

Cross Cutting Themes

Case Study: 07

Swansea Science Festival

The carbon reduction focus of RICE is vital in our fight against climate change. In addition the project will also be delivering a range of cross cutting themes which will be of benefit to wider society.

These are captured in a series of case studies.

- Equal Opportunities and Gender mainstreaming
- Sustainable development
- Tackling poverty and social exclusion
- Welsh language mainstreaming



The RICE project attended Swansea Science Festival on 3rd and 4th of November 2018 at the National Waterfront Museum.

The largest free festival of its kind in Wales, guided visitors with events taking place across a series of themed zones.

The team showcased the “Hydrogen bike” and the ESRI Hydrogen powered car, along with informing visitors of the ground breaking research taking place through the RICE project.

The [Hydrogen Bike](#) uses the kinetic energy of peddling a bicycle to “split” water into Hydrogen and oxygen and stores the hydrogen which can then be used to as an energy resource. The hydrogen car is solely powered by hydrogen and has a range of 369 miles.

The “Family Weekend” section of the event helps raise awareness of STEM subjects for younger generations. It is estimated that over 10,000 people attended last year’s event.

The team logged 730 conversation over two days. 461 of these

conversation were with people who had no opinion or knowledge of hydrogen as an energy vector before interacting with our stand. After the demonstration, 431 (93%) were able to form an opinion about how they felt



about a hydrogen powered future. This shows the outreach project empowers the public to form opinions on the future of energy.

By raising awareness of STEM subjects among younger people it 's hoped that the RICE project will leave a lasting legacy.