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<b>Research Interest</b>	Sustainability, Resource Efficiency, Construction & Demolition Waste Management, Circular Economy, Education for Sustainability
<b>Publications</b>	<p>The National Waste Prevention Programme published Sectoral Sustainability Factsheets and Case Studies, in 2021, for the construction sector so that enterprises can embed sustainability and climate action into their businesses by reducing water use, waste and energy. These factsheets were developed by Dr. Jan Gottsche and Dr. Mark Kelly.  <a href="https://www.epa.ie/waste/nwpp/sectors/">https://www.epa.ie/waste/nwpp/sectors/</a></p> <p>Gottsche, J. and Kelly, M. (2020) Assessing the impact of resource efficiency on selected case studies in Ireland. Proceedings of the Institution of Civil Engineers - Waste and Resource Management, Volume 173, Issue 4, Pp. 107-118  <a href="https://doi.org/10.1680/jwarm.20.00006">https://doi.org/10.1680/jwarm.20.00006</a></p> <p>Kelly, M., Burke, K. and Gottsche, J. (2019) Exploring material circularity opportunities for a construction-SME on small-scale projects in Ireland. IOP Conference Series: Earth and Environmental Science, Volume 225 (2019) 012066. <a href="https://iopscience.iop.org/article/10.1088/1755-1315/225/1/012066/pdf">https://iopscience.iop.org/article/10.1088/1755-1315/225/1/012066/pdf</a></p> <p>Gottsche, J. and Kelly, M. (2018) Assessing the impact of construction waste reduction on selected projects in Ireland. Proceedings of the Institution of Civil Engineers - Waste and Resource Management, Volume 171, Issue 3, Pp. 71-81  <a href="https://www.icevirtuallibrary.com/doi/10.1680/jwarm.17.00034">https://www.icevirtuallibrary.com/doi/10.1680/jwarm.17.00034</a></p> <p>Gottsche, J., Kelly, M. and Taggart, M. (2016)  Assessing the impact of energy management initiatives on the energy usage during the construction phase of an educational building project in Ireland. Construction Management and Economics, Volume 34, Issue 1, Pp. 46-60.  <a href="https://doi.org/10.1080/01446193.2016.1162317">https://doi.org/10.1080/01446193.2016.1162317</a></p> <p>Gottsche, J. and Kelly, M. (2015) Assessing the impact of energy management initiatives on energy use during the construction phase of an educational building project in Ireland. In: Raidén, A. B. and Aboagye - Nimo, E. (Eds) Proceedings 31<sup>st</sup> Annual ARCOM Conference, 7<sup>th</sup> – 9<sup>th</sup> September 2015, Lincoln, UK, Association of Researchers in Construction Management, Pp. 287 - 296.  <a href="https://goo.gl/30cMJU">https://goo.gl/30cMJU</a></p> <p>Kelly, M. and Gottsche, J. (2015) The Development of a Construction-Phase Resource Efficiency Toolkit for the Irish Construction SME Sector, Final Report for Green Enterprise Programme Phase 2 (2012-ET-CP-30).</p>