



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Urban Sanitation, Faculty of Engineering & Physical Sciences



Salary: Grade 7 (£33,797 – £40,322 p.a.)

Reference: EPSCV1010

Closing date: 05 January 2020

Fixed-term for one year

We will consider flexible working arrangements

Research Fellow in Urban Sanitation School of Civil Engineering

Are you an ambitious researcher looking for a new challenge? Do you have expertise in urban sanitation? Do you want to join a multidisciplinary research team at the University of Leeds?

The University of Leeds has been awarded a grant by the Bill and Melinda Gates Foundation for the further development of the Shit flow Diagram Promotion Initiative. This contract in urban sanitation is intended to support the ongoing development of a database of Shit flow Diagrams (SFD) as part of the final phase of the SFD Promotion Initiative and provide targeted support to the UoL team which has developed tools and online resources.

You will work in a multi-disciplinary international team of staff from six partner institutions: the water@leeds research group of the University of Leeds (UoL); the Water and Sanitation Program of the World Bank (WSP); the Global Sector Program on Sustainable Sanitation of the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ GmbH) commissioned by the German Federal Ministry for Economic Development and Cooperation (BMZ); the Department of Water and Sanitation in Developing Countries (SANDEC) at the Swiss Federal Institute of Aquatic Science and Technology (EAWAG); the Water, Engineering and Development Centre (WEDC) of Loughborough University, and the Centre for Science and Environment in Delhi (CSE).

You will support the PI and Co-I in several aspects of the work including the development of an offline data collection tool and links to the web portal, and the development of data collection protocols which can link SFD analysis to the generation of national estimates of access to sanitation per the SDG 6.2 targets and indicators.

You will be based at the University of Leeds and be expected to work independently and be available to travel for short periods (of up to 14 days at a time) to carry out field work.

The SFD promotion initiative (Phase 3) is part of a widespread body of work to promote improved planning and delivery of urban sanitation. The project will further develop the service delivery assessment tool and faecal waste flow diagrams (or Shit Flow



Diagrams, SFDs) developed by the Water and Sanitation Program of the World Bank (working with consultants and staff from UoL) which clearly and simply show how excreta is or is not contained as it moves along multiple pathways from defecation to disposal or end-use in urban places in the global south.

What does the role entail?

As a Research Fellow, your main duties will include:

- Coordinate and provide technical leadership to the development of the data collection tools;
- Coordinate and support the development and operationalisation (through focused fieldwork in one country) of data collection geared towards the development of estimates for SG 6.2;
- Lead on the development and maintenance of relationships necessary to deliver the coordination elements of work package 2, including supporting the organisation and delivery of consultation workshops;
- Track progress of all work packages and produce annual progress reporting in collaboration with the Project Manager.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Research Fellow you will have:

- A PhD (or be working towards completion of your PhD) in a topic closely aligned with urban sanitation in the global south;
- Knowledge and understanding of modern communications technology, app development, website design, coding and programming;
- Excellent analytical skills, ability to interpret and interpolate SFD data sets;
- Experience of independent working in countries of the global south;
- Excellent interpersonal and networking skills – ability to engage with senior professionals and academics to discuss and agree on the use of data;
- Good communication skills including the ability to present results of research in meetings and conferences.



You may also have:

- Previous project management experience or experience of working independently including interacting with colleagues and the public;
- Track record of publications in peer reviewed journals.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised [closing date](#).

Contact information

To explore the post further or for any queries you may have, please contact:

[Prof Barbara Evans](#), Chair in Public Health Engineering

Tel: +44(0)113 343 1990

Email: B.E.Evans@leeds.ac.uk

Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the [Faculty of Engineering & Physical Sciences](#), and the [School of Civil Engineering](#).

A diverse workforce

The Schools in the Faculty of Engineering & Physical Sciences are proud to have been awarded the Athena SWAN [Bronze](#) or [Silver](#) Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.



Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

