

**31<sup>st</sup>**   
Annual Conference  
& Exhibition



# CALL FOR PAPERS

17 - 21 OCTOBER 2022

THE BAHAMAS



**Cyprian A. Gibson**  
**The Bahamas Conference Chair**  
**CWWA Past President 2008-2010**

## **Recovery and Evolution: Regional Actions for Global Sustainability in the Water & Waste Sectors**

On behalf of the 2022 Conference Planning Committee we extend to you our warmest invite to join us in the Bahamas at the 31st International Caribbean Water and Waste Conference under the Theme:

### **Recovery and Evolution: Regional Actions for Global Sustainability in the Water & Waste Sectors**

We are all aware, that the Caribbean, along with many other Small Island Developing States (SIDS) throughout the world are highly vulnerable to climate change. This is no longer a theory, but a manifested reality. Many of our nations have faced shocks in the past, and are now experiencing increased threats. These are the existential realities that we now face as a result of Climate Change.

## **Invitation from the Chair of the Bahamas Local Organizing Committee**

### **We have no choice but to Recover and Evolve!!!!**

The good news is that we have remained resolute, despite the many challenges over the years. One of the greatest global successes to date that has been led by Small Island Developing States has been our Global Campaign of "1.5 to Stay Alive", at COP 21. This was a good start, but as the threats and resulting shocks continue to intensify, so must our efforts.

Our experience in the CWWA alone spans some 30-plus years, and we continue to have great examples of recovery, and lessons learned from both our failures and success. We must also continue to build on the many partnerships that have helped to keep us alive and ensure that these evolve into increased action for regional and global resilience for SIDS everywhere.

Please join us in the Bahamas as the CWWA seeks to do even more, by sharing, collaborating, and **taking actions** at the Individual, Local, National, Regional, Intra- Regional and Global Levels to ensure real Sustainability for our world!

# Key Dates

- A. 30th May 2022: Deadline Call for papers (max. 1 A4 page) submission
- B. 17th June 2022: Notification of acceptance of abstracts
- C. 5th August 2022: Deadline for Full paper submissions
- D. 6th-21st August 2022: Peer-review of full papers
- E. 22th August 2022: Feedback (if any) on full paper submission
- F. 5th September 2022: Submission of PowerPoint presentations and digital poster files (to be included in the online pre-print proceedings)
- G. 1st June 2022: Opening of general registration
- H. 15th June 2022: Super early bird (registration for authors)
- I. 15th August 2022: Submission of full papers (only oral presenters)

# Sponsorship Opportunities

The CWWA Conference and Exhibition partners with some of the Caribbean water and waste sector's leading companies, organizations and agencies. The benefits to each sponsor, exhibitor and partner have lent themselves to longstanding support for the work of the CWWA, with marketing opportunities, tradeshow presentations and overall discounts for those who are members. The connections, business ventures, marketing and advertising boost and general return on investment through this unique conference are well established.

If you are interested in sponsoring our 2022 Conference or having a stand in the Exhibition (both in-person and/or virtual), please check our sponsorship and exhibitor benefits packages.

To book, please contact: [Ms. Nadia Newbold](#)

Email: [cwwaconference2022@gmail.com](mailto:cwwaconference2022@gmail.com)

# We Invite you to Submit an Abstract

The benefits of presenting your work at this regional conference, are vast! The level of exposure to a global audience and international networking will enhance your career and boost you into new possibilities! Additionally, all properly submitted papers presented this year will be combined and published as Conference Proceedings to be circulated throughout the CWWA membership and added to the CWWA website.

The technical programme for our 31st Conference and Exhibition takes on a hybrid setup and consists of PowerPoint presentations, poster presentations, panel discussions, and roundtable discussions. All abstracts will be included in our annual conference magazine circulated in hard copy during conference week to conference delegates and hosted on our Whova platform for our online viewers.

This year, posters are included as an option! Either alongside your PowerPoint presentation or standalone. Note: full paper submissions are required for both posters and presentations. Selected posters will be on display for the duration of the conference.

**We invite you to submit an abstract on one of the sub-themes outlined in section 9. The deadline for Abstract Submission is May 30th, 2022.**

**[CLICK HERE FOR THE ABSTRACT SUBMISSION FORM](#)**

·Abstracts will be accepted for oral or poster presentations and shall be limited to a maximum of 300 words (no images or tables). This abstract should include 1) the overall purpose of the study and the research problem(s) you investigated; 2) the basic design of the study; 3) major findings or trends found as a result of the work done.

·The final submission deadline for full papers is 5 August 2022. Submissions will be peer-reviewed and authors will be notified of decisions on their paper following the final meeting of the Technical Committee on 21 August 2022.

# Guidelines on Presenting

## Oral Presentations

1. All oral presenters have a total of 30 minutes of presentation time
2. The first 15-20 minutes consist of presentation with 10-15 minutes of question & answer
3. All presenters are to be present at their rooms 15 minutes before their presentation
4. Presentations will be uploaded and sequenced following the Technical Schedule
5. Presenters are encouraged to bring their laptop and a USB drive with their presentation to the room as a backup.
6. Since your computer may have sophisticated fonts (such as special equation symbols) that the conference computers may not have, it is suggested that when you save your PowerPoint presentations, use "Save As" from your "File" pull-down menu. When a dialog box pops up, click on the "Tools" menu on that dialog box and select "Save Options". Then, check the option "Embed true type fonts". Click "OK" and then click "Save". This allows you to include the fonts you are using in your presentations to minimize the font incompatibility problems. Otherwise, any fonts that are not recognized by the conference computers will be incomprehensible. In addition to the default ".pptx" file format, we suggest that you also save a copy of your presentations in the ".ppsx" (PowerPoint Show) format (the ".ppsx" version may also include some of the special fonts in your presentations).
7. If you have a full version of Adobe Acrobat, we suggest you also save (or print) your presentations into a ".pdf" format and thus you will be able to use the free Adobe Reader software to present in case nothing else would work.

