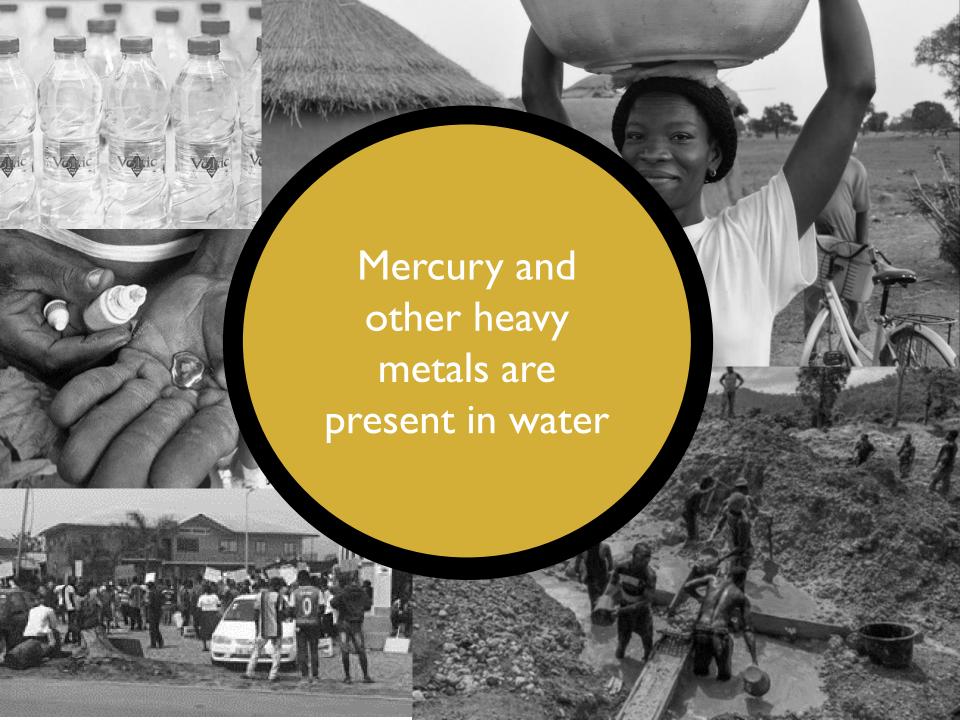


Activated Carbon Filter for Mercury Remediation

By Jessica Antoine, Ema Mehuljic and Meron Tadesse







The Approach:
Co-design with local
high school

Establishing Community Relations









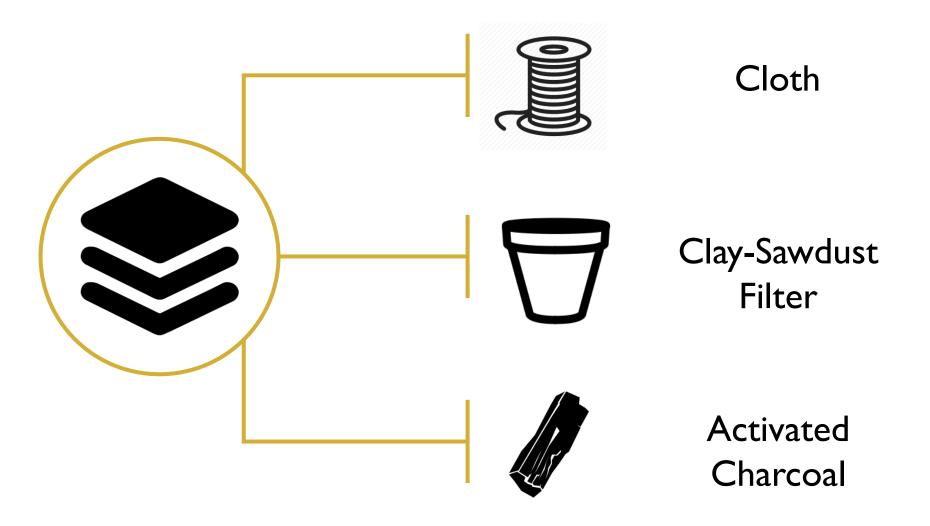
Local Miners

Okyeman Environmental Foundation

Local Community

Kibi Senior High Technical School

Triple Layer Filter Design



Clay-Sawdust Filter Creation Process: Firing Methods









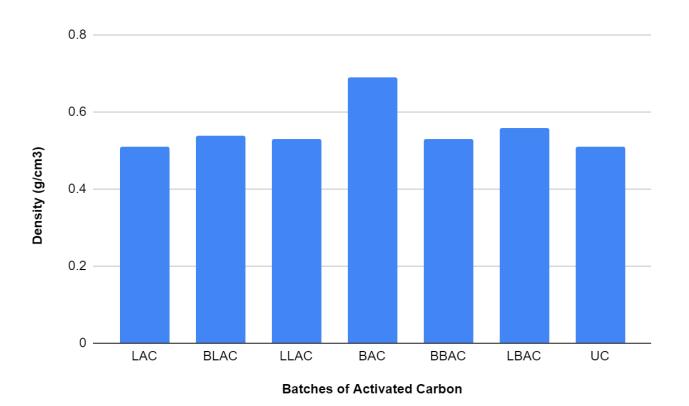
Stress Testing



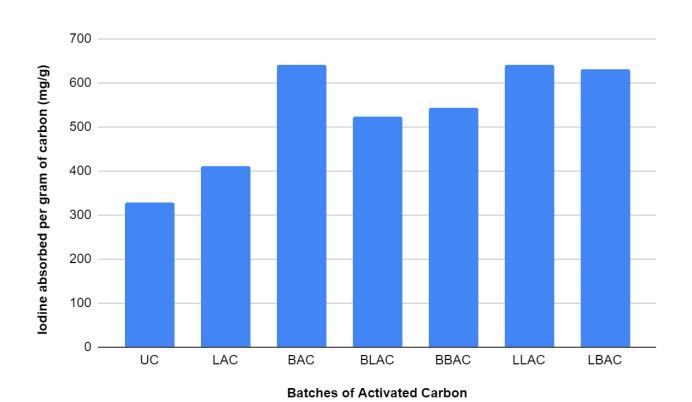
Carbon Addinatingn Methods



Testing Adsorption Efficiency: Density Test



Testing Adsorption Efficiency: Iodine Test





More Tests for Clay-Sawdust Layer

Continue to Work with Local Highschool

Create
Prototype
with Miners



More Tests for Clay-Sawdust Layer Continue to Work with Local Highschool

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