WATER AND WOMEN

GENDER SENSITIVE COURSE INTRODUCING WATER DISCOURSE ON SUSTAINABLE DEVELOPMENT OPPORTUNITIES IN THE CARIBBEAN

Class Overview, Materials & Methods, Products, Reflections

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Caribbean Water & Wastewater Association (CWWA) Port of Spain, Trinidad & Tobago October 24th-28th, 2016



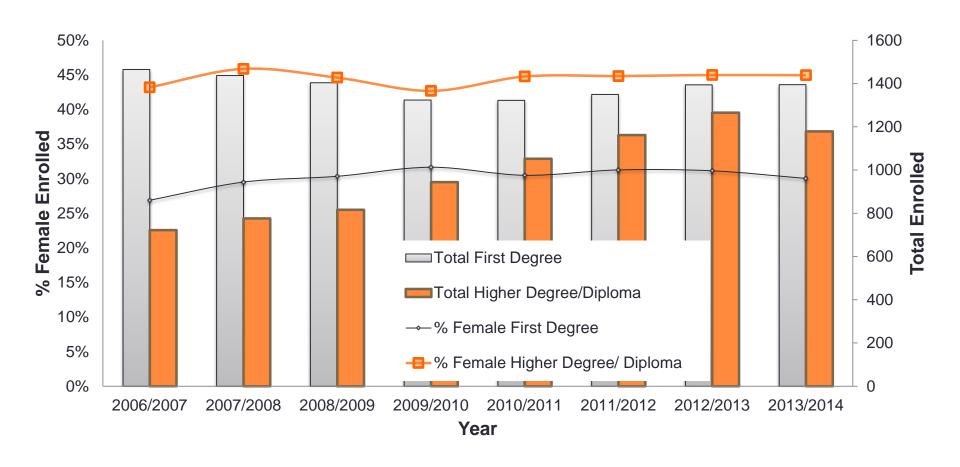
"Overall, as a feminist I think of the MDGs as a Major Distraction Gimmick...For women, the MDGs have inadequate targets and indicators."

Antrobus, P. (2005) Critiquing the MDGs from a Caribbean perspective 1, Gender & Development, 13:1, 94-104, DOI: 10.1080/13552070512331332280

"Nowadays because so many more women are educated and aware of that inequality is man-made, they are working and fighting for their rights, across the world. But there are still relatively few women in engineering, sanitation and design, who are knowledgeable about technical toilet standards."

Greed, C. (2014) Taking women's bodily functions into account in urban planning: Sanitation, toilets, menstruation and biological differences. In: EnGendering Cities; Designing Sustainable Urban Environments for All, Rome, Italy, 25-26 September 2014.

University of the West Indies (UWI) Engineering Enrollment

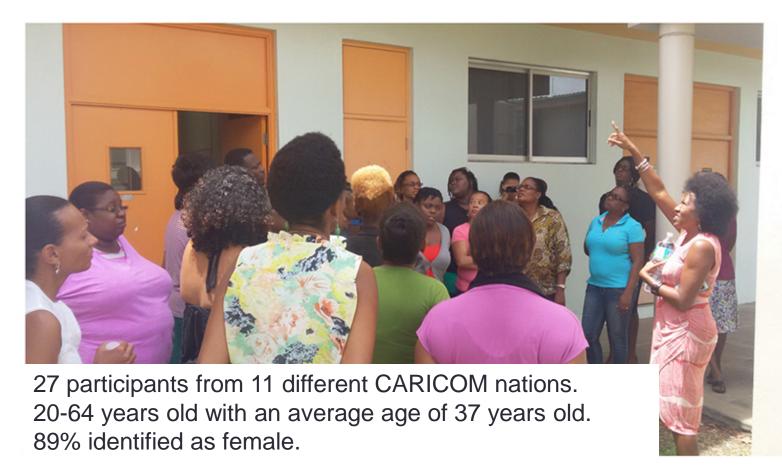


11th Caribbean Institute in Gender & Development CIGAD, July 2015



Ask me anything Submit About

Updates & participant submissions from the 11th cycle of the Caribbean Institute in Gender and Development which took place in Barbados in July, 2015.



Maya Trotz gets practical about "Women and Water".

^{— 1} year ago with 1 note
#cigad cigad2015 caribbean feminism caribbean feminism #submission

Water & Women: Gender sensitive 3 hr course introducing water discourse on sustainable development opportunities in the Caribbean

Goal

Introduce Caribbean
 women to water from an
 environmental
 engineering perspective
 that places them within
 the sustainable
 development discourse
 and funding mechanisms.

