The Sustainable Future of Tourism Post COVID-19 in Venice









Presented By: Madison Di Vico, Martin McCormack, Lucas Micheels, Lauren Revene, and Joseph Sorrenti

Advisors:

Professor Fabio Carrera Professor Jennifer deWinter Through this project our team contributed to the development of policies for sustainable tourism in Venice.



SmartDest: Horizon 2020 Research Project

SMARTDEST



- Three year project
- 8 case study cities
- SerenDPT is in charge of the Venice case study





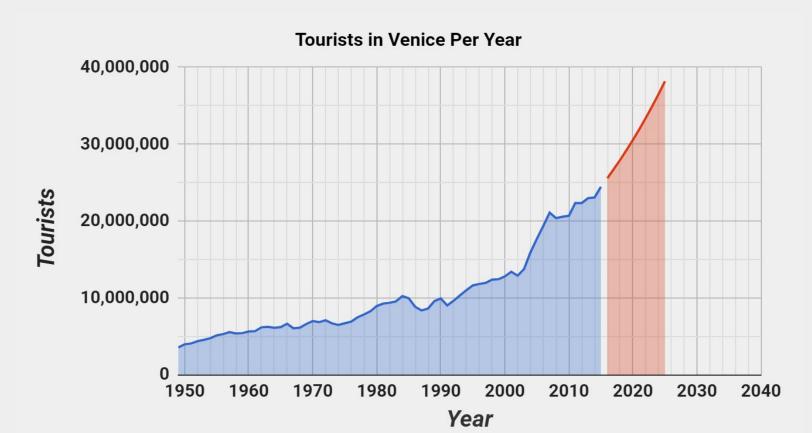


SmartDest's Original Plan Was to Mitigate Over-Tourism

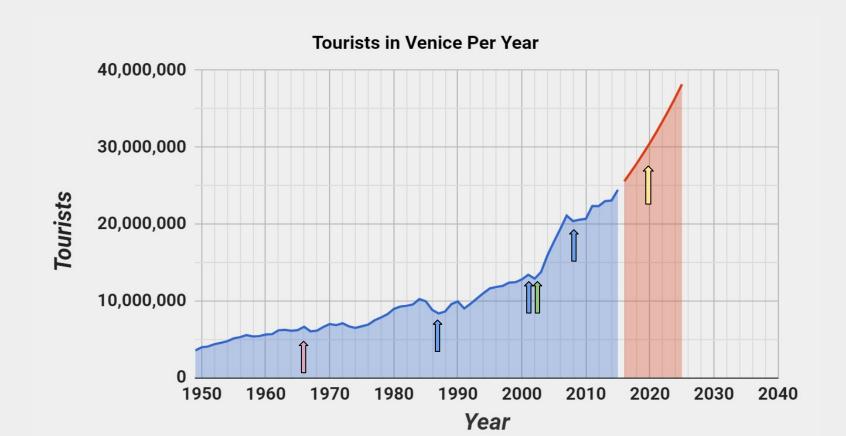
Pre- COVID Goal:

Mitigate the effects of overtoursim through new policies

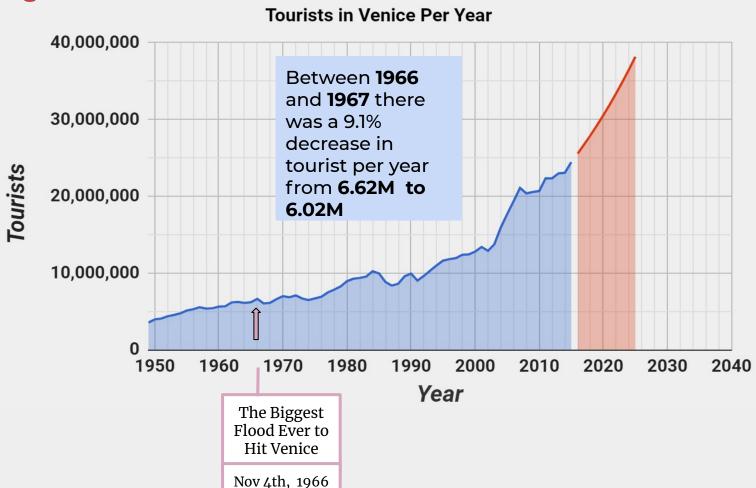
Venice was Chosen as One of The 8 Case Studies Due to The Exponential Growth in Tourism



