

November – Heating

High Tech – Case study



**Calendar for
Climate
Change**

Quid-Pro-Guo - Inter-generational
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Case Study: Safeground

Month:	November
Topic:	Heating
Case Study Title:	SaFEGround - Sustainable, Flexible and Efficient Ground-source heating and cooling systems



Name of the Climate or Social Enterprise or Activist Group:	UKRI, Imperial College London
What is their Story?	Launched in April 2018, UK research and innovation is a non-departmental public body sponsored by the Department for Business,



	<p>Energy and Industrial Strategy. They exist to fund projects that can make in-roads into developing new technologies. Imperial College London is a university with a long history of innovation and climate activism. These two organisations have collaborated on this project to tackle the issue of home heating emissions.</p>
<p>Link to the Case Study:</p>	<p>https://gow.epsrc.ukri.org/NGBOViewGrant.aspx?GrantRef=EP/V042149/1</p>
<p>Why is this a Good Example to Follow?</p>	<p>This project is based in the UK where nearly 15% of all carbon emissions are related to home heating, this project is a good example to follow because it has identified a key issue in the fight against climate change and has made steps to overcoming this problem through the development of new more efficient technologies. This project is also an example of government and academia coming together to find solutions to key problems</p>
<p>What Impact has this case study example achieved?</p>	<p>This project was only launched in 2021, so it's difficult to assess its impact at this stage. However, it has received over 1.5 million pounds in funding and it is looking to address the source of nearly 15% of all emissions in the UK. Therefore, while it may not have a huge impact at the moment its long term impact could be seismic. The ultimate goal of the project is to demonstrate that ground source energy systems can play an important role in the UK's future low-carbon energy mix in a cost-effective manner.</p>
<p>References</p>	<p>https://gow.epsrc.ukri.org/NGBOViewGrant.aspx?GrantRef=EP/V042149/1 https://www.ukri.org/about-us/who-we-are/ https://www.imperial.ac.uk/news/222533/three-imperial-projects-launched-decarbonise-heating/</p>





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