing the stakeholder groups, identifying their needs in terms of information content and form, and developing products accordingly. This means planning and holding meetings and workshops with stakeholders, understanding their perspectives and working with scientists on the project to incorporate these ideas into their research and findings, and into the research products, such as briefing notes, webpages, blogs. Internal communication is a central part of the role.

March 2005 – June 2010 **Researcher – Livelihoods, water quality and wastewater**, International Water Management Institute, Colombo, Sri Lanka

The role broadly encompasses developing and implementing research projects, stakeholder engagement, generating research outputs and broadly disseminating research results, on issues relating to water pollution and wastewater reuse in agriculture. Also involved in assisting with the design and implementation of other studies at IWM that apply the sustainable livelihood framework to analyze the scope and nature of poverty of rural households engaged in agriculture and non-farm occupations.

- August 2002 – February 2005 **Research Associate**, Stockholm Environment Institute, York, UK
- Working on several research projects including the Department for International Development (DFID) funded research project, "Managing Water Pollution from Small-Scale Industries in Bangladesh" a project designed to seek innovative ways to mitigate for industrial pollution from industry, which is impacting on local communities. The work involves developing and implementing research projects, including designing and undertaking livelihoods analysis and impacts of policies, pollution and projects. Recently I have been given responsibility for assisting in the coordination of SEI's Water Programme.
- 1999-2000 **Research and Teaching Assisant**, School of the Environment, University of Leeds, Leeds, UK
- Researcher for an evaluation of the Mirpur Squatter Resettlement Project, Bangladesh (UNCDF). Developed and implemented a joint Bangladesh-UK field programme conducting focus group discussions and interviews to determine the effectiveness of the resettlement programme and identify future options.
 - Researcher for an evaluation of The Netherlands Water Programme in Gujarat (IOB). An extensive field programme was undertaken by a team comprising Dutch, British and Gujarati researchers. The research methodology included institutional surveys and village level participatory exercises.
 - Undergraduate teaching support, including supervising two undergraduate research projects in Bangladesh.

List of Assignments and Projects

- 2010 Coordination of stakeholder dialogue and uptake strategies for the AgWater Solutions project which is funded by the Bill and Melinda Gates Foundation (BMGF).
- Landscape analysis of business models for the productive use of waste, which was part of a scoping study to inform the Sanitation and Health Program of the BMGF.
- Reporting on IWMI's impact for the World Bank evaluation.
- 2009-2010 Coordinating and guest editing a special edition of the journal Irrigation and Drainage Systems, on Wastewater Reuse.
- Writing for and working with the team to produce a book on Wastewater Irrigation and Health.
- 2007-2009 Learning Alliances for Wastewater Agriculture and Sanitation for Poverty Alleviation (LA WASPA), **Project Manager**. This CGIAR project complemented the WASPA project by providing a platform to monitor and review the processes being used in the WASPA project. I was responsible for writing and overseeing the implementation of the methodology, analysis of the findings with other team members, and overall project management.
- 2005 - 2009 *Wastewater Agriculture and Sanitation for Poverty Alleviation (WASPA) in Asia*, **Project Manager**. This EU funding project was designed to establish a multi-stakeholder platform to review the potential for holistic planning and implementation of wastewater management strategies from the point at which wastewater is produced to its use in agriculture. The project was multi-faceted and combined social and physical science. As project leader for 2 of the 3 years I was responsible for planning the work in Bangladesh and Sri Lanka with the project partners and ensuring that the various components were cohesive. I was also responsible for project outputs and liaison with donors.
- 2005 - 2009 *Ensuring Health and Food Safety from Rapidly Expanding Wastewater Irrigation in South Asia*, **Livelihoods and Institutional Analysis in Pakistan Output Leader**. Undertaking the livelihoods and institutional networks research component of the BMZ funded project in Pakistan. This involved development, implementation and analysis of interviews, focus group discussions and questionnaires. The findings were written into several project reports and combined with other project components into reports and policy briefs.
- 2005 *The Impacts of Diffuse Agricultural Pollution on Livelihoods in Sri Lanka and Egypt*, **Livelihoods Research Coordinator**. Working on the Sri Lanka component of the DFID funded project to investigate the water resource-use patterns in Kachchigal Ara area, the problems associated with their use and the perceived impacts of pollution on livelihoods. This will lead to development of ways to reduce pollution and prevent negative livelihoods impacts.
- 2005-2006 *Livelihoods Analysis in the Ferghana Valley, Central Asia*. **Researcher**. Developing and implementing participatory research to better understand livelihoods and poverty in the Ferghana Valley. The research considered the impact of project interventions on livelihoods and poverty reduction resulting in policy advice.

