



## Global LEAP Awards Solar E-Waste Challenge: Additional Resources

### Global LEAP Publications

1. [Global LEAP Solar E-Waste Market Scoping Report](#)
2. [Sustainable Solar E-waste and Battery Technology Management: A Qualitative Study of Off-Grid Solar Markets Across Uganda and Senegal](#)
3. [Solar E-Waste Management: Best Practices for the Off-Grid Renewable Energy Sector Workshop Report](#)

### Other Publications

1. [ACE-E-Waste-Quick-Win-Report20191029-SCREEN.pdf](#)
2. [Electronics waste impacts and mitigation options in the off grid renewable energy sector](#)

### Academic Articles

- Batteiger, Alexander. 2015. 'Towards a Waste Management System for Solar Home Systems in Bangladesh'. In *Decentralized Solutions for Developing Economies*, 133–40. Springer Proceedings in Energy. Springer, Cham. [https://doi.org/10.1007/978-3-319-15964-5\\_12](https://doi.org/10.1007/978-3-319-15964-5_12).
- Cross, Jamie, and Declan Murray. 2018. 'The Afterlives of Solar Power: Waste and Repair off the Grid in Kenya'. *Energy Research & Social Science* 44 (October): 100–109. <https://doi.org/10.1016/j.erss.2018.04.034>.
- Fthenakis, Vasilis M. 2000. 'End-of-Life Management and Recycling of PV Modules'. *Energy Policy*, The viability of solar photovoltaics, 28 (14): 1051–58. [https://doi.org/10.1016/S0301-4215\(00\)00091-4](https://doi.org/10.1016/S0301-4215(00)00091-4).

### Blogs

- Murray, Declan. 2017. 'Disruptive Renovation: Reducing e-Waste in Africa through Repair'. St. Gallen Symposium (blog). 19 May 2017. <https://www.symposium.org/blog/disruptive-renovation-reducing-e-waste-africa-through-repair>.
- Murray, Declan, and Drew Corbyn. 2018. 'Industry Agrees It Is Time to Tackle Off-Grid Solar Electronic Waste'. Blog. 28 March 2018. GOGLA. <https://www.gogla.org/about-us/blogs/industry-agrees-it-is-time-to-tackle-off-grid-solar-electronic-waste>.
- Schroeder, Patrick. 2016. 'Will Solar PV Create a Wave of Toxic Battery Waste in Rural Africa?' 13 December 2016. <https://www.ids.ac.uk/opinions/will-solar-pv-create-a-wave-of-toxic-battery-waste-in-rural-africa/>.

### Documents & Reports

- GOGLA, 2019, [E-waste Festival Summary Report](#)
- GOGLA. 2014. 'Adoption of Industry Opinion on Lifecycle and Recycling'. <http://global-off-grid-lighting-association.org/gogla-industry-opinion-on-lifecycle-and-recycling/>.



- Andreas Manhart, T.A., Gilbert Kuepouo, Diana Mathai, Silvani Mng'Anyu, & Schleicher, T. 2016. The deadly business – Findings from the Lead Recycling Africa Project. Oeko-Institut e.V., Merzhauser Str. 173, 79100 Freiburg, Germany. May 2016. <https://www.oeko.de/oekodoc/2549/2016-076-de.pdf>
- Lighting Global Eco Design Note - Repair Part 1 <https://www.lightingglobal.org/resource/renewable-energy-product-repair-part-i-overview/>
- Lighting Global Eco Design Note - Repair Part 2 <https://www.lightingglobal.org/resource/product-repair-part-ii-manufacturer-best-practices/>
- Lighting Global Eco Design Note - Restriction of Hazardous Substances <https://www.lightingglobal.org/resource/restriction-of-hazardous-substances-rohs-and-pico%e2%80%90powered-lighting-products/>
- Lighting Global Eco Design Note - Battery Toxicity <https://www.lightingglobal.org/resource/eco-design-note-1-battery-toxicity-and-eco-product-design/>
- Silicon Valley Toxics Coalition 'Towards a Just and Sustainable Solar Industry' [http://svtc.org/wp-content/uploads/Silicon\\_Valley\\_Toxics\\_Coalition\\_-\\_Toward\\_a\\_Just\\_and\\_Sust.pdf](http://svtc.org/wp-content/uploads/Silicon_Valley_Toxics_Coalition_-_Toward_a_Just_and_Sust.pdf)

### Theses & Dissertations

- Verhoef, Johan. 2016. 'Key Success Factors for Solar Home System After-Sales Service and Maintenance in Uganda'. Master's thesis. Rotterdam School of Management: Rotterdam. <https://thesis.eur.nl/pub/35119/>.

### Websites & Initiatives

- Solar What?!, a repairable recyclable lantern - <http://www.solarwhat.xyz/>
- Off-Grid Solar Scorecard, a ranking of products according to repair and recyclability - <http://offgridsolarscorecard.com/>

### Videos, presentations & webinars

- [Clean Energy Center webinar on off-grid solar waste](#)
- A [presentation](#) by Dr. Declan Murray on waste management in the affiliate & non-affiliate markets

### Contact Points for E-waste Recycling

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