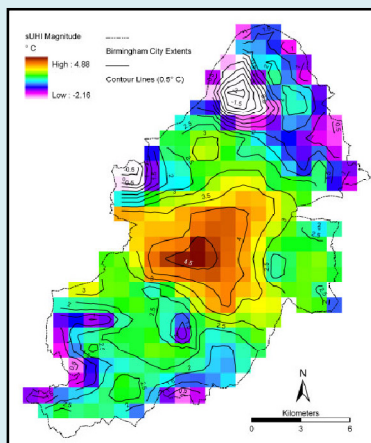
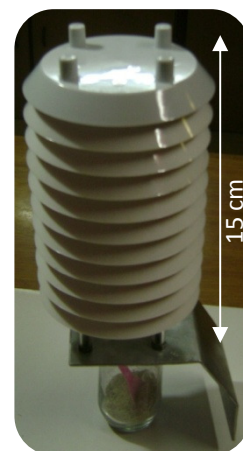


Why get involved with HiTemp?

- Access to wireless, research-quality equipment
- Become involved in a 'real' science project
- Community of schools involved
- Access to near real-time weather maps (temperature and other weather variables) via secure website
- Full archive data sets and information for use by your geography, ICT, science, maths teachers and students
- Educational support and training for any key stage from university academics



Researchers at the University of Birmingham are currently setting up a project to examine Birmingham's urban heat island (UHI) in more detail than ever before possible – UHIs occur in towns and cities as they experience higher air temperatures compared to surrounding rural areas. The project will result in Birmingham having the densest network of air-temperature sensors in the world, allowing world-leading, high-quality urban climate research to be conducted in our city!



Urban heat is amongst the most pressing priorities of the impacts of climate change - urban areas are already vulnerable to decreased thermal comfort during heat waves and projected rates of urban growth mean that vulnerability will increase as the proposed impacts of climate change become realised. The long-term aim of the research team is to identify, model and promote adaptation to the impacts of urban heat and climate change on human health and well-being, and the infrastructure of major conurbations.

We would like to offer schools and colleges in the region the opportunity to become involved in this exciting project. We are looking for schools or colleges in suitable areas who will allow us to locate a small battery-powered, WiFi air temperature sensor on their school grounds.

We will install the system and provide the full technical support and maintenance (which we envisage to be minimal). **The sensor will require use of a WiFi system to allow the small amount of data to be transmitted and displayed online, near real-time.** The data will be publicly available.

If you are interested in becoming involved in this exciting project, and joining more than 130 other schools and colleges in the region taking part, please contact:

Dr Catherine Muller at outreach.bucl@contacts.bham.ac.uk
or 0121 414 9005

Birmingham Urban Climate Lab (B U C L)