Learning objectives:

- describe the hydrological cycle and how your lives impact this process.
- discuss ways in which sustainable development intersects with you and water.
- describe a water opportunity to positively engage members of your community/circle.

MATERIALS & METHODS



Coconut	Instant ginger tea	Seaweed Dried
BOP	Jungle Salve	Shopping Bag
Bottled Water	Liquid Soap	Soap
Citronella Candle	Local Repellent	Soda
Coconut milk can	Mosquito Coil	Sorrell
Coconut Water	Mug	Styrofoam Cup
Compost Bin	Plants	Sugar cake
Ginger	OFF repellent	Water Bottle
Food scraps	Sanitary Napkin	Poster Boards, Markers, Post It Notes etc

Activity 1: The story of your objects with the terms water and women

- Each participant:
 - pick up 1 object from table
 - join a group randomly
 - create a story/poster with "water" and "women" based on objects
 - 1-3 minute group presentation
 - vote on posters

Activity 2: Sustainable development opportunity with terms water and women

- Each participant:
 - work in group with set objects
 - read about a sustainable development goal (SDG)
 - create a research/business opportunity based on objects
 - link opportunity to SDG
 - 3 minute group presentation
 - vote on posters

Activity 3: Outside tour to discuss hydrological cycle

2 participants in charge of documentation: 1 photographer & 1 videographer

ACTIVTY 1

Using randomly selected objects to make a story using the terms water and women

Water: the base of a woman's life

Items

Citronella Candle Mosquito Coil Sanitary Napkins Sorrel

Themes: Hygiene, Drinking



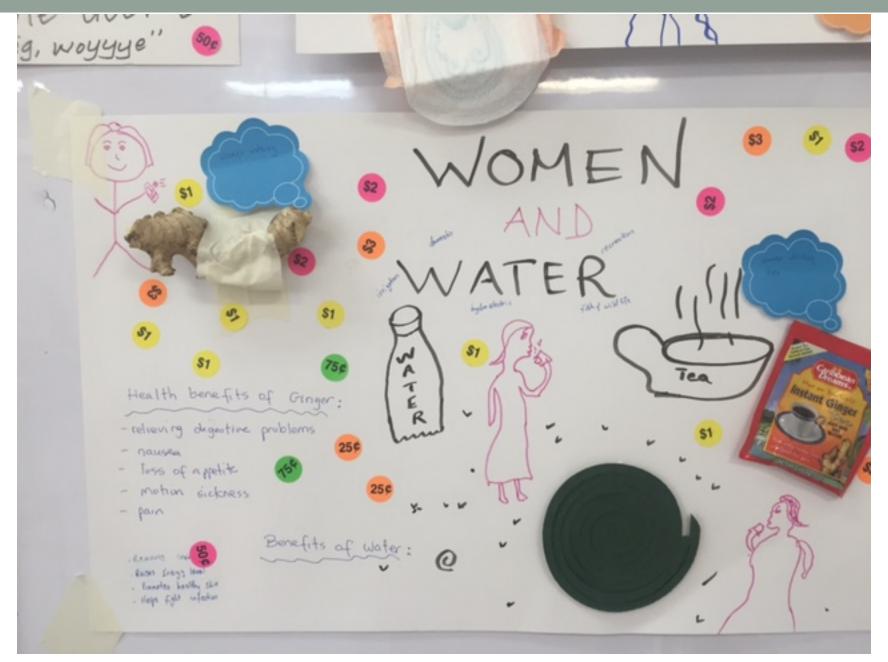


Titles, Objects, & Water Themes

Visit to Jungle	Women & Water	J'ouvert Morning	Water: The Base of a Woman's Life	Cocoye de Femme
OFF repellent Coconut BOP Jungle Salve Water Bottle	Coconut Water Ginger Instant ginger tea Bottled Water Mosquito Coil	Local Repellent Mug Compost Bin Soap	Sanitary Napkin Citronella Candle Sorrell Liquid Soap	Plants Seaweed Dried Sugar cake Food scraps Coconut milk can
Drinking Emergency Health	Drinking Energy Health Irrigation Manufacturing Recreation Socializing	Drinking Hygiene Recreation	Drinking Hygiene	Cooking Irrigation Entrepreneurship