- 2005 *Water Poverty Mapping*. Working with a team to develop a methodology for mapping water and poverty at the basin level, as a tool to identify areas where improvements in land and water management could reduce poverty.
- 2004 *Nature and Role of Local Benefits of GEF Programme Areas*. **Researcher**. Field research to identify the livelihood benefits to the local population of the GEF Danube Delta Biosphere Reserve Project, Romania, and to identify lessons for future GEF projects. Desk based research to synthesise local benefits from GEF projects in the areas of biodiversity, climate change and international waters.
- 2002-2005 *Managing Pollution from Small-Scale Industry in Bangladesh*. **Researcher**. DFID funded project working with a cluster of industries in Kalikoir, Bangladesh, to identify and introduce cleaner production processes, and to support efforts to treat residual pollution. The project includes a community component consisting of research to identify links between industrial pollution and socio-economic and health impacts, and working with the community to introduce a monitoring programme.
- 2000-2003 *Improving Policy-Livelihoods Relationships in South Asia*. **Researcher, Sri Lanka component**. Research to understand the impact of natural resource management policies (forestry, water and costal) on local communities in Sri Lanka, India (Himachel Pradesh and Andhra Pradesh), Bangladesh and Nepal and the means by which local communities can influence policy development. Responsible for the Sri Lanka component of the work, evaluating the impact of the Coastal Zone Management Plan on coastal communities and natural resources.
- 2003 *WEAP-Livelihoods*. **Researcher**. The research was conducted in Sri Lanka and arose from the evident conflict between water users, particularly downstream coastal communities. The study was designed to develop and pilot a methodology that enables the SEI Water Evaluation and Planning (WEAP) Tool to be linked to livelihoods analysis.
- 2003 *A Review of International Experiences Concerning the Nature and Role of Local Benefits in the Biodiversity, Climate Change and International Waters Areas*. **Researcher and co-author** of GEF funded, desk based evaluation of the experience of international funding and implementing agencies of developing, implementing and evaluating the impacts of projects on local communities.
- 1999 *Evaluation of Netherlands Assistance to the Water Sector in Gujarat, India*. **Researcher**. Evaluation of the impact of a major, piped water supply scheme, in Gujarat, India funded by the Government of the Netherlands. The research included evaluating the impacts on rural communities served by the scheme. It also appraised institutional reforms in the Gujarat Water Supply and Sewerage Board.
- 1999 *Mirpur Squatter Re-settlement, Ex-post Facto Evaluation, UNDP*. **Researcher**. Evaluation of a UNDP squatter re-settlement project in Bangladesh, to assess whether the livelihoods of the intended beneficiaries had been positively impacted. Research methodology included surveys, key person interviews and oral histories.

