

Cross Cutting Themes

Case Study: 43

WES 100 Violets

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



Researcher Dr Emily Preedy successfully applied for the [100 Violets Challenge](#) from the Women in Engineering Society.

Women in Engineering Society (WES) is a charity and professional network of women engineers, scientists and technologists which offers support and professional development opportunities, encouraging education, gender diversity and inclusion.

Aimed at researchers, the challenge encourages women to interpret their current work and ideas as interactive demonstration units to be delivered to families and young people at a science and engineering event at the Brunel Museum in London. This involved scientist getting out of their comfort zones!

Following 2 training days in London where they learnt how to communicate effectively and interact with young people, the team of 4 RICE researchers were required to develop their exhibit.

Reflecting the collaboration of expertise within RICE the team needed to reflect of reducing

carbon from industry. Following extensive discussion, the team developed a '[Marble Run](#)' to demonstrate the technologies being developed by RICE, with the marbles representing carbon.



The Carbon Ball journeys through an industrial setting and is released as waste to the environment; the RICE team then intervene with the run to clean up the carbon and recycle the waste emitted.

The Marble Run provides an opportunity to quickly demonstrate the concept, leading to further engagement.