Climathon

Venice

Climathon Venice

2016-2022

Authorship

Worcester Polytechnic Institute students completed their Interactive Qualifying Project in Venice, Italy sponsored by Venice Calls.

Christina Avakian
Biomedical Engineering '23

Anna Hickman
Biochemistry '23

Megan Letendre
Computer Science '23

Dylan Rapoport
Chemical Engineering '23

WHAT IS A CLIMATHON?

A two day ideathon where climate change mitigation ideas are developed to help make a long-lasting impact. Experience collaboration with a diverse group of researchers, entrepreneurs, and students!

Climathon Global Numbers

200 CITIES

65 COUNTRIES

WHY IS THE CLIMATHON VENICE IMPORTANT?

Venice's unique ecosystem attracts millions of tourists per year. It is also exposed to rising sea levels due to climate change and the effects of overtourism because of its tourism-dominated economy.

The Venice Climathon provides the opportunity for more jobs and for integrating more sustainable lifestyles.

float green à porter

Veneziana

VELAB

VeniceEcoLab

FORMANDAM

Chen

VenITER

PASSAGES
HubCycling Fabrics
REDUCE – REUSE - REPAIR
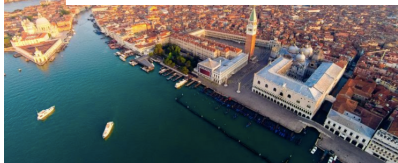
Team

AIMS

LORE
JOËL
PAOLI
ARIAN
ELISA

- Invertire il modello di consumo ed aumentare il ciclo di vita dei prodotti tessili
- Valorizzare caratteristiche e storia dei prodotti tramite creazioni indossabili e da arredamento.
- Valorizzare il patrimonio locale di artigianato e mestieri attraverso anche workshop e corsi upcycling

Per chi: per tutti, adulti e bambini

LAGOON EYE A CITIZEN SCIENCE START-UP
DALLA MISURAZIONE ALL'AZIONE

PROSSIMI PASSI

AZIONI

6 EDITIONS

160+ PARTICIPANTS

30+ PROJECTS

Se moVEmo?   Challenge: Social innovation

An application for high tide emergency relief

CiGaRe
Cicca Game Recycle

C-point ideation
Butts and chewing-gums recovery with the CiGaRe waste bin.

Project chain process creation
Creating value from waste disposal, reuse and marketing of recycled products

green

KICK PLAST OUT
CAMPO DEI GESUITI

AVANTGARDEN

RiVEN

Sophia

CA'RE VENICE
Reduce, Reuse, Recycle

Climathon | Venezia   Claudio Bocca

ITTINSECT
Dalla distruzione del mare
all'economia circolare
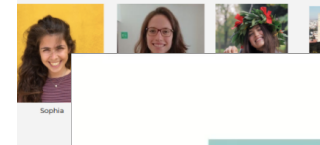
REMASK

The Toolshed
A library of things in Venice

RIOBA PROJECT

Table of Contents

2016 Edition

OVERALL THEME

Cultural heritage in a changing climate: exploring innovative and nature-based solution to cope with heatwaves

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The 2016 Venice Climathon was hosted at both the Fondazione Eni Enrico Mattei and Ca'Foscari Zattere on the 27-28 of October.

There were 20 participants, 1 coach, and 1 overall winner.

OVERALL WINNER

Float green a porter', presented by V. Negretto, A. Innocenti, and D. Grasso won the challenge. They proposed a natural based solution to mitigating the island heat effects in Venice.

HONORABLE MENTION

'IGreengo' was another team that proposed a platform where locals can advertise outdoor areas as well as give opportunities to maintan them. StartupItalia wrote a segment that depicted all of their awards. iGreengo was selected as one of the top 10 best Italian startups with innovative ideas in the sustainable tourism sector by the Giordano Dell'Amore Social Venture Foundation, awarded as one of the best solutions for territorial resilience by Climate KIC, and awarded as one of the best young companies in the world for the enhancement of natural resources by Ecostar Hub.

