



THE CWWA INFOstructure

Caribbean Collaborations Unified Solutions

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CALL FOR ABSTRACTS

23rd ANNUAL CWWA CONFERENCE AND EXHIBITION

“Water Waste and Energy in the Caribbean”

October 6 – 10 2014

Atlantis Paradise Island (Kerzner) Resorts

Paradise Island, The Bahamas

Submittal Forms are available here

[Abstract Submittal Form 2014](#)

CONFERENCE OBJECTIVE

The 2014 Conference seeks to:

- examine the past and present aspects of the Caribbean’s water and waste sectors to determine the positions of the sectors for networking and resource development of successful endeavors;
- arrange for manufacturers, suppliers and distributors to display goods and services being currently offered to the industry;
- honour persons who have given distinguished service to the Caribbean Sectors

Authors wishing to present a paper should submit an abstract of not more than 500 words for consideration. Abstracts should be in English and contain a title, author’s name(s) and full contact details. Deadline for abstracts is June 30 2014. Successful authors will be notified by July 14th 2014. Full papers should be submitted no later than August 30, 2014. All papers will be published in the official conference proceedings. Please focus on applied research, case studies and lessons learnt.

The major 2014 CWWA conference thematic topic areas are:

- ❖ Distribution systems and plant operations - Water
- ❖ Collection systems and plant operations – Wastewater
- ❖ Solid Waste
- ❖ Policy, Legislative and regulatory, Public Affairs
- ❖ Financial Management
- ❖ Special Topics/Research and Development
- ❖ Water Quality/Water Resources



CARIBBEAN WATER AND
WASTEWATER ASSOCIATION

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SECTOR NEWS & OBSERVANCES

World Environment Day – WED

June 5



World Environment Day (WED) is the United Nations' principal vehicle for encouraging worldwide awareness and action for the environment. Over the years it has grown to be a broad, global platform for public outreach that is widely celebrated by stakeholders in over 100 countries. It also serves as the 'people's day' for doing something positive for the environment, galvanizing individual actions into a collective power that generates an exponential positive impact on the planet.

<http://www.unep.org/wed/about/#.U444w9GPLIU>

Building a Green Economy in Barbados: Maximizing Solar Energy

In Barbados, one of the major environmental concerns is the island's over dependence on imported fossil fuels. The Barbadian government's National Strategic Plan of Barbados for 2006-25 is designed to rectify this dependency by increasing the country's renewable energy supply, with a particular focus on raising the number of household solar water heaters by 50 per cent by 2025. Solar water heaters are now a widely used renewable energy technology in Barbados, with installations in nearly half of the island's dwelling units.

<http://www.unep.org/greeneconomy/SuccessStories/SolarEnergyinBarbados/tabid/29891/Default.aspx>

World Ocean Day – June 8



The concept of a 'World Oceans Day' was first proposed in 1992 at the Earth Summit in Rio de Janeiro as a way to celebrate our world's shared ocean and our personal connection to the sea, as well as to raise awareness about the crucial role the ocean plays in our lives and the important ways people can help protect it.

UNESCO's Intergovernmental Oceanographic Commission (IOC) sponsors the [World Ocean Network](#), which has since 2002 been instrumental in building support for ocean awareness events on 8 June.

The Oceans

The world's oceans – their temperature, chemistry, currents and life – drive global systems that make the Earth habitable for humankind.

Our rainwater, drinking water, weather, climate, coastlines, much of our food, and even the oxygen in the air we breathe, are all ultimately provided and regulated by the sea. Throughout history, oceans and seas have been vital conduits for trade and transportation.

Careful management of this essential global resource is a key feature of a sustainable future.