Publications

- 2010 Evans A.E.V. and Drechsel, P. (2010) Landscape Analysis of Reuse of Waste Products. IWMI for the Bill and Melinda Gates Foundation.
- Evans, A.E.V., Raschid-Sally, L. and Cofie, OO. (2010) Multi-stakeholder Processes for Managing Wastewater Use in Agriculture. In: Drechsel, P., Scott, C.A., Raschid-Sally, L., Redwood, M. and A. Bahri (eds.) Wastewater Irrigation and Health: Assessing and Mitigating Risk in Low-income Countries. London, UK: Earthscan; Ottawa, Canada: International Development Research Centre (IDRC); Colombo, Sri Lanka: International Water Management Institute (IWMI). pp.355-377.
- Drechsel, P. and Evans, A.E.V. (2010) Wastewater Use in Irrigated Agriculture. Editorial, Irrigation and Drainage Systems, 24:1-3.
- Simmons, R. W.; Ahmad, Waqas [IWMI]; Noble, Andrew [IWMI]; Blummel, M.; Evans, Alexandra [IWMI]; Weckenbrock, P. 2010. Effect of long-term un-treated domestic wastewater re-use on soil quality, wheat grain and straw yields and attributes of fodder quality. Irrigation and Drainage Systems, 24(1-2):95-112. (Special issue with contributions by IWMI authors).
- 2009 Evans, A.E.V. and Varma, S. (2009) Practicalities of Participation in Urban IWRM: Perspectives of Wastewater Management in Two Cities in Sri Lanka and Bangladesh. Natural Resources Forum, 33, 19-28.
- Smits, S., da Silva Wells, C., Evans, A.E.V. and Udukumbure, R. (2009) Integrated planning for sanitation and use of wastewater; experiences from two cities in Bangladesh and Sri Lanka. IRC Working paper.

- Khan, M.S., Ahmed, S., Evans, A.E.V. and Chadwick, M. (2009) Performance Analysis of a Textile Effluent Treatment Plant from the Diagnosis of Major Units. Submitted to Waterlines.
- 2008 Robinson, C., Ahmed, R. and Evans, A.E.V. (2009) Improved management and treatment of urban wastewater used in agriculture, Rajshahi, Bangladesh. STREAMS Wash Fair, 13 November 2008. Submitted to Waterlines.
- Evans, A. (2008) What Guidelines are there for Wastewater Agriculture and how are they being used in Sri Lanka? Sri Lankan Association for the Advancement of Science Annual Sessions.
- 2007 Howarth, S., Ismael, A.E., Tharme, R., Abeysekera, T., Clemett, A., Lashin, I., Jinapala, K., Mei, M., Meilhac, C., Murphy, S.E., Somaratne, P.G., Terry, G., Turner, S., and Thomas, C.M. (2007) Diffuse agricultural pollution. Impacts and options for mitigation. Final Report Department for International Development Knowledge and Research Services Contract R8337
- Rashika Nishshanka, Shyamalie de Silva, Alexandra Clemett, Priyanka Dissanayake, Priyantha Jayakody and Palitha Jayaweera .2007. Background Report: Kurunegala, Sri Lanka. WASPA Asia Project Report 1. International Water Management Institute.
- Alexandra Clemett, Md.Maksudul Admin, Sharfun Ara, Md. Mashiur R Akan. 2007. Background Information for Rajshahi City, Bangladesh. WASPA Asia Project Report 2. International Water Management Institute.
- Sharfun Ara, Nubia Sandoval, Md. Maksudul Amin and Alexandra Clemett. 2007. Institutional Analysis for Wastewater Agriculture and Sanitation in Rajshahi, Bangladesh. WASPA Asia Project Report 5. International Water Management Institute.
- Priyanka Dissanayake, Alexandra Clemett, Priyantha Jayakody and Priyanie Amerasinghe. 2007. Report on Water Quality Survey and Pollution in Kurunegala, Sri Lanka. WASPA Asia Project Report 6. International Water Management Institute.
- Priyanka Dissanayake, Md. Maksudul Amin, Priyanie Amerasinghe and Alexandra Clemett. 2007. Baseline Water Quality Survey for Rajshahi, Bangladesh. WASPA Asia Project Report 7. International Water Management Institute.
- Priyantha Jayakody, Indika Gunawardana, Sharika Guneratne, Alexandra Clemett and Priyanka Dissanayake. 2007. Wastewater Agriculture in Kurunegala City, Sri Lanka. WASPA Asia Project Report 8. International Water Management Institute.
- Priyantha Jayakody, Md.Maksudul Admin and Alexandra Clemett. 2007. Wastewater Agriculture in Rajshahi City, Bangladesh. WASPA Asia Project Report 9. International Water Management Institute.
- Indika Gunawardana, Keerthi Wijesinghe, Priyanie Amerasinghe and Alexandra Clemett. 2007. Hygiene and Sanitation Assessment Report for Kurunegala, Sri Lanka. WASPA Asia Project Report 10. International Water Management Institute.
- Priyanie Amerasinghe, Rizwan Ahmed and Alexandra Clemett. 2007. Hygiene and Sanitation Assessment Report for Rajshahi, Bangladesh. WASPA Asia Project Report 11. International Water Management Institute.
- Rashika Nishshanka, Shyamalie de Silva and Alexandra Clemett. 2006. Wilgoda Line Community Survey Summary Report. WASPA Asia Project Report 3. International Water Management Institute.
- 2006 Rashika Nishshanka, Shyamalie de Silva and Alexandra Clemett. 2006. Wilgoda Line Community Survey Summary Report. WASPA Asia Project Report 3. International Water Management Institute.
- Clemett, A.E.V. and Ensink, J.H.J. (2006) Farmer driven wastewater treatment: A case study from Faisalabad, Pakistan. 32nd WEDC International Conference, Colombo, Sri Lanka, 2006 Sustainable Development of Water Resources, Water Supply and Environmental Sanitation.
- 2005 Abayawardana, S., Anputhas, M., Ariyaratne, R., Clemett, A., Gamage, N., Jayakody, P., Jinapala, K., Somaratne, P.G., Weligamage, P., Weragala, N., and D. Wijerathna (2005) Bringing Hambantota Back to Normal: A Post-Tsunami Livelihoods Needs Assessment of Hambantota District in Southern Sri Lanka, IWMI, Colombo
- Ahmed, S., Clemett, A., Clark, M. and K. Tapley (2005) Alternative Production in Textile Dyeing, SEI, Bangladesh
- Akhtaruzzaman, M., Clemett, A., Knapp, J. and S. Ahmed (2005) Choosing an Effluent Treatment Plant, SEI, Bangladesh
- 2004 Clemett, A., "A Review of Environmental Legislation in Bangladesh", SEI, UK
- Clemett, A. and S. Ahmed, "Briefing Note on Efficiency in Textile Dyeing", BCAS, Dhaka
- 2003 Clemett, A., Senaratna Sellamuttu, S. and R. Banda, "Can Coastal Zone Management in Sri Lanka Sustain Local Livelihoods and Ecosystems?" Policy Process Analysis Paper 2. Improving Policy Livelihood Relationships in South Asia. Stockholm Environment Institute, UK
- Senaratna Sellamuttu, S. and A. Clemett, "Avoiding Conflict between Fishers and Farmers: A Study of Potential Social Conflict Over Scarce Water Resources in Kalametiya", CEPA Symposium, Sri Lanka

