



RESEARCH PRESENTATION

Mother Nature needs her Environmental Educators

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Abstract

As the tide changes so do all the inhabitants adapt. Now is our chance to bring some new ideas, voices and ways of being so we can create the change we need.

Homeward Bound Projects started as a dream to bring 1000 women from around the world with a STEM background together to fight for Mother Nature. This ground-breaking, global leadership initiative, set against the backdrop of Antarctica, aims to heighten the influence and impact of women in making decisions that shape our planet's future. It recognises not only that women lead differently but when able to have an equal say at the leadership table they can bring the full force of humanity's power to solve some of the crisis that the world faces.

Its three strategic focal points around Women and Leadership are:

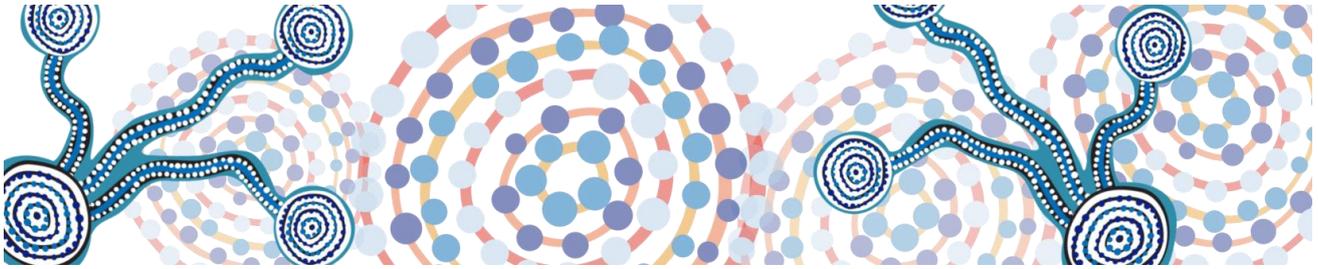
- I AM WILLING AND ABLE TO LEAD
- WE ARE STRONGER TOGETHER
- WE ARE TAKING ACTIONS WITH IMPACT

All the women chosen have a desire to work for the greater good of this planet and this program aims to provide them with the tools and strategies to make that difference. Team HB4 set sail to Antarctica in November 2019 containing a rich array of women change makers including a Kenyan lion conservationist, a NSW farmer for climate change, a rocket scientist, a renewable energy advocate at TU Delft, doctors, epidemiologists, engineers, environmental educators, policy makers and senior managers such as at the Global Fund for Disaster Reduction and Recovery.

Their audacious long-term plan is to change the world but their short-term plan became protecting the Antarctica Peninsula by having it declared a Marine Sanctuary. Discover how these warriors are leading to protect Mother Nature and save the world, one peninsula at a time. Use the Homeward Bound Project model to build resilience and strength into your programs and inspire collaboration for the greater good. Working together as global citizens is the only way to create the legacy this planet needs.

Acknowledgement

Dr Rachel Sheffield acknowledges the Traditional Custodians of the land on which we meet and pays respects to their Elders past and present.



Other acknowledgements: The photos and materials presented here belong to all the women of Homeward Bound 4. They inspire and educate us and we are proud to be members of the HB4 .

Speaker Profile

Associate Professor Rachel Sheffield

I work with pre-service educators preparing them to teach STEM education in primary and secondary classrooms. Primary pre-service teachers are often reluctant to teach STEM subjects fearful of the content material and this reluctance often translates into some subjects particularly science not being taught in primary schools. For primary pre-service teachers my role is to increase their confidence and competence and with my colleagues in Engineering, Science and Education we created the STEMInists www.steminists.weebly.com. The STEMInist program has been enacted in Western Australia, Indonesia and India creating pre-service teachers who are confident and prepared to engage in STEM activities.

Ingrid Albion

Joint recipient of Australian Environmental Educator of the Year 2020, Ingrid has worked as a scientist and environmental educator for over 30 years. Currently she manages the Tasmania Parks and Wildlife Service Discovery Ranger Program which inspires visitors, students and community groups to care for our natural and cultural values. Ingrid set up the First Response Whale Rescue training program in Tasmania and was instrumental in managing the initial captive devil insurance program and then caring for Tasmanian devils for over 10 years. Ingrid runs the Tasmanian Climate Change Stories website which she set up to inspire intergenerational conversations about the changing climate in schools as well as developed the pilot See It Dream It Do It program that inspired girls to get involved in careers in science. Ingrid believes we can all make a difference and that every program we run must have a legacy component.

Website links

→ <https://www.linkedin.com/in/rachel-sheffield>

