

# Jonathan Rouse Curriculum Vitae

## Profile

- Specialist in household energy and carbon finance for improved biomass stoves;
- Eleven years of experience as project manager, researcher, trainer and fieldworker including more than three years overseas;
- Widely published including books, journal papers, training materials and reports;
- Multidisciplinary background in science and social science.

## Education

### **MA (Developing World) Rural Development**

1998 – 1999 University of Sussex

*Thesis title:* 'Improved Cookstove Programmes: Fundamental Criteria for Success'

### **BSc Applied Physics, with French modules**

1994 – 1997 University of Nottingham

## Career summary

### **2005 – Present: Director HED Consulting, and Independent Consultant**

- Director of HED Consulting Ltd, a UK-based consultancy specialising in household energy and development research, specialist advice and training.
- Worked on a diverse range of short- and medium-term contracts as specialist adviser, project coordinator, researcher, author and trainer.
- Clients include the World Bank, World Health Organisation, United Nations, Berkeley Air, Practical Action, CQuest Capital LLC and JP Morgan Climate Care.

### **2005: World Health Organisation, Geneva, Switzerland.**

Seconded Household Energy Specialist.

- Researched and wrote the 'Catalogue of Evaluation Methods', a tool for facilitating a globally-coordinated approach to evaluating household energy and indoor air pollution interventions. Pub 2008: [www.who.int/indoorair/publications/methods](http://www.who.int/indoorair/publications/methods)
- Developed and delivered household energy monitoring training modules in Guatemala, South Africa, Sri Lanka and Vietnam.

### **2000 – 2005: Water, Engineering and Development Centre (WEDC), Loughborough University, UK.**

Assistant Programme Manager.

- Won, managed and delivered research and consultancies worth over \$500k.
- Undertook many months of participatory fieldwork in South Asia and Africa.
- Lectured postgraduates and trained development professionals in participatory fieldwork methods, household energy and urban livelihoods.

### **2000: India Development Group, India.**

Project Manager.

- Used participatory approaches to design and promote an improved cooking stove with women and entrepreneurs in a village near Lucknow, India.

## **Key projects and consultancies**

### **Improved Stove Carbon Finance Specialist. Togo.**

CDM Improved Cookstove Project. E+Carbon. 2010 - 2011

- Undertaking the baseline study for a programme of activities project in Togo, managing a team undertaking literature reviews and in-country survey work to determine non-renewable biomass fraction, and domestic and commercial baseline fuel consumption.

### **Improved Stove Carbon Finance Specialist. Kenya.**

Gold Standard/ CDM Improved Cookstove Projects. CO2 Balance. 2010 - 2011.

- Providing assistance in development of survey tools; sampling strategies; data analysis and reporting for development of Gold Standard stove projects.

### **Household Energy & Carbon Finance Specialist. Africa.**

CDM Improved Cookstove Project. C-Quest Capital LLC. 2010 - 2011.

- Planned and executed a due diligence assessment of proposed improved cookstove project in Africa, including market assessments and stove performance testing.
- Managing recruitment of local teams, study designs and scope, planning and logistics of fieldwork, budgets, and data analysis and reporting.
- Co-authored UNFCCC Programme of Activity (POA) documentation, pre- and post-validation.

### **Household Energy and Community Development Specialist. Bangladesh.**

Indoor Air Pollution Reduction Pilot Planning Project. World Bank. 2007 - 2010

- Developing a household energy and IAP-reduction project based on extensive reviews of energy and sanitation approaches.
- Frequent visits to Dhaka to consult stakeholders and government and provide guidance and advice on technology and monitoring to consultant organisations.

### **Household Energy Monitoring Specialist. South Asia & East Africa.**

Carbon offset stove program, JPM Climate Care. 2008 - 2009

- Led baseline studies including kitchen surveys, kitchen tests, and non-renewable biomass (NRB) studies in Bangladesh. Recruited and trained field workers, developed survey materials, and analysed and reported on data.
- Completed an NRB study for South India, and preliminary studies and fieldwork for Tanzania and Kenya.

### **Livelihoods Adviser and Evaluator. Kenya, Sudan, Zimbabwe.**

Improving the Urban Environment (IUE). Practical Action/ Comic Relief. 2008

- Evaluating the impact and implementation of a 3-year £850k project, including field visits and extensive literature review. Prepared report and practical recommendations to Practical Action, many of which have been followed up.

### **Household Energy Monitoring and Evaluation Specialist and Trainer.**

World Health Organisation. Guatemala, South Africa, Sri Lanka and Vietnam. 2005-7

- Trainer at four workshops attended by more than 100 participants representing governments, academia, the private sector, donors and NGOs from across South America, Africa, and Asia.
- Developed and delivered training modules on 'Socio-economic impact evaluation'; 'Questionnaire development'; and 'Participation and ethics'.

### **Composting and Marketing Specialist.**

Department of Water and Sanitation in Developing Countries, Switzerland. 2007

- Researched and wrote a practical handbook on marketing compost in low-income countries. Published 2008.

### **Livelihoods and Strategic Planning Specialist. Pakistan**

Capacity Building for Environmental Management in Sindh. Asian Development Bank/  
Halcrow Pakistan Ltd. 2006

- Developed municipal strategic planning tools for small towns in Sindh and drafted provincial Solid Waste Management Policy.

### **Indoor Air Pollution Specialist. Bangladesh**

US Agency for International Development (USAID)/ Concern, 2004

- Assisted in developing the indoor air pollution research and intervention component for the 5 year Child Survival Programme in Bangladesh.

### **Team Leader: Small Business Growth Programme, India**

USAID/ ACDI-VOCA, 2004

- Two month consultancy based in India assessing the potential for outsourcing urban services to small enterprises.

### **Project Manager: Household energy; lessons from water and sanitation**

Shell Foundation, 2003

- Consulted practitioners and policymakers in the UK and India to investigate opportunities for cross-learning between the energy, water and sanitation sectors.

### **Project Manager: Involving the poor in urban development**

Department for International Development (DFID), 2002 - 2005

- Designed and managed a research project focusing on the impact of energy, solid waste and transport policy on the livelihoods of the poor in Bangladesh, Pakistan, India and Ethiopia.
- Applied the Sustainable Livelihoods Approach as a research framework, to gain a broad and detailed understanding of poverty impacts.

## **Ongoing advisor and supervisory roles**

### **Household Energy / Socio-economic Impacts Adviser**

- Supervisor for MSc Thesis on improved stoves. Exeter University, UK. 2010.
- Advisor for the World Bank Ethanol as a Household Fuel in Madagascar project. Practical Action Consulting, 2009.
- Co-Investigator for Bangladesh community-based health impact assessment study, International Centre for Diarrhoeal Disease Research (ICDDR,B), 2009.
- Co-developing a socio-economic monitoring component for the Shell Foundation Breathing Space programme. Berkeley Air Monitoring Group, 2008 – present.
- Visiting lecturer at Brescia University, Italy on the role of improved stoves in development, and of carbon finance in sustainably delivering them. June 2010.

## **Other information**

### **Languages**

*French* - intermediate.

*Bahasa Indonesia* – intermediate in 1995.

*Hindi/Urdu* – good basic conversation (attended language school in India 2005).

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