**Global Water Security Issues (GWSI)**

**Call for Papers and Proposal Form**

***2019 Theme: Water reuse within a circular economy context***

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| **The ‘Global Water Security Issues (GWSI) Paper Series’ will be co-published by UNESCO Headquarters and UNESCO i-WSSM on an annual basis. The selected papers will be published as part of the ‘Global Water Security Issues (GWSI) Paper Series’~~.~~**  |

**CALL FOR PAPERS**

UNESCO i-WSSM invites researchers from international organizations, government agencies, research institutions, not-profit institutions, and the private sector to submit proposals for the ‘GWSI Paper Series’ on water security and Sustainable Development Goals. The selected papers will be published as part of the ‘GWSI Paper Series’ of UNESCO i-WSSM and UNESCO Headquarters. Authors of chosen papers will be invited to present their work at an international event, such as the Korea International Water Week (KIWW) or the XVII World Water Congress in May 2020. **The selected paper shall be original, high- quality work not previously published.**

Proposals are due by August 23, 2019. Successful authors will be notified by September 6, 2019 and full first draft papers will be due by October 25, 2019. Authors will be requested to respond to editorial review comments in December and peer review comments by February 21, 2020.

GWSI papers will need to meet the following requirements:

* **Topics**: Papers should address a topic within the Water Security theme (see the Proposal Template following)
* **Content**: Papers should include the content identified in Section 2 Content, following.
* **Case Study**: Papers are strongly encouraged to include details of one or more practical and successful case studies.
* **Environmental and socioeconomic settings**: Papers may be tailored to specific environmental and socioeconomic settings or they may be broadly applicable; in any case, linkages to policy issues and/or key policy decisions should be included.
* **Languages**: Proposals and papers must be submitted in English.
* **Format**: The final paper should be at least 20-pages and not exceed 30 pages of double-spaced text, including all images and references.

**Interested parties should complete the Proposal Template following.**

**1. BACKGROUND**

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| Over the years ‘Water Security’ has attracted international attention since the UNESCO International Hydrology Programme (IHP) placed an emphasis on ‘Water Security’ during its 8th phase, being implemented between 2014-2021, in line with the eight-year Medium-term Strategy of UNESCO (2014-2021). According to the World Bank, securing water is essential to achieve the Sustainable Development Goals, and goes well beyond water access and sanitation. Surprisingly, though, a variety of topics regarding water security have not been extensively researched internationally. As such, there is an urgent need to conduct research on emerging and future global water security issues in the context of the Sustainable Development Goals and to document these studies. **Objectives** The main objective of the ‘GWSI Paper Series’ is to document emerging water security-related issues and analyses, by co-publishing with distinguished researchers from relevant organizations and providing starting points for discussion on a range of issues that collectively fall under the umbrella of water security, identifying the present issues, broadening discourses, bringing regional cases to the centre, and sharing diverse perspectives, in connection to the Sustainable Development Goals. The specific objectives of the papers include: * To share research and studies on similar topics in order to strengthen cooperation among researchers engaged in the water sector internationally
* To encourage and enhance research on water security-related issues
* To identify solutions for improving global water security-related issues, and
* To contribute towards achieving water security in the long-term.
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**2. CONTENT**

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| The paper should include:* Background information for an informed but non-expert reader
* Definition of key terms
* Key questions addressed and scope of the paper
* Methodology
* Case Study synopsis
* Discussion, including the impacts and risks identified by your research
* Policy implications and, as appropriate for the paper, recommendations or next steps
* Figures, drawings and photographs suitable for publication.

 Refer to the themes on the **Proposal Template** (following). Other related topics may be acceptable with written justification (submitted as part of the completed Proposal Template). **3. SUBMISSION PROCESS** Proposals for papers must be submitted using the Proposal Template, following. **Please email the completed Proposal Template to m.trudeau@iwra.org**. The scheduled dates for proposal selection and paper review are: * By **23rd August 2019,** researchers interested in submitting papers should send a completed proposal template. The proposals will be blind-reviewed by a selection committee which will judge proposals based on their quality, relevance, and substance.
* By **6th September 2019** the submitter of each proposal will be informed of the selection committee’s decision.
* By **25th October 2019,** the researchers of the selected proposals should submit the first draft of papers to the International Water Resources Association (IWRA), which will be receiving them on behalf of UNESCO i-WSSM.
* Draft papers will be peer reviewed through a process established by the International Water Resources Association; authors will be requested to respond to comments by an editorial board (within 4 weeks of receiving comments) and to peer review comments (within 4 weeks of receiving comments).
* By **21st February 2020,** final full papers should be submitted to the International Water Resources Association.