- Senaratna Sellamuttu, S. and A. Clemett, "Socio-economic and policy issues influencing the sustainability of livelihoods in rural coastal wetland areas in Sri Lanka". Wetlands Symposium, Sri Lanka
- Clemett, A., Soussan, J. and Wallgren, O. "A Review of International Experiences Concerning the Nature and Role of Local Benefits in the Biodiversity, Climate Change and International Waters Areas". The Nature and Role of Local Benefits in GEF Project Areas, Study Document Eight. Global Environmental Facility
- 2001 Clemett, A., Soussan, J. and G. Michell (Eds.) "Making IWRM Work: Lessons from the Evaluation of Water Sector Programmes". The Ministry of Foreign Affairs, The Netherlands
- 2000 Clemett, A., Chadwick, M.T. and J.F. Barr "People's Livelihoods at the Land-Water Interface: Emerging Perspectives on Interactions Between People and the Floodplain Environment", Symposium Proceedings. University of Leeds and University of Newcastle, UK
- Soussan, J., Smout, I., Clemett, A. and H. Apell "Netherlands Support to the Water Sector in India: Impacts on Institutional Development and Change". The Ministry of Foreign Affairs, The Netherlands
- 1999 Soussan, J., Datta, A., and A. Clemett "Ex-Post Facto Evaluation of the Mirpur Resettlement Project Final Report". UNCDF, New York
- Chadwick, M.T., Clemett, A., Hickman-Robertson, N., Alam, S.S., Mallick, D.L. and J.G. Soussan "Drinking Water, Bathing and Sanitation: The Risk to Human Health in Rural Bangladesh". Leeds, UK: Environment Centre Development Series Working Paper No. 2. University of Leeds, UK.