



ONLINE 2023 WITH

CHORUS

2023 Programme Report



INSPIRING
FUTURE FEMALE
INNOVATORS

» OUR STORY

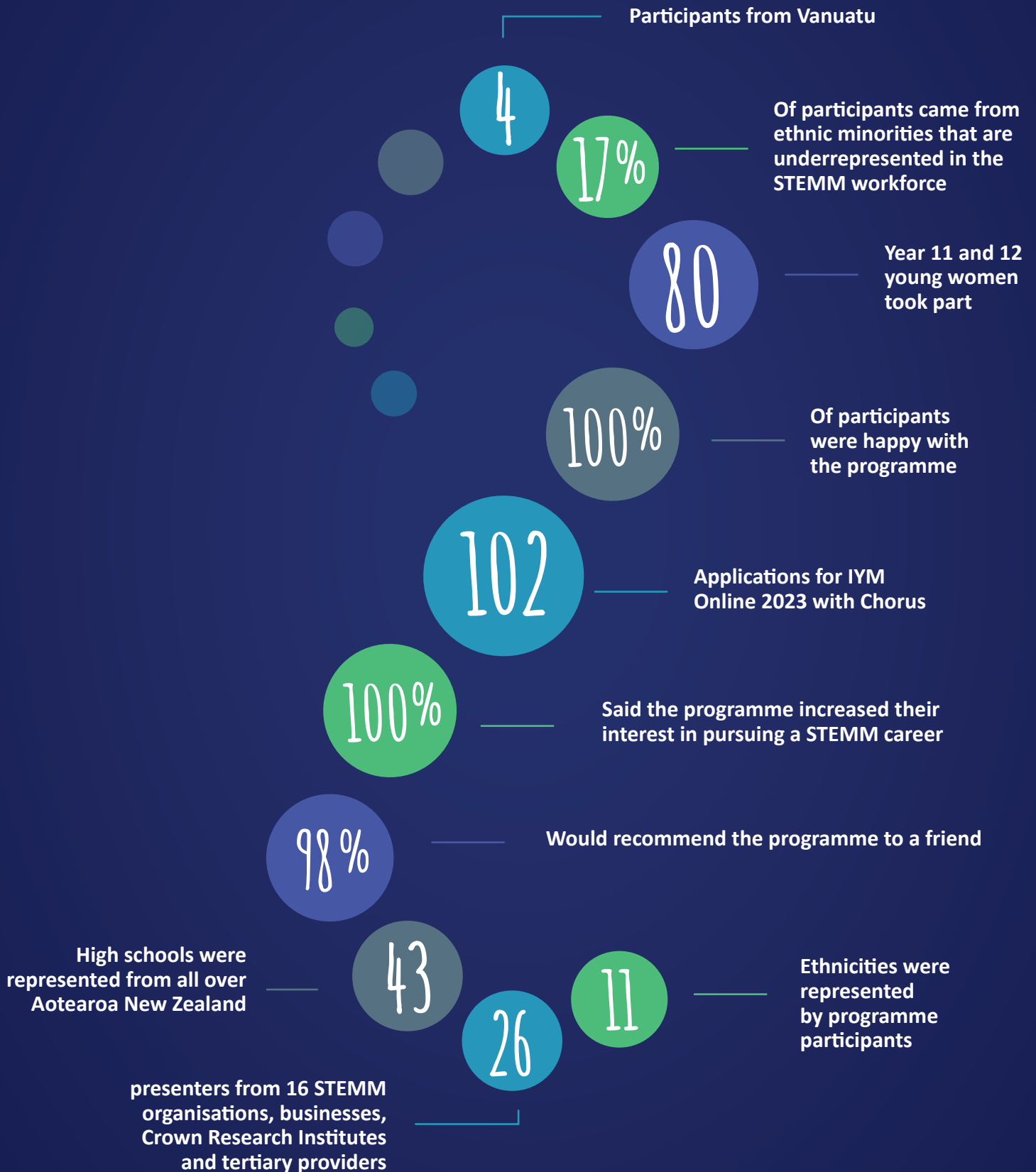
Innovative Young Minds Charitable Trust (IYM) offers young women in Years 11 and 12 the opportunity to learn about the wide range of research and career opportunities available to them in STEMM (science, technology, engineering, mathematics and high-tech manufacturing). IYM seeks to encourage diversity in Aotearoa New Zealand's science and technology industry by inspiring a new generation of female innovators and industry leaders.