 Up to 20% of the GWSI Paper Series may consist of papers on topics identified by authors that are relevant to the theme but that have not been specifically identified in the topic choices of the Proposal Template. Proposals on topics identified in the Proposal Template will be given preference during the selection process. |

**PROPOSAL TEMPLATE (Due by email to m.trudeau@iwra.org by 23 August 2019)**

Please complete this Proposal Template to express your interest in preparing a paper for the Global Water Security Issues (GWSI) Paper Series.

**※ According to the UNESCO Publication Board, UNESCO's global priorities on Africa and Gender Equality should be ensured during the publication process. These priorities will be taken into account during the proposal selection as well as during manuscript reviews. Proposals with these priorities will be preferred during the selection process.**

**All fields marked with an asterisk (\*) are mandatory.**

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| 1. **Choose the theme\*** (Check more than one box if applicable)
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| **Water Reuse within a Circular Economy Context** |
| Advanced Technologies and Innovation | Water Reuse Optimization | Other Resource Recovery | Supporting Systems | Specific Challenges |
| □ The state-of-the-art and future technology trends in Water Reuse and Resource Recovery□ Membrane, RO and FO technologies based on successful case studies□ The role of scientific innovation and technology in clean water and water security especially for increasing water security of Developing countries□ Innovations in urban water reuse | □ Small- & dwelling-scale approaches  □ Community-scale centralized and decentralized approaches □ Agricultural and industrial applications □ Matching water quality to use □ Pollution prevention, water storage and other techniques to optimize water reuse  | □ Recovery and reuse of nutrients from wastewater/ process water □ Recovery and reuse of other materials from wastewater/ process water □ Energy recovery or savings through water reuse  | □ Partnering agreements, finance, investment, policy, and pricing to promote water reuse and circular economy□ Watershed management, community planning, land use practices to optimize waster reuse □ Economic drivers, incentives & overcoming institutional barriers to water reuse and resource recovery □Regulatory measures to ensure that quality of water discharged is suitable for reuse, including regulation to protect public health  | □ Addressing potential public health concerns□ Trace contaminants or emerging substances of concern □ Public perceptions, participation, and education to optimize water reuse □ Environmental risks and unintended consequences □ Financing for strengthening water reuse□ Putting the NEXUS approaches into practice: Economy and policy incentives□ Linking science and technology for managing water reuse challenges |
| **If you do not choose one of the topics above, provide a description of your proposed theme and the rationale for its inclusion as part of the overall theme *Water Reuse within a Circular Economy Context* (50 words)** |
| 1. **Main and specific objectives (50 words)\***

Describe the main objective of the paper and specific objectives/questions to be addressed |
| 1. **Background/rationale and context (150 words)\***

Describe the background, context, rationale and related environmental and socioeconomic settings; briefly describe case studies |
| 1. **Expected outcome (100 words)\***

Outline the key expected outcome of the paper and how it can contribute to water security and UNESCO i-WSSM |

**4. AUTHOR**

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| **Title\*** □ Mr. □ Ms. □ Prof. □ Dr. |
| **First Name\*** |  | **Last Name\*** |
| **Organization/Affiliation Name\* :** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Co-author(s) name(s) and affiliation(s)\* :** |
| **Type of Organization\*****□** Government/Local government □ International Organization □ Public Corporation □ Academia, Research Institute**□** Industry (Enterprises, etc.) □ CSO (Civil Society Organization, NGO) □ Other ( ) |
| **Country\*** | **Telephone\*** (Country Code-Area Code-Number) | **E-mail\*** |

For inquiries regarding this call for proposals, please contact IWRA at: office@iwra.org or m.trudeau@iwra.org.