

HiSPARC UK

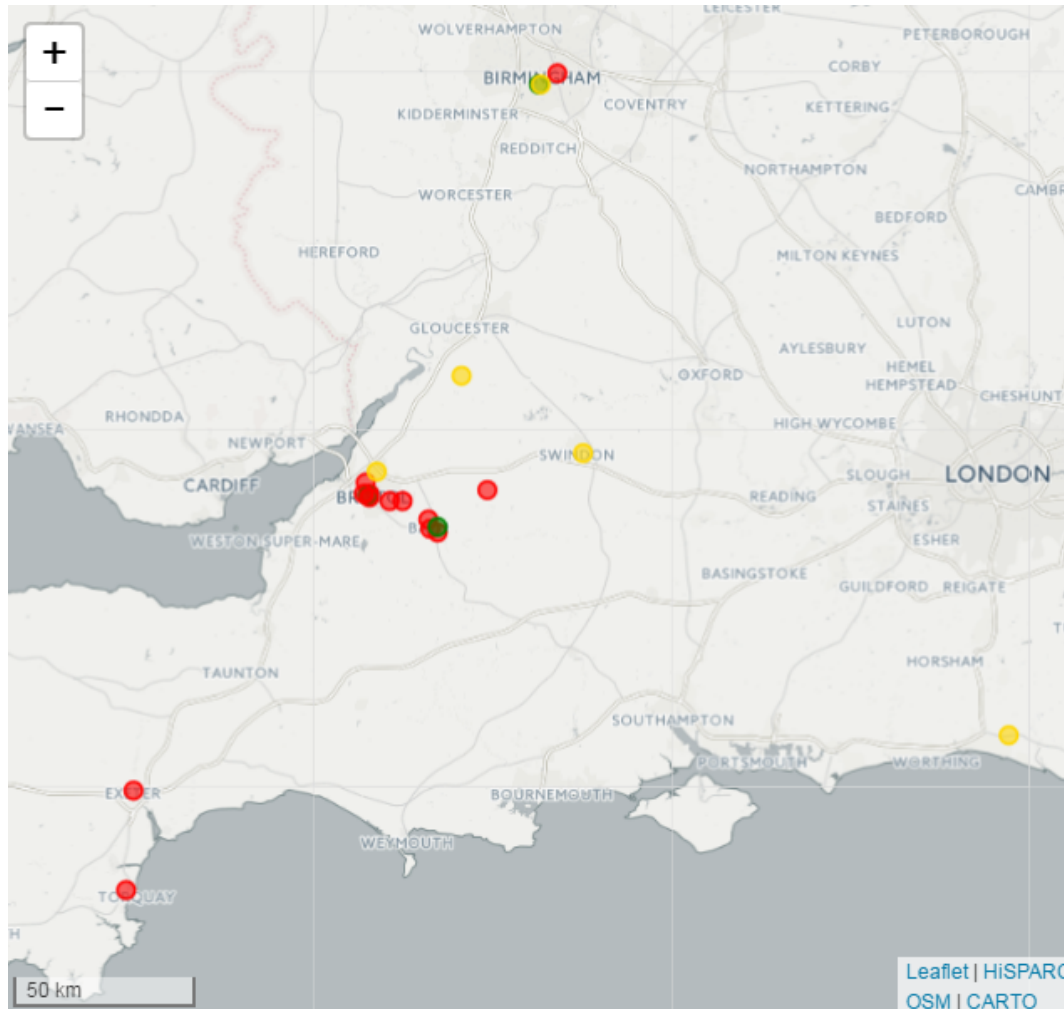
High School Project on Astrophysics Research with Cosmics

UK team: Cristina Lazzeroni, Alessandro Narduzzo,
Maria Pavlidou, Paul Roche, Fabrizio Salvatore, Jaap
Velthuis

Timeline of project in UK

- Started in 2012 at the Universities of Bristol and Bath
- Established in 2013 at the University of Birmingham
- Currently spreading to Wales and South England at the Universities of Cardiff and Sussex
- Schools range from private to comprehensive a total of 50 schools
- Three schools received grants from the Royal Society in purchasing their detectors

Map of UK HiSPARC detectors



20 detectors in schools

50 participating schools

Setting up detectors...



Examples of student research

- Day-night variation of cosmic rays
- Investigating link between certain weather factors (e.g. pressure, temperature) and cosmic rays
- Investigating link between solar cycle and cosmic rays
- Locating sources of cosmic rays
- Calculating primary particle angle

Annual HiSPARC conference



- An annual student conference is held every year in one of the leading Universities
- Students present their work to an audience of academics, teachers and other students