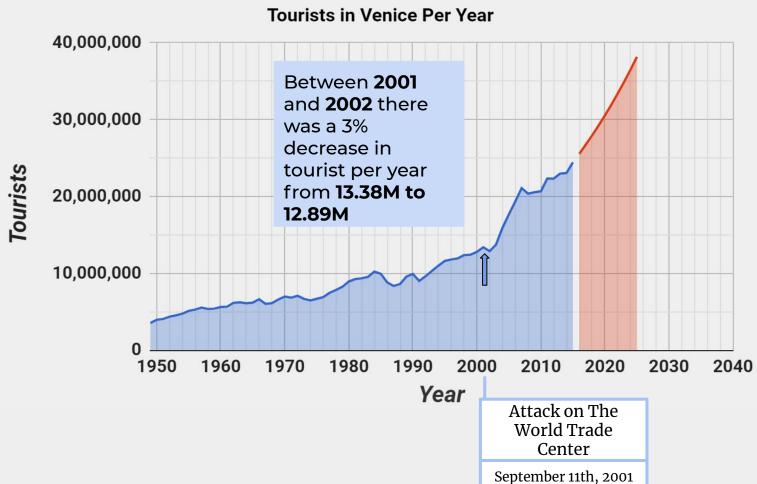
Events Affect Tourism in Venice



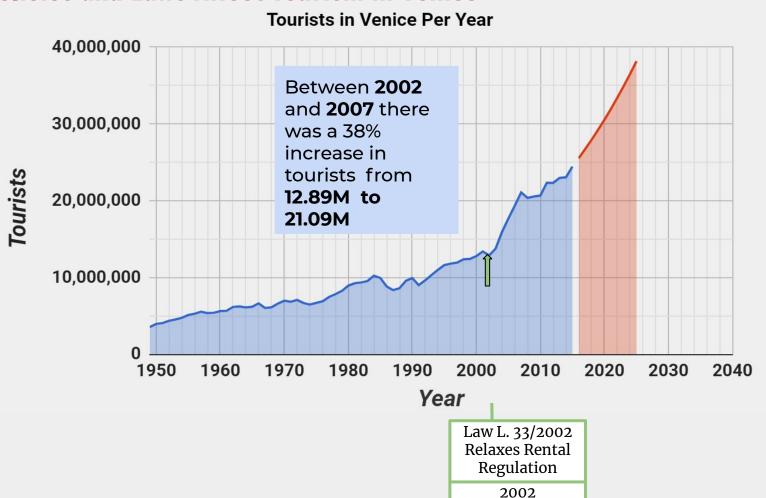
Flooding and Other Natural Disasters Affect Tourism in Venice



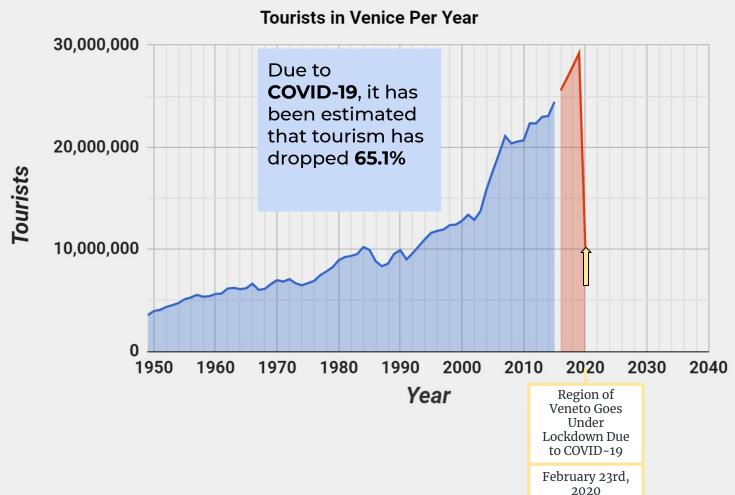
International Events Affect Tourism in Venice



New Policies and Laws Affect Tourism in Venice



COVID-19 Affects Tourism in Venice





The COVID-19 Pandemic Transformed The SmartDest Project



SmartDest's Plan for Future Tourism

Pre- COVID Goal:

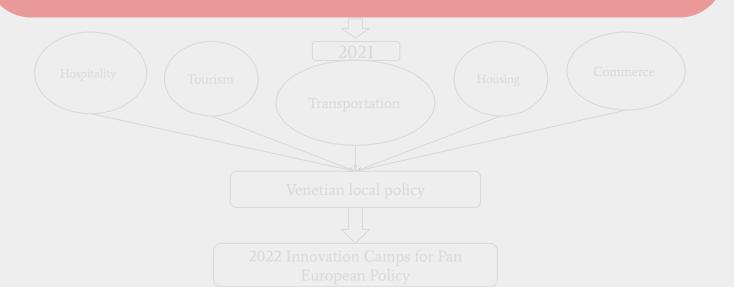
Mitigate the effects of overtoursim through new policies

Post-COVID Goal:

To **monitor** the return of tourism and **develop policies** to achieve sustainability



Monitoring the Return of Tourism 2021-2022



SMARTDEST

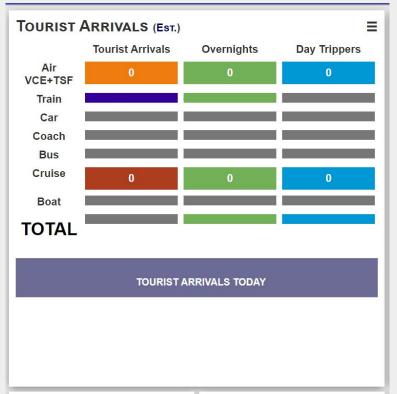
A Real Time Dashboard can Monitor Tourism

- WPI Created the Venice Dashboard on their 25th anniversary
- Provide real-time tourism data in the city
 - Displayed in widgets
- The primary user: tourists



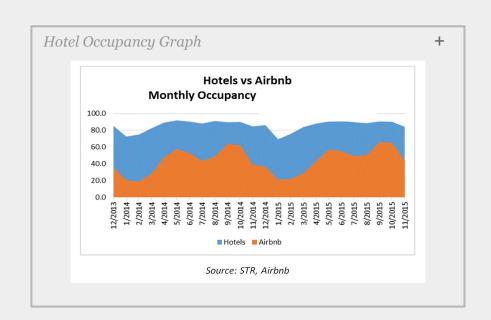
A Widget has the Ability to Displays Live Data

- Individually functioning tool that gathers, displays, and stores real-time data
- Data is pulled from various websites



Updates Made to the New Venice Dashboard Widgets

- All of the code is written using Javascript
- Stores and displays real time data
- Each widget is able to be added or removed from the users customizable homepage
- Each widget will still be adjustable in size and location on the screen



The New Dashboard will Assist Researchers Working Towards Sustainable Tourism

- The people working on the SmartDest Project
- Future WPI students
- City Officials
- Stakeholders









The New Venice Dashboard can Store and Display Real Time Data

The Venice Dashboard Live Updates from Venice, Italy	Hospitality	Transportation	Tourists and Resident Data	Finance	Environment and Weather	Other	Help	Search
								= 1
Welcome to The Venice Dashboard, when about the historical city of Venice, Ital through the list of widgets and clicking	here you car ly! Customiz g the + butt	n get up to date i se your dashboar on to add to you	nformation rd by scrolling r dashboard1			N	ovember 1 11:07 50°	

The Venice Dashboard Live Updates from Venice, Italy

Hospitality Transportation

Tourists and Resident Data

Finance

Environment and Weather

Other...

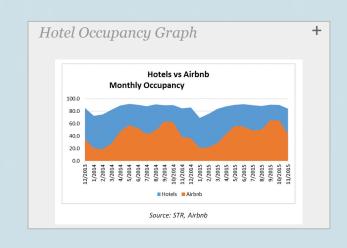
Help

Search



Interactive tabs that can bring you to organized pages of widgets







Hotel Information

Welcome to The Venice Dashboard, where you can get up to date information about the historical city of Venice, Italy! Customize your dashboard by scrolling through the list of widgets and clicking the + button to add to your dashboard

The Venice Dashboard

Live Updates from Venice, Italy

Hospitality Transportation

Tourists and Resident Data

Finance

Environment and Weather

Other...

Help

Search

Airbnb

Real Estate

The + sign is used to add widgets to the homepage of the customizable dashboard







Hotel Information

Venice Hotel Map

Welcome to The Venice Dashboard, where you can get up to date information about the historical city of Venice, Italy! Customize your dashboard by scrolling through the list of widgets and clicking the + button to add to your dashboard

The Venice Dashboard Live Updates from Venice, Italy

Hospitality Transportation

Tourists and Resident Data

Finance

Environment and Weather

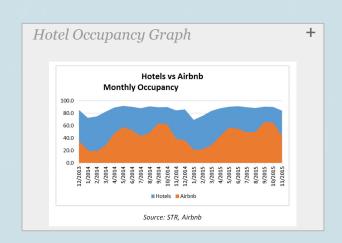
Other...