2017 Edition

'Raising up before sea levels rise' won with their creative methods of raising flood awareness. This included central art installments like a lifebuoy, which could also double as a safety measure. In addition, they proposed an online game for both tourists and locals as an educational tool.

OVERALL THEME:
How can art and science tackle sea level rise in Venice?

The 2017 Venice Climathon was hosted at the 'Centro Espositivo Zitelle' CZ95 in Giudecca on the 27-28 of October.
There were 20 participants, 5 teams, 2 coaches, and 1 overall winner!

Università Ca'Foscari Venezia

mac

Venice Climate Lab

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Teams

ECO-STEP

by Erica Infabula Giacomazzi, Ylenia Gelmini, C. Wenfang, and Handriyanti Diah Puspitarini

Presented reduction of CO2 levels to mitigate the rising sea levels within Venice.

Upfloat

By Ilaria Zanandreis Ila Tardigrada, Letizia Lanzi, Paolo Angelozzi and Maurizio Conci

Collaborated to develop new high water walkways that would be able to produce energy and adapt to the different sea levels.

110 and Rising

by Giovanni Giuliari, Gloria Solini, Selene Stradiotto, Laura Tessitore and Luca Cedolini

Created a platform aimed to ease communication on rising sea level hazards between locals and administrators.

Venice Below

by Kalpana Mazzucchelli, Elisa Roldo, Natasha Colombo and Beatrice Castiglioni

Created website to serve as an augmented reality of the future of Venice regarding the rising sea levels a platform.

Raising up before sea levels rise

by Giuseppe Alfano, Marco Tonino, and Silvio Cristiano

Came up with creative and alternative methods to spread awareness of rising sea levels.   4

2018 EDITION

OVERALL THEME:
How to reduce, recycle, and recover waste in Venice?

On October 25 and 26, CMCC hosted the 2018 Venice Climathon at the VEGA, Parco Scientifico Tecnologico di Venezia.

There were 34 participants, 2 coaches, and 6 teams!

WE ARE HERE VENICE

cmcc

Università Ca'Foscari Venezia

L'associazione veneziana si è aggiudicata il primo premio a Rimini
La squadra ha vinto prima il Climathon a Venezia e poi all'Ecomon

Venice Calls prima in Italia
Vince l'idea della eco-borraccia

Irina Ionsac, S. Cognolato, S. Santato, V. Da Mosto e Alvise Querini

OVERALL WINNER

"Light Blue" by S. Santato, S. Cognolato, Irina Ionsac, V. Da Mosto, and Alvise Querini, proposed an idea of promoting eco friendly water bottles with economic incentives. They then went on to win the national competition.

This team was apart of the group Venice Calls, which overtook hosting the Venice Climathon after winning the edition!

2019 Edition

OVERALL THEME:

HOW TO BOOST SUSTAINABLE MOBILITY IN VENICE, MESTRE, AND THE LAGOON?

On the 26-27 of October, Venice Calls hosted the 2019 Venice Climathon in San Servolo.

