

## BioVal: Waste Valorisation for Climate Change Mitigation

This project transforms municipal and agricultural waste into permanent carbon removal and climate-positive products. The project integrates aerobic digestion, microalgal photobioreactors, and pyrolysis to convert waste into biomass, then into stable biochar for >1,000-year carbon storage, with biofertiliser as a valuable co-product. Verified through Nellie's digital MRV platform, BioVal delivers transparent carbon credits (CORCs) alongside sustainable agricultural inputs. Over 18–24 months, the three-partner consortium will validate performance on real waste streams and create a scalable, replicable model for European deployment, aligning with clean energy transition and industrial decarbonisation goals.



**Stephen Milburn**  
**Founder & CEO**  
**Nellie Technologies LTD**  
+44 783 4453612  
[admin@nellie.tech](mailto:admin@nellie.tech)  
[nellie.tech](http://nellie.tech)