

Technology Fact Sheet for Mitigation

Technology	Description	Benefits	Challenges
Retort ⁱ	This technology uses more advanced and environmentally friendly process based on Lambotte carbonisation retort system at a higher conversion efficiency than traditional kilns. In addition to production of charcoal at a higher efficiency, the technology recovers the smoke a valuable by-product pyroligneous liquor.	There are several environmental and socioeconomic benefits include; significant reduction in toxic indoor air pollutants which will result in improved health conditions. Due to increased on-farm availability of fuelwood the time spent daily on gathering fuelwood is saved for use in more productive activities and higher incomes, which in itself could further improve livelihoods. Charcoal produced is of high quality and can be used for industrial uses such as matches production.	The challenge to implementation of this technology is the high investments cost and associated high charcoal prices which are more than current charcoal prices

ⁱ This fact sheet has been extracted from TNA Report – Technology Needs Assessment and Technology Action Plans For Climate Change Mitigation– Zambia. You can access the complete report from the TNA project website <http://tech-action.org/>