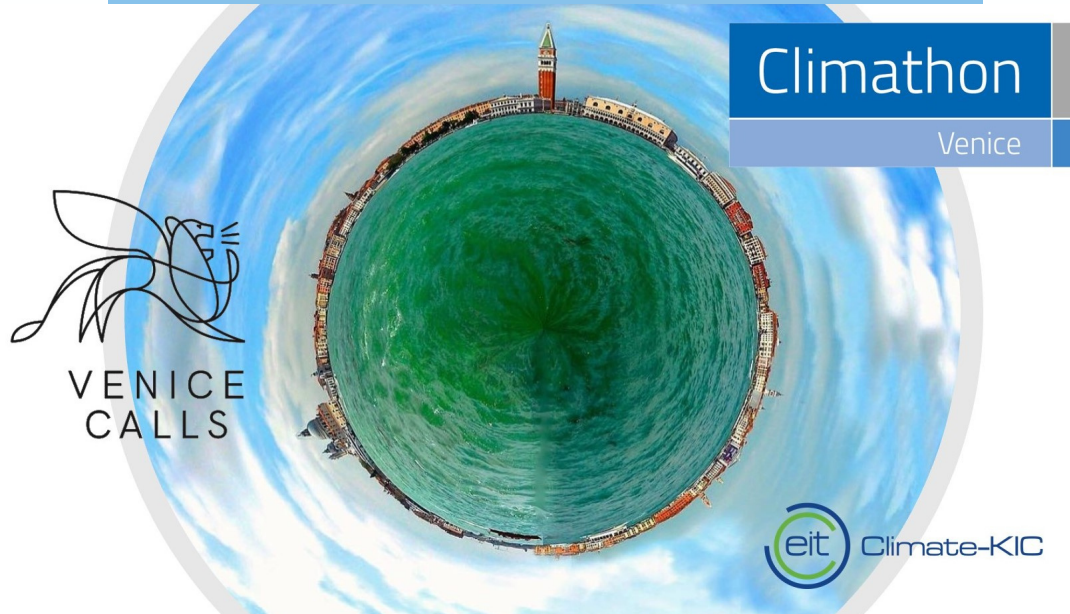Venice International University co-hosted this edition with Venice Calls.

OVERALL WINNER

Margherita Montavoci, Hajra Taufiq, Leonardo Ballarin, Lucia Baciu, Riccardo Tommasoni were members of the winning team "Young and Green". They proposed an app that would connect transportation companies with private citizens transport to utilize free spaces on the boats.
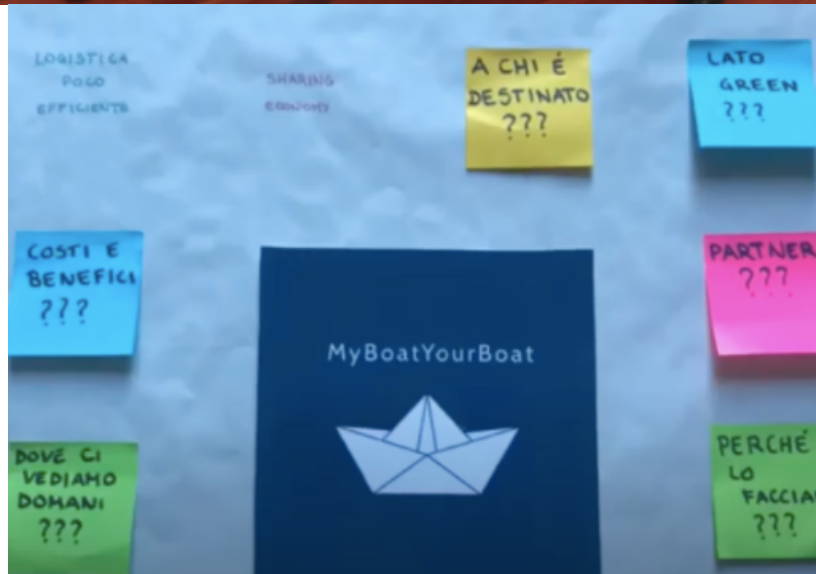
2020 Edition

OVERALL WINNER

RiVEN by Bianca Uberti Foppa, Mihaela Manic, Medina Veliu, Sophia Giovanett won the 2020 Venice Climathon. Their idea was to create an app that would ease separation of organic and residual waste in Venice and promote private urban spaces for gardening communities to regreen the city.

OVERALL THEME:
How to boost the Circular Economy starting from the area of Venice's lagoon?

This took place on November 14-15 at the ex church of Santi Cosmo et Damiano.

There were 47 participants and 9 teams that took part in this challenge. This event was also held virtually and there were over 750+ viewers on Zoom.

