

# 7th JSWA/EWA/WEF Specialty Conference “Resilience of Water Service”

Sendai, Japan

15<sup>th</sup> – 17<sup>th</sup> November 2022

(Updated, Jan 31 2022)

**Abstract deadline: March 15**



**Photo credit to the City of Sendai.**

1. Minami-gamo WWTP rebuilt in 2016
2. Tsunami strike to the WWTP in 2011

## **3rd Announcement and Call for Abstracts 7th JSWA/EWA/WEF Specialty Conference “Resilience of Water Service”**

Sendai, Japan, 15<sup>th</sup>-17<sup>th</sup> November 2022

*“11<sup>th</sup> memorial year of Great East Japan Earthquake”*

**Organized by:**

Japan Sewage Works Association, European Water Association, Water Environment Federation

### **Conference Description**

In order to be sustainable, water services need to be resilient to manage acute and chronic disruptions. Natural and anthropogenic challenges include floods, earthquakes, refugee and evacuee influx, droughts, sea level rise, climate change, shrinking customer base, energy crisis, changing workforce, aging infrastructure, and pandemics. This 7<sup>th</sup> edition of the JSWA/EWA/WEF specialty conference will explore ways to make water services more resilient. JSWA, EWA, and WEF have identified four principal themes for the conference to cover the topic of water sector resilience. The sessions and individual presentations grouped in these themes will be aligned to the U. N. Sustainable Development Goals (SDGs), as well as highlight water related refugees and evacuees’ issues plus pandemic responses. For more information about the SDGs, please visit <https://sustainabledevelopment.un.org/sdgs>. We will also consider abstracts on related themes, as long as water service resilience is addressed. The intention of the program is to share experiences from across the world covering: real life examples of lessons learned from major events, innovative technologies and practices, and technical-scientific research which strengthens resilience of water services.

#### **Important Dates:**

**15-16 November: Technical Sessions**

**17 November: Facility Tour and Cultural Excursion**

### **General Information of Sendai City**

The conference is held at Sendai International Center, (<http://www.aobayama.jp/english/>), in Sendai City, Japan. Sendai City is located in the

northern part of Japan approximately 300 kilometers north of Tokyo. Sendai has a population of one million and is the political and economic center of Japan’s Tohoku region.

The conference organizers chose Sendai for its history of being a water resilient city. 2021, the year the specialty conference was originally scheduled to take place prior to the global pandemic, marked the 10<sup>th</sup> anniversary of the 2011 Tohoku earthquake and tsunami which affected the city of Sendai.

Please note Sendai City is as safe as other cities in the world in terms of radioactive pollution according to official monitoring data. <https://www.japan.travel/en/news/post-2011-3-11-general-information/>



## Conference Themes

### ***Theme 1: Resilience at all aspects***

Topics on resilience of water services as a response to aging infrastructure, climate change, extreme natural events, water shortage, sludge management, changing workforce, and dwindling funding resources. While water is a key component in virtually all 17 SDGs, water resilience is directly linked with Goals 6, 9, and 11.

### ***Theme 2: Resilience of water services for refugees and evacuees***

Political instability and extreme natural events have led to many refugees and evacuees in the world. Providing adequate sanitation service to refugees and evacuees is an obligation for human rights. Provision of water services for political/economic refugees and disaster evacuees ranging from strategy, innovation, to real life experience relate to SDGs 1, 3, 13 and 16.

### ***Theme 3: Smart water strategies to strengthen resilience***

Development and application of smart water technologies is a continual hot topic for innovation. Big data, machine learning, real time control, IoT for better operation & maintenance of facilities, are some of the topics for intelligent infrastructure and innovation, relate to SDG 9.

### ***Theme 4: Lessons learned from real life disruptions***

Sharing the lessons learned from real-life events, both positive and negative, provide practical insights. Case studies are requested addressing emergency response and subsequent recovery to unexpected events such as blackouts, sinkholes, spills, earthquakes, typhoons, hurricanes, facility failures, and pandemics.

## Abstracts

The authors are requested to describe how their presentations and papers help in the achievement of the SDGs. Please provide an abstract structured with the following order: Title; Authors and Affiliations; Keywords (maximum of 5); Abstract text. Abstract texts are limited in length to 500 words. The word count does not include graphics, tables, references, or sources. Authors of accepted abstracts who do not submit the final papers by the due date will be replaced on the program. The leading authors (who will present the papers at the in-person conference) will be responsible for paying their own travel expenses and social event fees for the conference. Please complete the abstract form attached at the end of this document and email it to the conference secretariat by 8th February 2022, to be considered for the conference.

