

A climate of change: Using multimedia to inspire global connections for local solutions

Ashley Larose, *Science North, Canada & Science Centre, Singapore*, and **Daniel Tan**, *Science Centre, Singapore*

Climate change is one of the biggest challenges of our time.

Science North has explored the topic of climate change through the development of immersive and interactive object theatres since the early 2000s. The original Climate Change Show and its sequel, the Changing Climate Show, have received numerous prestigious industry awards for their strong science communication, creativity, entertainment, and most of all, their educational impact. These multimedia productions have been popular around the globe, and specifically in Asia with customized versions installed at Science Centre Singapore. The missions of both Science Centre Singapore and Science North focus on inspiring and cultivating exploration and discovery with our visitors. Our organizations, despite being on opposite sides of the globe, also have a long history of friendly collaboration with one another.

The result of that collaboration has been the customized installation of both versions of Science North's Climate Change Show at Science Centre Singapore. We agree, that no matter where in the world visitors are from, the object theatre platform is an ideal way to communicate about climate change to the public and showcase relevant scientific discoveries and innovations in technology. We have observed and quantified that visitors not only learn about climate change, they are inspired by these compelling experiences to take action in their own personal lives to make a difference for our communities and the earth

In late 2019, Science North will premiere the newest version of the series of Climate Change object theatres, The Climate of Change. This compelling new experience features advances in understanding the complexities of climate change. It focuses on uplifting success stories of innovative engineering and creative solutions that people around the world are implementing to deal with climate change. Through compelling multimedia experiences that focus on preserving and enhancing our natural environment, visitors will be inspired to take personal action.

The new show will include stories related to the impact of climate change on oceans, an important story because oceans cover 70% of our globe and hold 97% of the earth's water. Other stories will relate to the role of methane gas, significant advances in new technology such as sustainable energy production the impacts and solutions related to climate change on global food security, impacts on carbon sequestration, agriculture, ocean acidification, arctic ice, permafrost, species diversity, emerging technologies (renewable energy, sustainable transportation, solar), water resources and carbon profiles. Live science visualization and real-time audience feedback will engage audiences of all ages in the science of climate change.

In this session, participants will learn:

- Unique multimedia approaches to communicating about Climate Change
- How two leading science centres have led successful collaborations that have resulted in thousands of visitors on both sides of the world being inspired to take action
- Strategies for developing partnerships based on common goals and outcomes