J'Ouvert Morning Video

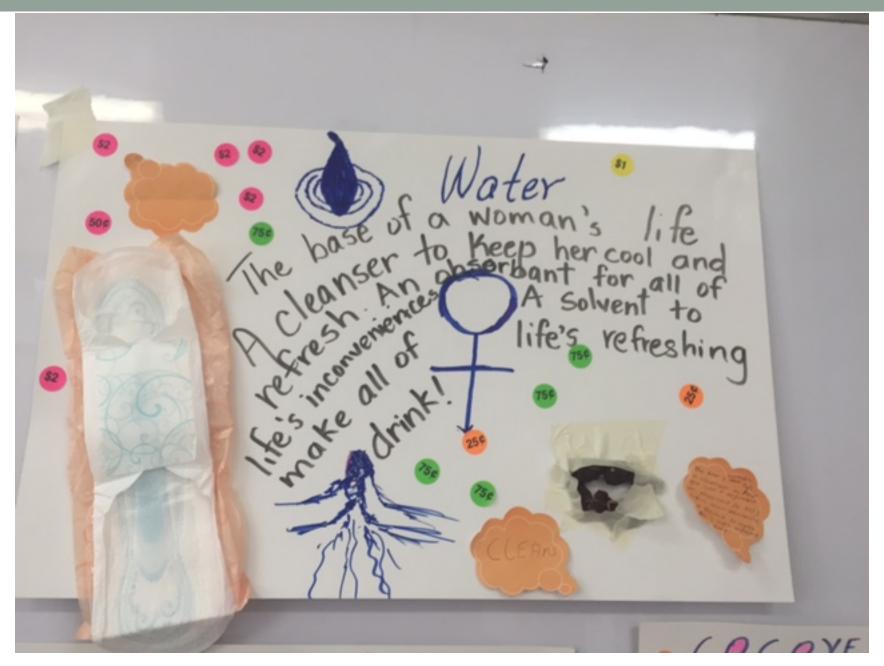
J'OUVERT MORNING The sweet sound of soca, "the water or unning-woyyye" woke me at 3 am. After a fruit salad, throwing the peelings in the compost bin, I took a shower with my "Carib" soapthinking of all the sweaty gres I will encounter. I got aressed then applied my All Natural Bug Repellent Cream. I grabbed my frosted mug of rum and coke and headed out the door to dancing to the sound of, "the water running, woyyye"



Visit to Jungles 1888.

*USE Insect repellent for 2 8 8 8 8 8 ·Bop insecticide for flyings · Walk with Water Container (Water was done) 3000 · Found a Coconut Tree We were thirsty the man Picked it a burst the Top and Pour them in the bottle. · While Exploring the Jungle we were able to see The Jack WSS Bitters tree We sow Rivers and streams. The insecticione Went into Corey Eyes and Trad the river

Cocoye de Femme Video SO COCOYE DE FEMME Using compost and seawerd, we, coconut ladies, nurture and fectilize our coconut plants. Water is essential to our growth process. Cocoye SWEET COCONETT BREAD



Environmental Engineering Feedback

Menstruation

 sanitation services, diva cup innovation to reduce waste & reduce cost to women

Insect Repellents

- cost of prevention & health care borne by households, many times women
- water and stormwater management to reduce mosquito breeding

Sargassum Seaweed

- local fertilizer/pesticide, but requires water to remove salt content
- efficient irrigation systems
- types of crops one would grow considering water, fertilizer, land space needs