## Good Practice

1. Show no more than 1 slide per minute of speaking time. This means approximately 12-15 slides MAXIMUM for the 15 minutes presentation at the conference. Try not to rush through the end if you are running out of time as it takes away from the impact of the presentation
2. We recommend a presentation format of 16:9
3. Make the letters on your slides large enough to be seen comfortably by your audience.
4. Avoid extensive tabulations of numerical data and limit equations to those for which the terms can be properly defined.
5. Make sure your audience becomes familiar with the data being presented; take time to explain graphs and charts.
6. Include only information or data that can be properly explained in the allotted time.
7. If a question requires a lengthy reply, suggest that you and the person asking the question meet after the presentation. Then take the discussion out of the meeting room.

## Poster Presentation

1. Please use the **template** provided to build all posters
2. Rule of thumb for font sizes: Title 72-120; Subtitle 48-80; Section Headers 36-72; Body Text 24-48.
3. Be consistent.
  - i. Keep consistent margins.
  - ii. Keep line spacing consistent.
  - iii. Keep the color, style, and thickness of borders the same.
  - iv. Keep shading consistent.
4. Pick not more than 2-3 fonts and 2-3 colors
5. Make sure ideas flow logically from one section to the next.
6. Use charts and graphs to illustrate data (avoid large tables of raw data).
7. Use high-resolution photographs (web images often will not work). The resolution of images should be more than 150 dpi.
8. Remember to caption images, tables, etc. for clarity
9. Test readability
  - i. The title banner should be legible from 20 feet away.
  - ii. Body text should be legible from 6 feet away.



# Procedure for Paper Submission

Please follow the steps below for your submission of your full technical paper:

1. You are asked to submit a full paper, whether you intend to give an oral or poster presentation.
2. The maximum length of your full paper is to be 3 pages (letter size) of text, plus 2 pages (letter-sized) of figures, tables and references.

[Check our Conference site for the full paper template.](#)

3. All submissions must include:

- A title that clearly expresses the subject of the paper
- All authors' names and affiliations
- Contact information (name, designation, email address, postal address, and phone number) of the corresponding author



- Type of presentation (oral or poster presentation)
- Theme of your presentation
- Short abstract summarising, which should not exceed more than 10 lines
- No more than two letter-sized pages of an outline paper that must contain adequate information to allow a sound review: an introduction, concise details of methods and results, and conclusions.

The conference is expected to showcase novel, technically sound and correct, nicely described and high standing work within the scope of the conference theme and the sub-theme of choice. International ethical standards must be adhered to and work must be original.

All papers are to be submitted to: **cwwa2022papers@gmail.com** by the submission deadline.

# CWWA Technical Sub-themes 2022

## **I. Regional Disaster Preparedness and Climate Change**

- a. Climate change, resilience and adaptation
- b. Drought Management and Planning
- c. Flood warning and early warning systems
- d. Emergency Response Planning for Hurricane Season
- e. Building Hazard Resilience and Water Security
- f. Recovery, Repairs, Loss and Damage

## **II. Emerging Issues in Water and Waste**

- a. Business Continuity Planning in the aftermath of Covid-19
- b. Medical Waste Disposal
- c. Emerging water quality challenges with plastics, microplastics, pharmaceuticals and other contaminants
- d. Natural Based Solutions and Green Infrastructure
- e. The use of Renewable energy in water, waste and the near-shore environment
- f. Digitization, Cloud Database Management and Information Systems
- g. New Technology and Equipment driving positive results

## **III. Connecting to the Nearshore, the Marine Environment, and the Blue Economy**

- a. Desalination and Membrane Technology
- b. Changing seawater conditions and brine disposal
- c. Integrated Coastal Zone Management
- d. Sustainable development of the Blue Economy
- e. Sargassum: from problem to solution
- f. Water, Waste and the Environment

## **IV. Water Sourcing to Supply**

- a. Water Source Protection
- b. Groundwater Exploration and development
- c. Water Resources Management and Planning, and IWRM
- d. Innovations in Water and Wastewater Treatment
- e. Wastewater Recovery
- f. Water quality management
- g. Non-Revenue Water

## **V. Waste Disposal and the Circular Economy**

- a. Waste as a "problem" to Waste as an emerging resource and energy
- b. Waste sorting, treatment and disposal
- c. Application of digital technology in waste management
- d. Waste Management and Climate Change
- e. Minimizing waste generation and rethinking product design for the Circular Economy
- f. Transitioning from brown to green economy
- g. Digital Waste

## **VI. Leadership and Finance for Global Sustainability in the Water and Waste Sector**

- a. Water and Waste Legislation and Regulations
- b. Leadership and Governance
- c. Finance, Tariffs, and Partnerships
- d. Policy development
- e. Institutional Strengthening
- f. Enterprise Risk Management

## **VII. The Water and Waste Sectors and People**

- a. Communication Management through traditional and social media
- b. Marketing and Advertising for the Sectors
- c. Industrial and Employee Relations within the Sectors
- d. Customer Service Management
- e. Gender Mainstreaming in the Sectors
- f. Vulnerable communities and people