TEAMS

Ittinsect
by Alessandro Romano, Claudio Boccassini, Cesare Scalia, Gennaro Apuzzo, Sebastiano Stipa, Sofia Giaudioso
Making fish farming more sustainable by replacing fish made powder with advanced mixture of insects for feeding.
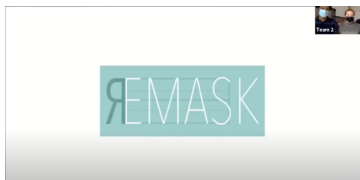**This team is currently working on becoming a startup!**

CiGaRe
by Carlo Rigo, Federico Marella, Joshua Pellegrinotti, Giovanni Ragazzi
Create system for recycling cigarette butts and gum with installation of specific bins.

Remask
by Margherita Montavoci, Sofia Ramadoro, Guglielmo Magnifichi, Marco Restifo Pecorella
Recycling system including collection of surgical masks through bins and transforming them into renewable liquid fuel.

RiVEN
by Bianca Uberti Foppa, Sophia Giovanett, Mihaela Manic, Medina Veliu
Implement more user friendly and efficient waste management system.

LaggonEYE
by Marco Mascolini, Roberta Bonacossa, Giulia Vio, Fosca Bottazzo, Arianna Mion, Maria Provino
Using monitored environmental data to raise local awareness and involve locals in environmental action.
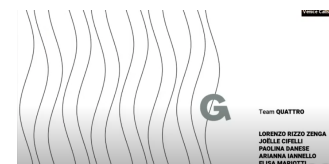
Kick Plastic Out

AVANTGARDEN

VeniceEcoLab
by Cristian Bozzato, Marco Pizzolato, Michele Favaro, Sebastiano Cestaro
Aims to connect Venetian farmers and fishermen through a shared platform.

ALGart
by Joelle Cifelli, Lorenzo Rizzo Zenga, Paolina Danese, Arianna Iannello, Elisa Mariotti
A free entry exhibition that would advertise artistic installments and hand crafted materials out of algae.

2021 Edition

2021

Climathon Restart Venice

OVERALL WINNER

The overall winner of the 2021 Venice was the project "Library of Things". This idea acts as a central way to share tools and equipment with people all across Venice in an effort to fight overconsumption and promote a sustainable lifestyle.

OVERALL THEME: RESTARTING VENICE

What are some innovative projects and sustainable startups to revive the future of Venice?
3 Sub-Themes: CIRCULAR FASHION, CREATIVITY & CRAFTSMANSHIP, & SOCIAL INNOVATION

Took place on October 30-31 at the Ex Church of Santi Cosmo et Damiano. There were 31 participants and 6 teams.

TEAMS

PASSAGES
by Chiara Lamon, Santoro Carmela, Pieter Jurriaanse, Massimo Capo.
Their project was the recycling of fabric and textiles with a goal to increase the lifecycle of these products. This team won the circular fashion challenge!

CA'FOSCARI FOR SDGs
by Sofia Rigucci, Bianca Uberti Foppa, Andrea Puletto.
Produce application that would map unpopular tourist locations to diversify tourism.
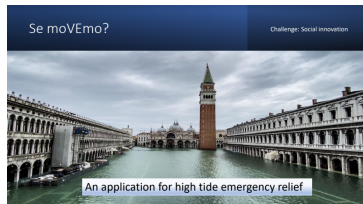
SE MOVEMO
by Alvise Querini, Raimondo Franchetti, Sebasiano Cognolato, Matteo Rabagliati, Joshua Pelligrinotti.
Provide network that would spread awareness and educate on flood related hazards. This team won the social innovation challenge!

FORMANDAM
by Carlotta De Toni, Pina Pizza, Isabella Mavelia, Emin Altun.
Provide platform of digital tools for the purpose of accessing cultural heritage. This team won the creativity and cratsmanship challenge!