ACTIVTY 2

Sustainable development opportunity with terms water and women

Sustainable Development Goals





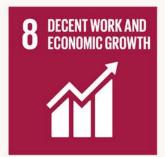
































Less Sugar Sweeter Life

Coconut Water Mug Water Bottle Styrofoam Cup Soda

> SDG 3 SDG 16



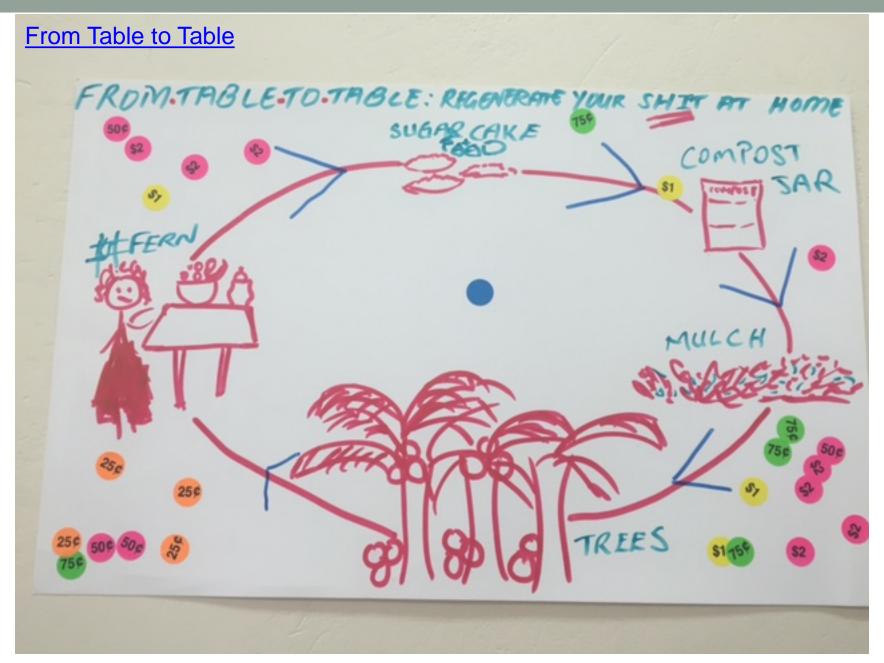


Titles, Objects, & Themes

Alternative of BOP, Coils & Other Insecticides	From Table to Table, Regenerate Your Shit at Home	Less Sugar Sweeter Life
BOP Citronella Candle Jungle Salve Local Repellent Mosquito Coil OFF repellent Soap	Coconut Compost Bin Food scraps Ginger Plants Seaweed Dried Sugar cake	Bottled Water Coconut Water Mug Styrofoam Cup Water Bottle Instant ginger tea
Clean Environment Health Natural Products Economic Growth	Food Security Nutrient Management Sustainable Economic Growth	Health Natural Products Economic Growth

Theecticide 18 9 3 coil other Clean Environment - FOR 2000 ex Empty Flower pot Prevention filluptyres Recycle/DIY
Bore holes in Cans. Coverdrum Natural Materials ex-Letton Grass - Green Limes 50 - Jackass bitters - Citronella Grass - Mosquito NETS (Moterials) Promoting Health & Water, Women) ex Chicken Gurya Develop ment DENGUE 8 51 88 88 Sustainable Economic Growth? Make dish Lemon Grass oil & Lemon ingridents water, Coconut oil & Grass - Make Coconut soap

PROJECT PROPOSAL Less SUGAR SWEETER Life" 1 GOAL. To build sus Tainable, peace-ful and healthy communities objectives Ensure all members of the community -15 Specifically women and children - enjoy healthy lives. Activities: 1) Raise awareness (PTA, etc) 2) Media campaign & 3) Interventions with policy-makers Budget: To be developed

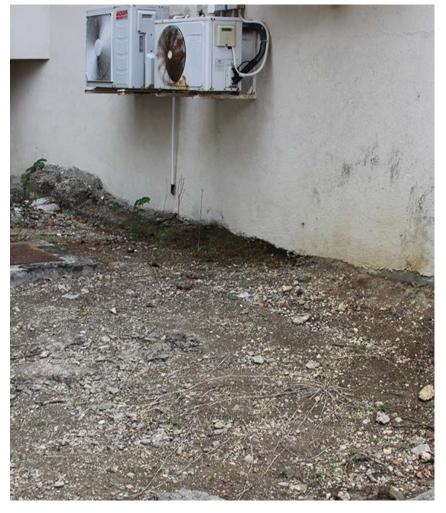


ACTIVITY 3

Outside tour to discuss hydrological cycle

15 minutes outside of classroom





Rainwater Harvesting Discussion

REFLECTIONS

3 hrs with non-engineering participants from 11 Caribbean countries

Activity 1

- Regardless of objects provided, participants produced stories that met objective and that addressed relevant topics like water scarcity
- Stories provided insight on language/culture for communication
 - music, movement, action, dance, double entendre

Activity 2

Participants developed many themes that fit with hot topics in sustainability

Activity 3

 Diversity in CIGAD useful in knowledge exchange of how water is managed in different CARICOM nations

Mainstreaming Gender in Water/Wastewater Sector Through CIGAD

- CIGAD cohort part of a longer & larger program
 - Certain level of comfort with working together & presenting to each other
 - How can this be programmed into utilities/organizations?
- Sharing course materials widely
 - Multimedia production
 - Social media integration
- Engineering/utility participation in CIGAD
- Gender integration & funding <u>Green Climate Fund</u>, <u>USAID</u>, <u>Caribbean Development Bank</u>, <u>IADB</u>

Women & the SDGs?

SDG 5: Achieve gender equality and empower all women and girls



Thank You!

Institute of Gender & Development Studies, Cave Hill

www.cavehill.uwi.edu/gender

Participants in #CIGAD2015

Melanie Grant – Videographer Alexa Hoffman - Photographer

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"Reclaim" is an initiative led by the University of South Florida Departments of Civil and Environmental Engineering, Anthropology, and Marine Science, to share news about joint research related to the reclamation of nutrient, energy, and water resources from waste.