Read More here:

<http://www.un.org/en/events/oceansday/background.shtml>



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SECTOR NEWS & EVENTS



CaribDA
Caribbean Desalination Association

2014 Conference & Exposition
"Drought-Proofing the Caribbean"
24th - 27th June 2014

Registration is available:
www.caribda.com
772-781-8507

24th June 2014
Disinfection Solutions
Pre-Conference Workshop
Joint with CAWASA

Venue:
Frenchman's Reef & Morning Star Marriott Beach Resort
St. Thomas, USVI

Diamond Sponsors:





Supporting Affiliation



Photo Courtesy of the Frenchman's Reef & Morning Star Marriott

Training for Nevis workers on CDB-funded Water Supply and Enhancement Project commences



Minister in the Ministry of Public Utilities and Communication and Works Hon. Troy Liburd delivering remarks at the start of a one-week training session for field workers of the Nevis Water Department, their counterparts in St. Kitts and the Public Works Department on May 27, 2014 in preparation for civil works on the CDB-funded Water Supply and Enhancement Project on Nevis

CHARLESTOWN NEVIS (May 28, 2014) – One week of practical and theoretic training in preparation for the civil works of the Caribbean Development Bank (CDB)-funded Water Supply and Enhancement Project on Nevis, commenced on May 27, 2014, for field staff from the Nevis Water Department, their counterparts in St. Kitts and the Public Works Department, at the Emergency Operating Centre at Long Point. **Read more:** <http://www.nevispages.com/training-for-nevis-workers-on-cdb-funded-water-supply-and-enhancement-project-commences/>

SECTOR NEWS & EVENTS



2014 Global Water Partnership (GWP) Consulting Partners Meeting

The Global Water Partnership (GWP) Consulting Partners (CP) Meeting which is held each year in Stockholm, Sweden will for the first time take place in Port-of-Spain, Trinidad on **June 27th - 28th, 2014** at the Hyatt Regency Hotel. The theme of this year's Meeting is **“GWP Strategy Towards 2020: Addressing Thematic Issues.”**

The GWP Annual CP Meeting is a consultative approach in which Partners recommend actions to be taken, which is fundamental to the operation of the GWP network, which spans over 2,900 partner organisations in more than 180 countries.

GWP-C Partners that are interested in attending this Meeting are asked to visit the GWP-C website: www.gwp-caribbean.org to register.

GWP-IWC Masters Scholarships Now Open

GWP is currently collaborating with the [International Water Centre \(IWC\)](#) in Australia, offering full scholarships (tuition fees and living expenses) for two high calibre candidates from developing countries to study the Master of Integrated Water Management programme (MIWM) next year.

In line with GWP's gender strategy, the scholarships aim to build the leadership capacity of women in Integrated Water Resource Management (IWRM) and through doing so, to improve the implementation of IWRM in the home nation of the scholars.

Read more about the programme and find instructions on how to apply:

<http://www.gwp.org/en/gwp-in-action/News-and-Activities/GWP-IWC-Masters-Scholarships-now-open/>

Deadline for applications: 1 August 2014.

CARIBBEAN ISLANDS AGREE TO SWAP DIESEL FOR RENEWABLE SOURCES

Seven Caribbean nations committed to give up fossil fuels in favor of renewable power as part of the Carbon War Room's Ten Island Renewable Challenge.

The British Virgin Islands, Colombia, Dominica, St. Kitts & Nevis, St. Lucia, and Turks & Caicos joined Aruba in the campaign with Grenada joining several weeks later. The islands made the commitments at Creating Climate Wealth (CCW) Necker, the recent Summit and workshops where several nations also pledged to undertake individual projects to make schools, hospitals, and components of other sectors more efficient and less reliant on fossil fuels.

CCW Necker was held by the Carbon War Room and Rocky Mountain Institute on Sir Richard Branson's private isle, which will serve as a demonstration site for the Ten Island Renewable Challenge. NRG Energy won the contract to develop a renewables-driven micro-grid on Necker Island to satisfy 75% of its energy needs through solar, wind, and battery technologies, Sir Richard and Virgin Limited Edition revealed at the Summit.

"What we hope to do is use Necker as a test island to show how it can be done," said Sir Richard, who is the founder of the Virgin Group and a co-founder of the Carbon War Room. "The only way we're going to win this war is by creative entrepreneurship," to make the price of clean energy cheaper than that of energy from fossil fuels.



