



British Geological Survey

NATURAL ENVIRONMENT RESEARCH COUNCIL

Gateway to the Earth

Real-time inference of thermotolerant coliforms in groundwater

James Sorensen (a), Dan Lapworth*(a), Ben Marchant (a), Daniel Nkhuwa (b) and Steve Pedley (c)

(a) *British Geological Survey*

(b) *University of Zambia*

(c) *University of Surrey*

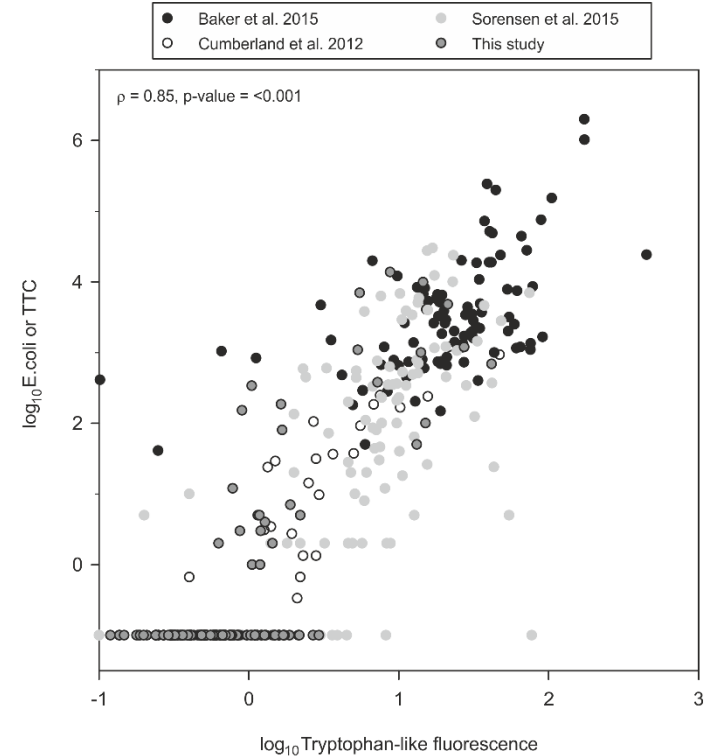
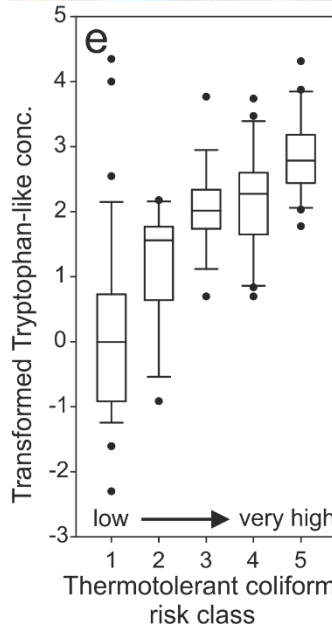
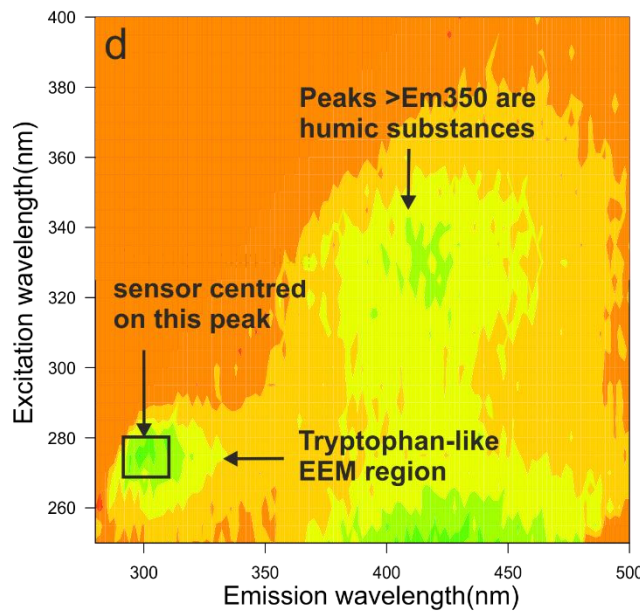
* djla@bgs.ac.uk



