



MINISTRY OF WATER AND ENVIRONMENT



**Conveners: Water For People, GIZ and Kampala Capital City Authority**

Training shall be delivered online on Zoom on Monday 15<sup>th</sup> September 2020. The facilitators shall convene at the MWE auditorium.

<b>Title of the Applied Training: Turning Waste to Wealth</b>	
<b>Description of Training Facilities and other logistics needed:</b>	
<ul style="list-style-type: none"> <li>✓ Open space where black soldier flies and market waste can be displayed to participants showing the break down process of the waste by the flies.</li> <li>✓ Open space where briquettes and compost can be displayed to participants</li> <li>✓ A table to display the IEC materials/ tools</li> <li>✓ Chairs with social distancing and masks.</li> </ul>	
<b>Profile of the Target Participants:</b>	
<ul style="list-style-type: none"> <li>✓ Town council or Municipal officials</li> <li>✓ District Officials (District Education officers, Community Development officers, District Health officers among others</li> <li>✓ NGOs promoting Sanitation</li> <li>✓ Ministry officials especially from MOEs, MWE- Public Health Specialists</li> <li>✓ Other WASH practitioners</li> </ul>	
<b>Prior knowledge or experience required:</b>	<b>Professional or educational requirements:</b>
Basic knowledge in Sanitation	None
<b>Profile of the Facilitators</b>	<ul style="list-style-type: none"> <li>✓ Dr. Najib Bateganya -Kampala Capital City Authority</li> <li>✓ Eng Yvonne Lugaali -Water For People</li> </ul>
<b>Proposed Learning outcomes of the Applied Training</b>	
<ul style="list-style-type: none"> <li>✓ Assist learners to identify the waste types and their characteristics to for their proper management</li> <li>✓ Raise learners' awareness in the production process/technology options for the various products that is briquettes and BS</li> <li>✓ Enable learners appreciate the different business models from waste to wealth (Yvonne and Dr. Najib)- 10 minutes</li> </ul>	
<b>Description of the Applied Training:</b>	



Content/Subject Matter:

**Faecal Sludge Briquette:** As part of the sanitation mission, disposal or repurposing of accumulating fecal sludge has become a concern. One option for addressing the problem is to convert some of it into a heating fuel in the form of eco-briquettes, sticks and honeycomb blocks.

**Black Soldier Flies:** One tonne of larva comprise of 1.5 million larva and need 3.5 tonnes of organic waste to feed. KCCA has created a farm producing half a ton of larva a week. The black soldier fly larva has been found to thrive on organic market waste and 50% pit waste.

**Method of facilitation:**

02 Short video clips showcasing actual FS briquetting process including production & packaging, and composting (using black soldier flies) production process at including waste break down process by the flies. In addition, actual demonstration of the production processes for both briquette and black soldier flies will be done in the open space at the Ministry in the presence of a few participants.

An interactive session of question and answer, as well as quizzes will be done. Most active participants will be motivated with prizes.

Activities	Facilitator	Time (East Africa Standard time)	
		Start	End
Introduction to the Training Facilitators and Participants	Cate Nimanya	14:00	14:05
Introduction of the Training Objectives	Cate Nimanya	14:20	14:10
Quiz 1	Cate Nimanya	14:50	14:15
<b>Session 1:</b> Waste types and their characteristics	Dr Najib Bateganya	14:15	14:25
<b>Session 2:</b> production process/technology options for Briquettes and Composting (with Black soldier Flies)	Dr Najib and Eng Yvonne	14:25	15:00
<b>Question and Answer</b>		<b>15:00</b>	<b>15:30</b>
<b>Session 3:</b> Briquettes and Composting (with Black soldier Flies) Business models of from waste to wealth	Dr Najib and Eng Yvonne	15:30	16:10
<b>Question and Answer</b>		<b>16:10</b>	<b>16:40</b>
Quiz 2	Cate Nimanya	16:40	16:50
Wrap up and follow up actions	Mr. Joseph Eritu	16:50	17:00

**Didactics:**

✓ lecture	✓ role play	
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<ul style="list-style-type: none"><li>✓ debate/discussion</li><li>✓ exercise</li></ul>	<ul style="list-style-type: none"><li>✓ demonstration</li><li>✓ Quiz</li></ul>	
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