## Communicating Coastal and Marine Geoscience Through Wave-based Art and Music: Two Interdisciplinary Approaches To Convey and Augment Knowledge

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## Catching a Wave

Catalyses a mindset shift towards climate action and awareness of people who exist in at-risk coastal spaces



In a world of constantly shifting realities, new sustainable development and climate action ideas are crucial. Designed to move the conversation towards development of transdisciplinary collaborations, CaW is an integrated immersive project that reinvigorates linkages between the arts and sciences to address urgent ocean, coastal and human issues of our time.





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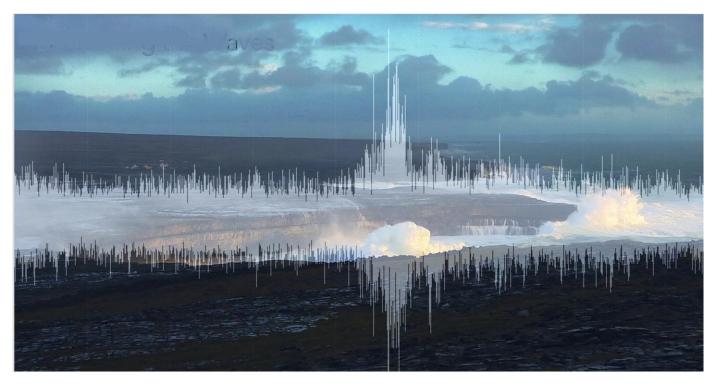






## Drumming the Waves

Helps capture the visceral 'feeling' of coastal waves, conveying sea states from serene calm to extreme chaos



Informed by the shared physics of sound and water waves, the music represents how mutual interference among wave sets gives rise to chaotic seas, rogue waves, and ocean swell; and how waves can be amplified unpredictably in the coastal zone. Using music to convey the science of wave interactions and wave amplification opens new doors and prospects for engaging and educating the public.





