# GirlConChicago 2022

## TECH + SUSTAINABILITY + ART 16 June

# Where Environmental Art, Science and Technology Intersect



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#### CaW - who are we?



Technology makes it possible for artists and scientists to communicate in a more impactful and memorable way by creating immersive, visceral experiences that engage the senses.



To create sustainable futures, one must be a participant. One must be a collaborator. Collaboration is essential for innovation and inherent to wholistic and inclusive design.



Other contemporary artists who are using and innovating new technologies to combat environmental degradation and to raise awareness and educate the public about climate change and what we can do to make a positive impact on both local to an international levels.

## Lillian Ball, New York, U.S.A



#### Land Art Generator LAGI website

The goal of the Land Art Generator is to accelerate the transition to post-carbon economies by providing models of renewable energy infrastructure that add value to public space, inspire, and educate—while providing equitable power to homes around the world.



#### Tomás Saraceno, Argentina









Conventional on the App Store Download the Arachnomancy App to help find and communicate with Spider/Web oracles that cohabit with us, joining a collective exercise of mapping against extinction.

#### Arachnophilia Website

Google Play

https://www.youtube.com/watch?v=rjVDyxTXGAg https://www.youtube.com/watch?v=B5pFS8XD\_MM https://www.youtube.com/watch?v=tu1PlhayFTM





#### Graphic rendering of CaW Data: Cristina Tarquini of Studio CRTQ



#### Photogrammetry at the Coastal Studies Institute, NC

















### Problem Solving – Hi and Low-Tech Solutions









#### How we define technology: old and new?



#### Creativity + Data + Application















### Innovation: Moving forward



Connections with people and information sharing Sounds – both human stories and natural in-place recordings



Next technologies: CNC machine and sound dome



Plastic pressed wave out of bottles, gathered from local communities.



















### Planetary Wave Project: Connections and Community



### Planetary Wave Project

# Connecting waves and people

It's about **people**, it's about **coastal sustainability**, it's about **changing mindsets**, it's about **time** 



) Girls from and at GirlCon 2020

# Social justice and inclusion

The conversation is changing and voices are being raised all over the world.

How do we engage with all sorts of people, cultures, beliefs and ideals?

How do we have conversations? What sort of conversations do you want to have?



## Using QR codes



### Sound files View

Videos

Padlet

Website









### Connect with us



#### catchingawave.org



https://padlet.com/FutureEarthCoasts/ArtSea



@catching\_a\_wave

#PlanetaryWaveProject



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Examining the Potential of Art-Science Collaborations in the Anthropocene: A Case Study of Catching a Wave

Front. Mar. Sci., 19 May 2020 | https://doi.org/10.3389/fmars.2020.00340





Unless you multiply yourself by the speed of light..

.. then you energy.