From left to right: Deputy Premier Dr. the Hon. Kedrick D. Pickering, MHA, of the British Virgin Islands; Minister Hon. Rayburn Blackmoore of Dominica;

Minister Sen. Hon. Dr. James Fletcher of St. Lucia; Prime Minister Hon. Dr. Kenny Anthony of St. Lucia; Sir Richard Branson, Founder of Carbon War Room;

Prime Minister Right Hon. Dr. Denzil Llewellyn Douglas of St. Kitts & Nevis; Ambassador H.E. Dr. Ethelstan Angus Friday of Grenada;

Minister Hon. George Lightbourne of the Turks & Caicos Islands; H.E. the Governor Peter Beckingham of the Turks & Caicos Islands;

Minister Sen. the Hon. Simon Stiell of Grenada

WATER FOOTPRINT ASSESSMENTS

THE CONTEMPORARY CONSERVATION TOOL

by SARA-JADE GOVIA

Water conservation is a critical element in managing water availability for the global population. It can take many forms provided that the volume of water used is reduced for the specific activity.

Calculating that reduction requires quantification of the total volume of freshwater used for the specific activity. This quantification can be referred to as the Water Footprint. The concept of a water footprint as explained by Mekonnen & Hoekstra (2011), refers to the total volume of freshwater used to produce goods and services used by an individual, community or industry¹.

The advantage of computing the water footprint of a product/service is that water consumption along the entire supply chain is incorporated. The water footprint concept also integrates water use and water pollution by differentiating consumption by source and pollution by type. Water resource practitioners familiar with water footprint accounting characterise the 'blue, green and grey water footprint' of a product/service.

The blue water footprint represents water used from surface or groundwater resources, while the green water footprint gives an indication of water consumed directly from rainwater. The difference between the blue and green water footprints is necessary when comparing the environmental and socio-economic impact of surface and groundwater production against that of harnessing rainwater. Alternatively, the grey water footprint accounts for water pollution and the volume of water required to dilute the pollution discharge across the supply chain of the specific product/service².

Water footprint assessments is certainly not as straight-forward as the term suggests. However, it provides the opportunity to comprehensively examine the impact of various products and services on natural water resources. Calculating the water footprint also facilitates the determination of water use efficiency and water wastage of an individual, community or business, based on the products/services it utilises.

Read full article here:

<http://www.cwwa.net/home/images/water%20footprint%20of%20products%201-sara%20jade.pdf>



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[The Ugly Truth about Garbage and Island Biodiversity](#)

This year International Day of Biological Diversity (22 May) focuses on islands. Bradnee Chambers, Executive Secretary of the Convention on the Conservation of Migratory Species of Wild Animals discusses the impact of the growing problem of marine debris on islands' wildlife and the economic and environmental consequences.

Some of the Earth's most delicate tropical paradises are being disfigured by the by-products of the modern age - marine debris: plastic bottles, carrier bags and discarded fishing gear. Just a tiny fraction of this originates from the islands themselves - most is generated on land and enters the sea through the sewers and drains; the rest comes from passenger liners, freighters and fishing vessels, whose crews often use the oceans as a giant waste disposal unit. While much of the garbage sinks, some of it joins the giant gyres where the currents carry it across the globe.

Small Island Developing States (SIDS), recognized as a distinct group of nations by the UN Conference on Environment and Development in 1992, lack the space to dedicate to landfill sites and do not have the resources to deal with the huge problem of marine debris that is being washed up on their doorstep - as the tides and currents wash the accumulated marine garbage onto their beaches. Domestically, they can take steps to ensure that they do not add to the problem - American Samoa for instance has banned plastic bags - but the "polluter pays" principle would require that those responsible for producing the waste should be made responsible for disposing of it properly.

Extract: <http://www.ipsnews.net/2014/05/op-ed-ugly-truth-garbage-island-biodiversity/>

We'd love to hear from you

CWWA INFOstructure Newsletter

is a monthly publication

Look out for more exciting
articles in our June Issue

- ◆ Update on Water Utilities
- ◆ Training and Workshops
- ◆ Networking and Collaborations

Happy Reading!

Contact Us

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