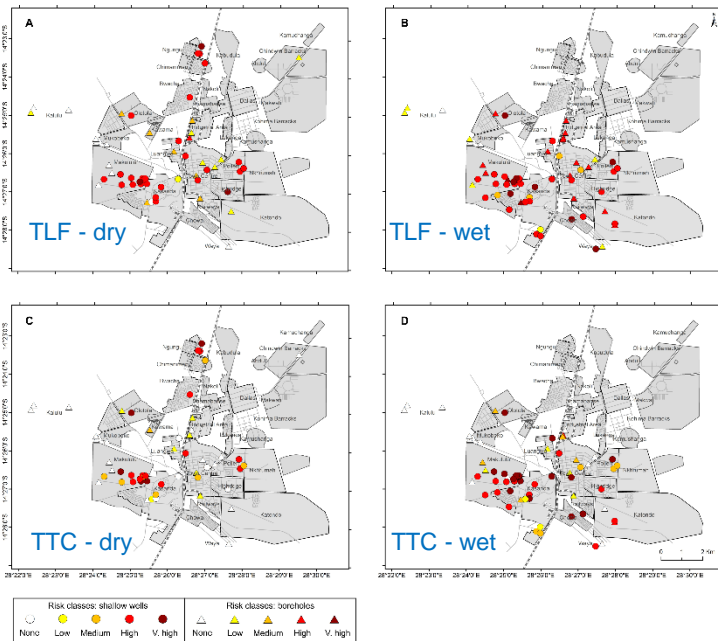
University of Zambia



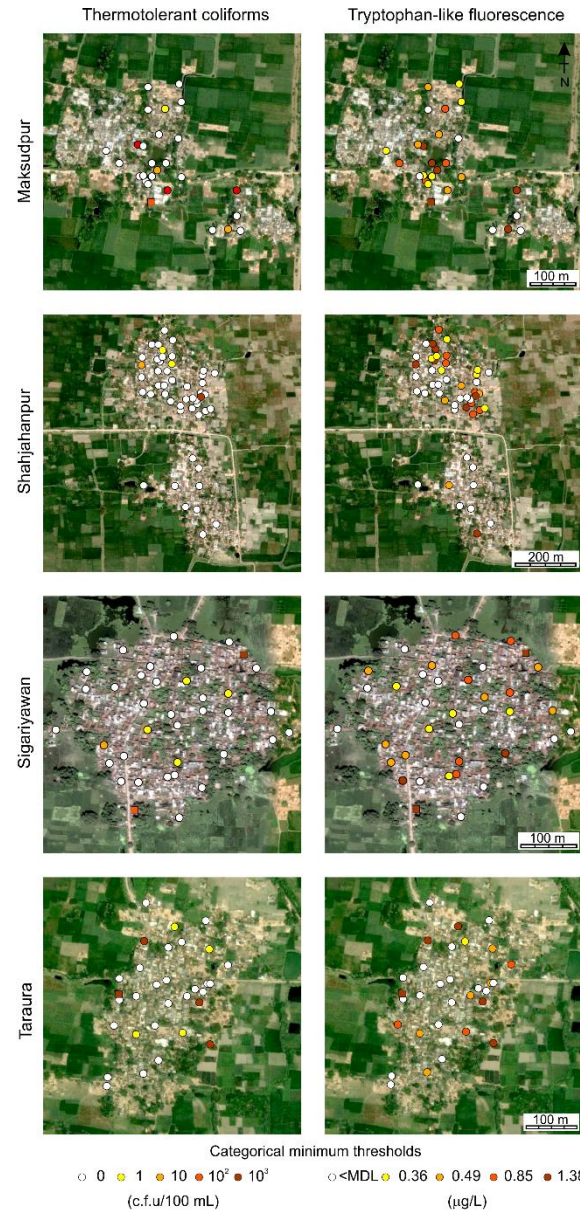
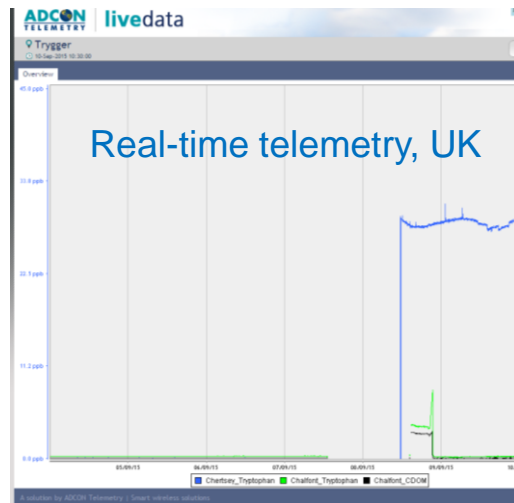
A big water quality problem globally – a potential tool for real time microbiological monitoring is the use of tryptophan-like fluorescence (TLF)



Initial results from pilot studies in Africa, India and UK



Rapid survey, Kabwe, Zambia



Rapid survey, Bihar, India