The online version of the IYM programme was first created in 2020, in response to COVID-19, when our normal residential programme could not be safely run. Delivered virtually via Zoom and Google Classroom, the programme exposed participants to inspiring science and technology content through a range of different interactive virtual experiences. Due to the success of IYM Online 2020 and the strong demand from our participants, we chose to continue offering the online model, in addition to our original residential programme.

This year IYM Online 2023 with Chorus took place during the second week of the April school holidays. The team were delighted to deliver an engaging programme to 80 young women from all over Aotearoa New Zealand, as well as four participants from Vanuatu. We strive to make our programmes as accessible as possible, and the high level of engagement from participants showed we reached our goal of inspiring young women to explore a future in STEMM.

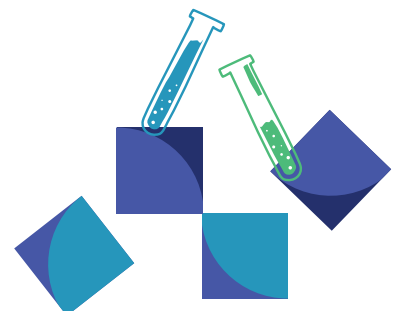
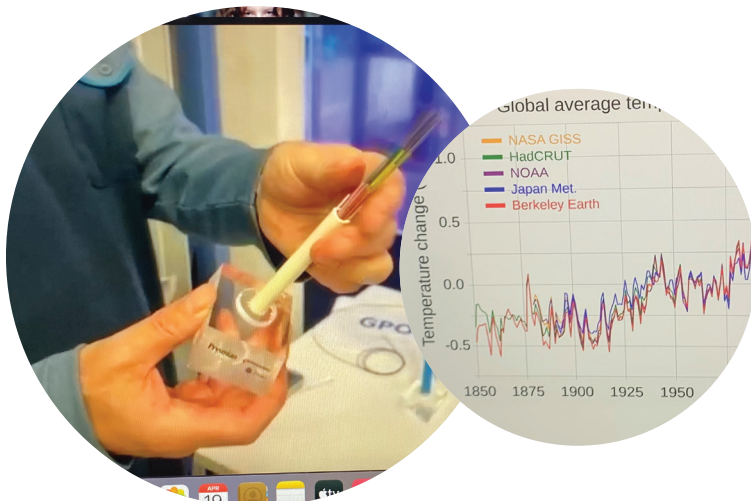


OUR IMPACT



» OUR PROGRAMME HIGHLIGHTS

- ▶ A virtual tour of the Fibre Lab by our naming sponsor, Chorus.
- ▶ National Institute of Water and Atmospheric Research (NIWA) presentation covering physical oceanography, atmospheric modeling and marine ecology.
- ▶ Inspiring address by physicist-turned-science journalist and author Laurie Winkless on the science of stickiness.
- ▶ Interactive discussion with Aorthi and Lola, creators of the Hot Girls Code podcast whose aim is to break down coding concepts and stereotypes.
- ▶ Panel from the Wellington Hospital based Otago University team, including a cell and molecular biologist, lecturer from the Department of Surgery and Anaesthesia, the Director of the Bachelor of Radiation Therapy, a Bachelor of Radiation Therapy student, an Emergency Medicine Research Fellow, and a surgical doctor.
- ▶ A virtual tour of the 3M Innovation Centre in Sydney.
- ▶ Independent Research Association of New Zealand (IRANZ) panel with contributors from the Malaghan Institute of Medical Research, Verum digital agency, Te Tira Whakamātaki and Cawthorn Institute.