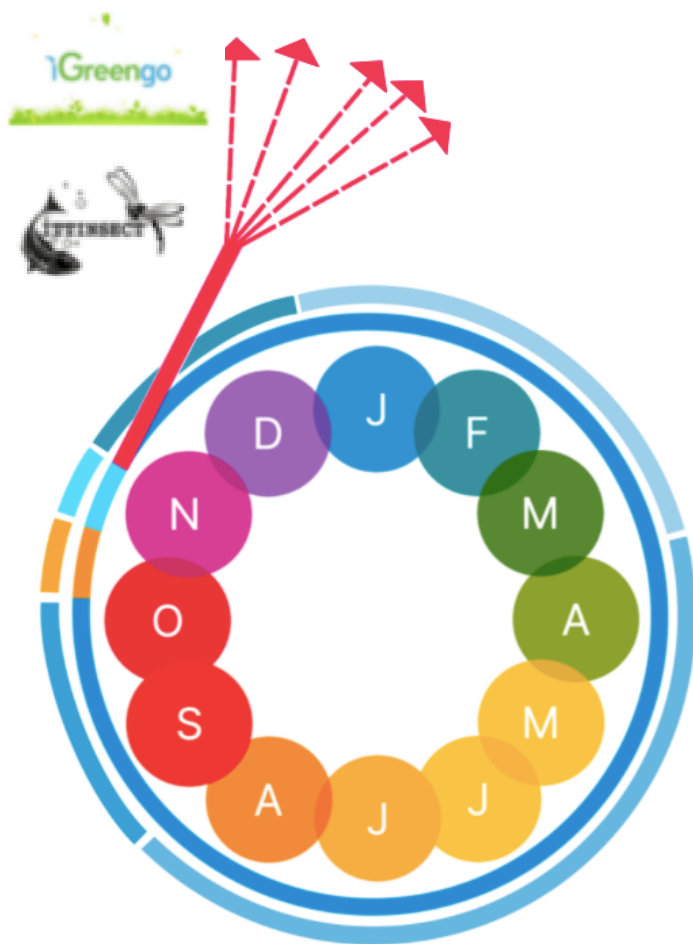## R CUBED
by Emelia Carleton, Derik Pignone, Lora Dufresne, Danforth Kenerson.
Developed a cycle of collecting old fabrics, recycling their cloth, and repurposing the recycled cloth.
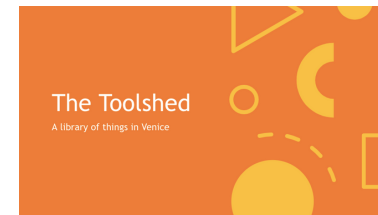
TOOLSHED
by Elisa Etrari, Francesca Guarnotta, Sonja Schmidbauer.
Develop a "library of things" as a central way to share tools and equipment with people.

Future Planning of the Climathon Venice

Yearly Planning Cycle developed by WPI students.

In the past six editions of the Climathon Venice, there have been two startups generated. 'iGreenGo' and 'Ittinsect' participated in the 2016 and 2020 Climathon Venice and succeeded in transforming their developed projects into viable startups! Organizers are now set on developing more climate based startups.

Students from Worcester Polytechnic Institute formulated a new yearly planning cycle of the Climathon Venice. This was constructed through months of research and observation of the past editions, other Climathons, and other events that function similarly.

To implement this repeated yearly planning cycle, an event planner guide was created with all necessary timelines, templates, and guidance for future organizers.

The development of the Event Planner Guide results in a greater chance for climate-based startups, and further, jobs outside of the tourism sector that implement sustainable lifestyles for Venetians.

