



Water is Life Conference 2022 Information Pack 3

Dear Friends of *Water is Life*,

Thank you for attending our WIL Teachers' Meeting in May. It was certainly very heartwarming for us to be able to convene virtually and welcome many new faces in addition to familiar ones, as we continue to guide and mentor our students on this WIL journey. The Teachers' Meeting has been a wonderful platform that promoted the sharing of your ideas and comments to help us make this conference better for your students and school. The slide deck for the Teacher's Meeting may be accessed on the WIL website, for your reference.

Thanks to all students for submitting the introductory video. We really enjoyed the students introducing themselves and promoting their research. From now on you can also enjoy these introductory videos on our 'Water is Life schools YouTube channel'. In the run-up to the conference, this channel will be filled with the presentations and during the conference we will share the recorded webinars with you.

Please go our Water is Life schools website (www.waterisliveschools.com) and enjoy the Water is Life promotion video. To view all introductory video's, click on the YouTube channel button on the 'conference' page.

Information Pack 3 contains:

Publication of Abstracts on WIL website

Day 1: Webinar Info

Day 2: Research Symposium

Day 3: Cultural Interaction

Spotlight Events (Optional)

WIL Online Game

Time-line: the road to November 2022

Publication of Abstracts on WIL website

We have collated the abstracts that you submitted, and will be publishing your 200-word abstracts on our WIL website. Do look out for this update on the WIL website!

Day 1: Webinar Info

The key components of the webinar are as follows:

- This will take place as a live-stream on Day 1 with the Opening Ceremony, Keynote Address, and Dialogue with expert panel.
- We are honoured to have Professor Asit K. Biswas as our Dialogue Chair. Professor Biswas is a recipient of the prestigious Stockholm Water Prize, the equivalent of the Nobel Prize for Water.

We will provide you with the Zoom credentials and details of the webinar in the Final Information Pack.

Day 2: Research Symposium

As your students' research goes underway, we look forward to receiving their full project submission of the following items:

1. Research report
2. Digital scientific poster
3. A 10-minute video presentation of the research
(This is a back-up in the event of technical difficulties).

The final research report, poster and video are due on 30 September 2022.

Please refer to the attachment in Info Pack 2 for the research guidelines.

A judging panel that comprises experts who are familiar with the different areas of sustainability will be assembled. The research students will do a live presentation to the judging panel in parallel sessions across similar project theme. Thank you for providing information about the project themes that your students are submitting. We will use this information to cluster different projects into the parallel sessions.

Format of research symposium:

- 10 minutes live presentation
- 5 minutes Q&A by judging panel

Judging Criteria:

The judging criteria are based on the International Science & Engineering Fair (ISEF) standards.

For projects in

Project Theme 1) STEM and Environmental Sustainability:

No.	Judging Criteria	Descriptors	Weightage
1	Scientific Thought	<ul style="list-style-type: none">• Clarity of aims and hypotheses• Validity of experimental design• Appropriateness of experimental design for investigating the hypotheses or aims• Logical conclusions drawn from results• Synthesis of ideas from extensive review of literature	20%
2	Thoroughness	<ul style="list-style-type: none">• Use of multiple approaches in solving the research questions• Repeatability of experiments• Awareness of limitations and future work	20%
3	Skills	<ul style="list-style-type: none">• Understanding of principles behind methods used• Competency in experimental procedures	20%
4	Creative Ability	<ul style="list-style-type: none">• Novelty of research topic• Originality of experimental design, approach and interpretation of data	20%
5	Presentation of information	<ul style="list-style-type: none">• Ability to summarise and highlight key points• Ability to present results in appropriate format• Proper citation and acknowledgement of references• Smoothness of presentation, confidence and clarity of presenters and level of engagement with audience• Rigor and depth of replies to questions by Judging Panel	20%

For projects in
Theme 2) Communities and Social Sustainability
Theme 3) Stewardship, Policy and Economic Sustainability