- ▶ Latu Clark and Fiapaipai Auapaau shared about their experiences of being Pasifika women working in STEMM.
- ▶ Presentation by climate change expert, Lisa McLaren.
- ▶ IYM alumnae panel featuring four young women now working in a range of STEMM fields including electrical engineering, software engineering and building science.
- ▶ Address by Associate Professor Louise Bicknell from the Rare Disease Laboratory in the Department of Biochemistry, Otago University.
- ▶ Team building and design-thinking sessions with Paul Newsom from Young Enterprise.
- ▶ The Innovation Challenge where student teams designed and pitched a solution to combat climate change to judges from Chorus, IRANZ and the Hutt City Council.
- ▶ MC'd by activist, councillor, IYM Alumnae and Bachelor of Communications student, Sophie Handford.

“SHARING MY PASSION FOR STEMM IS SOMETHING I REALLY ENJOY AND TAKES ME BACK TO WHEN I WAS IN HIGH SCHOOL AND THE UNCERTAINTIES I HAD.”

SHERRI HSU, Ph.D. Specialist Application Engineer at 3M



» OUR STUDENTS' FEEDBACK



“ Thanks to IYM Online and the fantastic presenters we had, I'm going to look into studying genetics at university in the future! I've always been interested in it, but hearing one of the presenters talk about their experience in studying in the genetics field solidified my passion. ”
Mia, Year 12, Burnside High School

“ Going into this I was very unsure of myself and where I might fit into a science career. Having done the course, I feel very encouraged and confident in what I plan on doing and I know that I'm not alone in my passion for genetics and medicine! I've been able to see what the subjects I'm passionate about at school look like when they're brought into the workplace. ”
Catherine, Year 12, Spotswood College

“ After hearing all the incredible panels speak, I think that if I reach out to people and make my own opportunities, I'll go as far as I allow myself to with my future career in STEM. ”
Bella, Year 11, Te Aho o Te Kura Pounamu

“ Before this programme, I believe I was extremely hesitant to try new things or to approach things that I found unfamiliar, but after seeing all those amazing people who weren't afraid to take a risk and persisted in the face of obstacles, I think I have changed significantly for the better. I am very inspired by them and will now be trying out and taking risks in my future career options. I am now wanting to learn more about the fields of chemistry and biology. ”
Reya, Year 12, Orewa College

“ From my heart, I really enjoyed this programme, and I hope that future generations of women will be inspired by IYM to make a difference in this world. ”
Lopa, Year 11, Samuel Marsden College

“ I took a lot away from this programme and was overall really enjoyable. My top peak was the virtual tour of Chorus and learning about the 'behind the scenes' of it all. ”
Eileen, Year 12, Hutt Valley High School

“ Please keep your diversity in the topics you have in the IYM Online programme. It is great to learn and discover true personal interests. The team work has been the best experience I ever had. ”
Emma, Year 11, Te Aho e Te Kura Pounamu



» OUR RESULTS

IYM Alumnae Total: 625

IYM's goal is to make STEMM accessible to young women from diverse backgrounds. Our contributors and sponsors believe in encouraging our participants to be the best they can be, and are committed to creating an innovative future workforce in the science and technology sector.

We know our programmes are making an impact. Our latest research shows 84% of all IYM participants who have graduated high school have gone on to study a STEMM based course at university. Of those still at high school, 100% want to continue on with further education and study.

Our IYM alumnae have also gone on to achieve incredible things. 2017 alumna Sophie Handford was voted joint Wellingtonian of the Year in 2019 for bringing the School Strike 4 Climate movement to Aotearoa New Zealand, and is now a Paekākāriki - Raumati Ward Councillor on the Kāpiti Coast District Council. She is also doing a Bachelor of Communications, majoring in Political Communications, at Victoria University of Wellington. Sophie joined us as MC for IYM Online with Chorus in both 2022 and 2023.

Janis Baker, another 2017 alumna, has now qualified as a mechanical engineer while working with Trustpower. She also volunteers for Fire and Emergency New Zealand where she has a leadership role.

We are excited about the future and making an impact on more young women around Aotearoa New Zealand. With support from our contributors, sponsors and alumnae, we look forward to growing our IYM whānau and continuing to make a difference.





OUR SUPPORTERS – THANK YOU!

IYM Online 2023 with Chorus would not have been possible without our generous sponsors and supporters. Our programme was a success thanks to the valuable contributions made by:

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