INTRODUCTION

The Challenges
Training is part and parcel of a career life in SingHealth. However, learners are faced with many challenges when it comes to attending and completing trainings conducted in classrooms, including:

- Waiting for training to become available
- Trainer and learners having to travel to venue
- Class size is limited by seating capacity of venue
- Late comers cause delay and will miss out on information

Overcoming Challenges & the Extra Miles
To overcome these challenges, SingHealth Office of Biosafety (OoB) embarked on the SingHealth e-learning platform in 2017 to host its training programmes. To further learning experience, OoB also harmonised its two safety trainings to the Workplace Safety & Health Council (WSHC) Higher Education and Research Sector (HERS) workgroup initiatives, so that learners completed harmonised trainings in other institutions of higher learning (IHL) do not need to repeat similar trainings in SingHealth and vice versa.

Our Aim
The aim is to evaluate how e-learning and harmonised courses have benefited both OoB and our learners.

RESULTS

The transition to e-learning has been rewarding, and OoB recognises some of the benefits brought by e-learning:

- Learners can attend trainings at their own time and pace
- Training can occur anywhere with computer and network access
- Any number of learners can be trained at any time
- Assessment pools can be created to randomise assessment questions

Furthermore, harmonising two of our trainings with the other IHLs, a portion of our learners benefited from not having to repeat prerequisite safety courses and can focus on other trainings.

Training Matrix
The e-learning effort is complement by the training matrix developed to provide the framework for completion timeline and refresher requirements:

<table>
<thead>
<tr>
<th>Training Matrix</th>
<th>Safety Orientation</th>
<th>Biological Safety</th>
<th>Chemical Safety</th>
<th>WSH Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>WSHC HERS Workgroup</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>WSHC Individual</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Workforce</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>OoB Office (Office of Biosafety)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Since 2017, SingHealth OoB has trained more than 1500 learners using the e-learning platform. Consider the number of learners completing the training courses till 2018, and the number of pages needed to be printed (four slides per page, double sided), OoB would have to print a total of $2018 pieces of paper!

Consider each piece of printed paper cost S$0.15, that is S$7802 saved!

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In our 2018 survey, 88% of our learners find the e-learning courses interesting and engaging!

OoB Go-Green Effort
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CONCLUSION
OoB is in its third year of embarking on e-learning and is doing well in satisfying learners’ expectations. There are plans to roll out more safety courses in the future, and OoB will continue to excel in safety training capabilities.