No.	Judging Criteria	Descriptors	Weightage
1	Significance and Originality of Research Problem/ Issue	<ul style="list-style-type: none"> • Clarity of objectives • Significance of research and extent of contribution to existing body of knowledge 	20%
2	Background Research	<ul style="list-style-type: none"> • Credibility and sufficiency of background research • Extent of evidence provided to support ideas • Competency in harnessing resources for information 	20%
3	Methodology	<ul style="list-style-type: none"> • Appropriateness of methodology for investigating the issue/ problem • Competency in applying methods 	20%
4	Analysis and Evaluation of Data	<ul style="list-style-type: none"> • Ability to analyze and draw valid inferences from information or data • Critical assessment of methodology and results or product for flaws and limitations 	20%
5	Presentation of information	<ul style="list-style-type: none"> • Ability to summarise and highlight key points • Ability to present results in appropriate format • Proper citation and acknowledgement of references • Smoothness of presentation, confidence and clarity of presenters and level of engagement with audience • Rigor and depth of replies to questions by Judging Panel 	20%

Day 3: Cultural Interaction

As part of our WIL conference's tradition to allow our student leaders to interact, network and forge bonds, we are having this segment that proves popular with students as a virtual interaction. To start things off, we request that each school submit a cultural performance. The requirements are as follows:-

1. Max 3 min video.
2. Landscape mode.
3. File can be in any video format (eg. mp4, mov).
4. Recommended resolution should be of at least 720p (1280 x 720). Full HD 1080p video resolution (1920 x 1080) resolution is preferred.
5. Share unique and interesting facts about your culture or country.
 In previous WIL editions, student participants dressed up in their cultural outfits to perform cultural dances using different musical instruments.

Spotlight Events (Optional)

We would like to take this opportunity to update everyone on possible Spotlight Events that you could consider doing in your school with your students or faculty. We start by sharing some examples that Raffles Institution and Maurick College are currently undertaking:

In-Reach by Raffles Institution

This year as our *Spotlight Event*, RI is showcasing a water exhibition of all the past water projects and posters in our Atrium in July, so that all our students in our school can learn and benefit from all the past hard work and effort that our youth water leaders have previously worked on over the past few years. This acts as a mini-celebration of water projects done by the seniors over the past decade and this water campaign certainly helps to raise awareness as part of our advocacy and education efforts. In addition, student leaders organize scavenger hunts, campaigns, and exhibitions within campus to raise awareness on sustainability among our high school and senior high school students. Students are also encouraged to pledge to undertake simple sustainability tasks in a Pledge Drive. Some examples include submitting short videos onto social media platforms such as Instagram on how they have been actively contributing to sustainability causes. After all, a pledge is just “one small step for [sustainability], and a giant leap for mankind”.

Outreach by Raffles Institution

RI student leaders are organising sustainability competitions and events for primary school (aged 10-12 years old) students in August this year to get them to understand the vital importance of coastal protection in Singapore and to raise awareness among the younger age group on pertinent water issues that Singapore faces. We hope that the younger audience can play a more active role towards sustainability and help the environment through this outreach event.

WIL for younger students by Maurick College

This year the Maurick College is organizing a Water is Life program for younger students (13-14 years old). A program full of activities to increase awareness of the importance of safe (drinking) water and all kinds of issues related to sustainability and climate change. This program takes place in the weeks surrounding the 3-day conference. This program is offered throughout an entire school layer (our year 2 students of about 200 students) and is provided by a team of enthusiastic people who teach the subject 'citizenship'. During the program excursions are organized, there are debates about climate and 'mini' studies are presented. During the Water is Life Conference, these students do not actively participate, but groups of students are invited to watch the Webinars and some presentations of Water is Life studies. The reports submitted will also be examined.

We would like to collate some of the Spotlight Events that you are considering or currently doing and post them on our WIL website. We will work with you to collect photos or short videos from you (up to 3min) in order to create a Spotlight Event collage. Please email us 31 Aug if your school is planning or currently working on a Spotlight Event.

WIL Online Game

This year, a new and fun element will be added to the online edition of Water is Life: the Water is Life – GAME! A real game where you as a player meet some participants, the schools and our professors as avatars. You make your way through the game by earning points by answering questions asked by the avatars. You can enter new levels and discover more and more about the participating schools and local water issues. Be ready and adjust your gaming chair in the right position!

Time-line: the road to November 2022

S/N	Timeline	Milestone
1	15 July 2022	Release of Info Pack (3): a) Publication of Abstracts on WIL Website b) Research Symposium c) Webinar Info d) Spotlight Events
2	30 Sept 2022	Deadline for Full Project Submission
3	15 Oct 2022	Release of Final Info Pack: a) Final Conference Program b) Media Release Form
4	22-24 Nov 2022	<i>Water is Life</i> Conference 2022
5	Dec 2022	Post-conference Website Updates