## Conference Format

The conference will be held in person and digitally. All the presentation videos will be uploaded on the web one month after the in-person conference. The pre-registered audiences and speakers can post their questions on a SNS platform for one month. Then, all the videos will be open to members of JSWA, EWA, and WEF for thirty days. Later, all the videos will be removed from the web. The conference proceedings will be available digitally for the speakers, pre-registered audiences, members of JSWA, EWA, and WEF at no charge.



## Speaker Requirements

- Japanese residents are requested to speak in person.
- Non-residents can speak either in person or on video.
- Video speakers are required to submit their presentations and answer questions posted by pre-registered audiences on a SNS.
- Speaker registration is offered at no charge.

## Conference Key Dates

- Official presentation of the conference concept and call for abstracts: EWA Council Meeting 2020, 7th September 2020, online
- Start of call for abstracts: 7<sup>th</sup> September 2020
- Abstract submittal deadline: 15<sup>th</sup> March 2022
- Notification of abstract acceptance: 7<sup>th</sup> April 2022
- Submission of full papers: 6<sup>th</sup> July 2022
- Submission of PowerPoint presentations or presentation videos: 14<sup>th</sup> October 2022
- End of audience registration: ditto
- Session dates: 15<sup>th</sup>-16<sup>th</sup>: November 2022
- Upload of presentation videos: 16<sup>th</sup> December 2022
- End of acceptance of questions: 23<sup>rd</sup> December 2022
- Start of JSWA, EWA, and WEF members' access to videos: 17<sup>th</sup> January 2023
- End of access to videos: 17<sup>th</sup> February 2023



## Conference Chairs

The JSWA President - The EWA President - The WEF President

## Conference Technical & Scientific Committee

**Chairpersons:** Masahiro Takahashi (JSWA) –Fabio Tatano (EWA) – Bipin Pathak (WEF)

**Members:** Hiroki Itokawa (JSWA), Hiroyasu Sato (JSWA), Hiroyuki Fujimoto (JSWA), Yosuke Matsumiya (JSWA), Iva Vidakovic (EWA), Jiri Wanner (EWA), Patrick Willems (EWA), Silvio Beier (EWA), Houssam El Jerdi (WEF), Justin Waples (WEF), Marianne McDonald (WEF), Samendra Sherchan (WEF)

## Proceedings & License Authorization

Accepted papers that have been presented at the conference will be published in the digital proceedings of the event. The proceedings will then be uploaded at the conference official website with password protection. The speakers are requested to issue the “Letter of Authorization” for granting a free license of the papers to the organizers.

## **Audience Registration**

Any water professionals and students can participate in the conference at no charge either in-person or digitally. If you wish to join, please send an email with your name, affiliation, phone number, and choice of participation mode to the conference secretariat for further communication.

## **Facility Tour & Cultural Excursion**

Facility tour and cultural excursions are offered. The venues are listed below and transportation will be available.

- 1 Minami Gamou WWTP; Restored after tsunami devastation
  - 2 Arahama Elementary School; Ruins of earthquake
  - 3 Matsushima Bay; Japan's one of three most scenic views
  - 4 Zuiganji Temple; Zen temple with a national treasure
- If you wish to join, please contact the conference secretariat.

**Conference Website:** <https://www.jswa.jp/en/jswa-en/>

### **Conference Secretariat /Submission of Abstracts:**

Kaori Takamiya Email: [kokusai@ngsk.or.jp](mailto:kokusai@ngsk.or.jp)

### **Technical-Scientific Information:**

Yosuke Matsumiya, Director of International Division

E-mail: [y.matsumiya@ngsk.or.jp](mailto:y.matsumiya@ngsk.or.jp)

Japan Sewage Works Association (JSWA)

## Abstract Submission Form

Presentation Title:

Leading Author (Speaker):

Affiliation (Organization / Company):

Presentation mode :  Will speak in person if I can enter Japan without quarantine.  
 Will send my presentation video.

Postal Address (Street or P.O. Box City / State or Province / Zip / Country) :

Phone:

Fax:

E-mail:

Co-author Information

1.

Name:

Affiliation (Organization / Company):

2.

Name:

Affiliation (Organization / Company):

3.

Name:

Affiliation (Organization / Company):

Please add if you have more than three co-authors.

Suggested Theme (1, 2, 3 or 4):

**Please fill out this form and submit it with your abstract to [kokusai@ngsk.or.jp](mailto:kokusai@ngsk.or.jp) by 15<sup>th</sup> March 2022.**

**Click the link to get this form in Word file:**

<https://www.jswa.jp/en/jswa-en/pdf/AbstractSubmissionForm.zip>