Six Phases within Yearly Plan
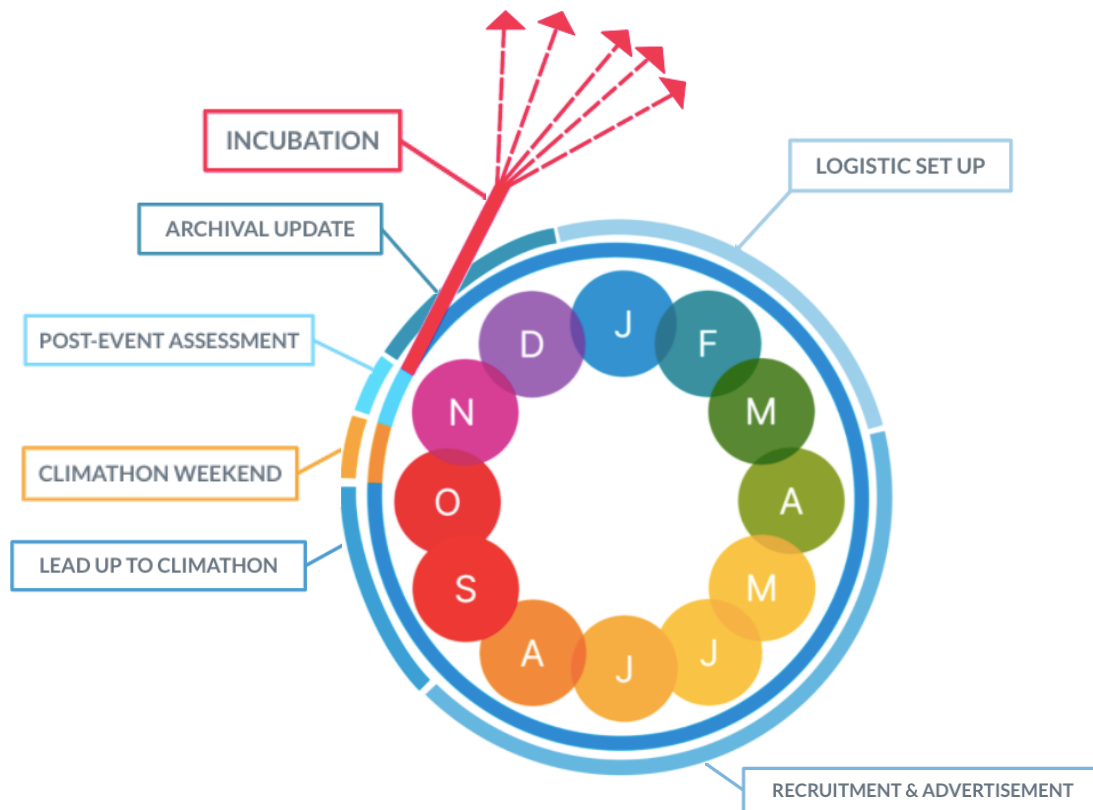
The yearly cycle is broken up into seven phases.

Logistic Set Up: This first phase is three months long and provides organizers with increased amount of planning time.

Recruitment & Advertisement: This five month long phase focuses on advertisement and communication to recruit more participants.

The Lead Up to the Climathon: Follows prior focus of communication and more outreach.

During the Climathon: There are fundamental changes implemented by the WPI team developed through their investigation of best practices.

Post event assessment: After the event, this phase is meant to gather feedback and takeaways from how the event ran.

Incubation phase: SerenDPT takes over as they hold the resources and guidances necessary for these ideas to develop into startups after the event.

Climathon Venice Archive Update: The Archive is another tool provided by the WPI team. This is a centralized website of the Climathon Venice and also holds all the information on the past editions.

Within each of these phases are timelines, templates, and objectives, all of which are within the event planner guide.

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SPONSORS

THANK YOU FOR YOUR SUPPORT

Local Organizer: **Venice Calls**

Global Organizer: **Climate-KIC**

Main Partner: **SerenDPT**

Scientific Partners: **CMCC**

Scientific Partner: **Venice International University**

Scientific Research: **WPI**

Sponsors: **FabLab Venezia**

Patronage: **The City of Venice**