Help

Search

Clicking on "The Venice Dashboard" Brings The User to Their customizable dashboard







Hotel Information

Welcome to The Venice Dashboard, where you can get up to date information about the historical city of Venice, Italy! Customize your dashboard by scrolling through the list of widgets and clicking the + button to add to your dashboard

The Venice Dashboard Live Updates from Venice, Italy

Hospitality

Transportation

Tourists and Resident Data

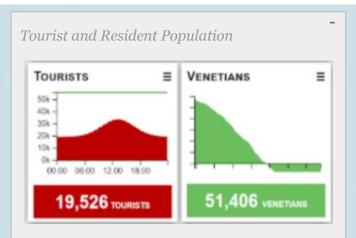
Finance

Environment and Weather

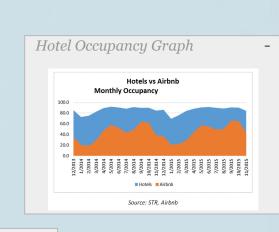
Other...

Help

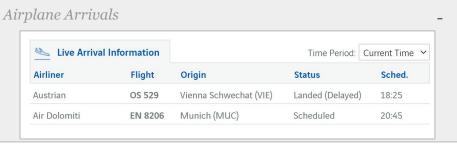
Search



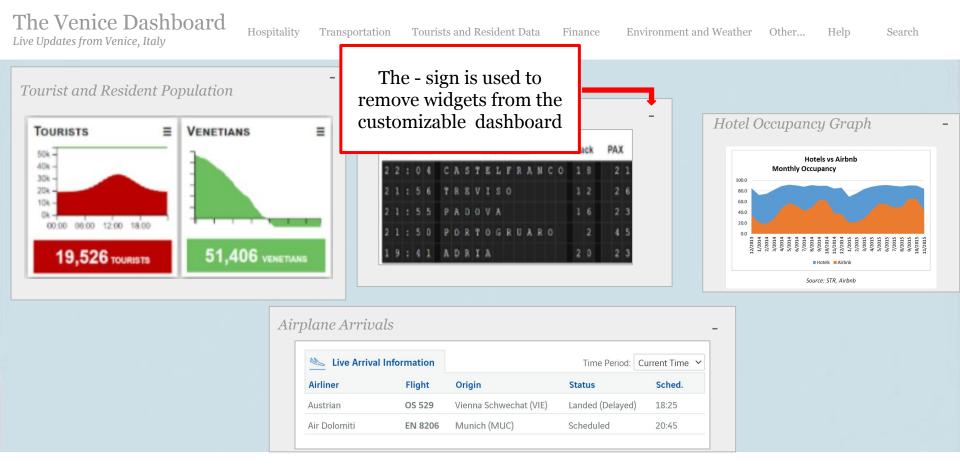




This is an example of what a user's dashboard might look like after adding widgets to their homepage.



Welcome to The Venice Dashboard, where you can get up to date information about the historical city of Venice, Italy! Customize your dashboard by scrolling through the list of widgets and clicking the + button to add to your dashboard



Welcome to The Venice Dashboard, where you can get up to date information about the historical city of Venice, Italy! Customize your dashboard by scrolling through the list of widgets and clicking the + button to add to your dashboard

The Venice Dashboard Live Updates from Venice, Italy

Hospitality

Transportation

Tourists and Resident Data

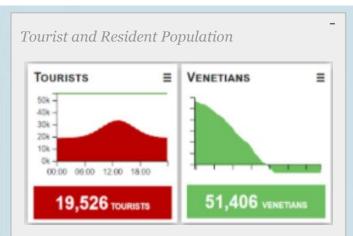
Finance

Environment and Weather

Other...

Search

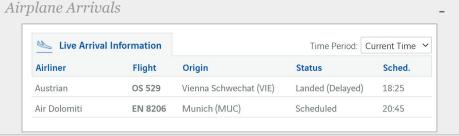
Help







User can move widgets around the screen adjust the size and location of it.



Welcome to The Venice Dashboard, where you can get up to date information about the historical city of Venice, Italy! Customize your dashboard by scrolling through the list of widgets and clicking the + button to add to your dashboard



Co-Developing Shared Policies for Sustainable Tourism Through The CityLab Events

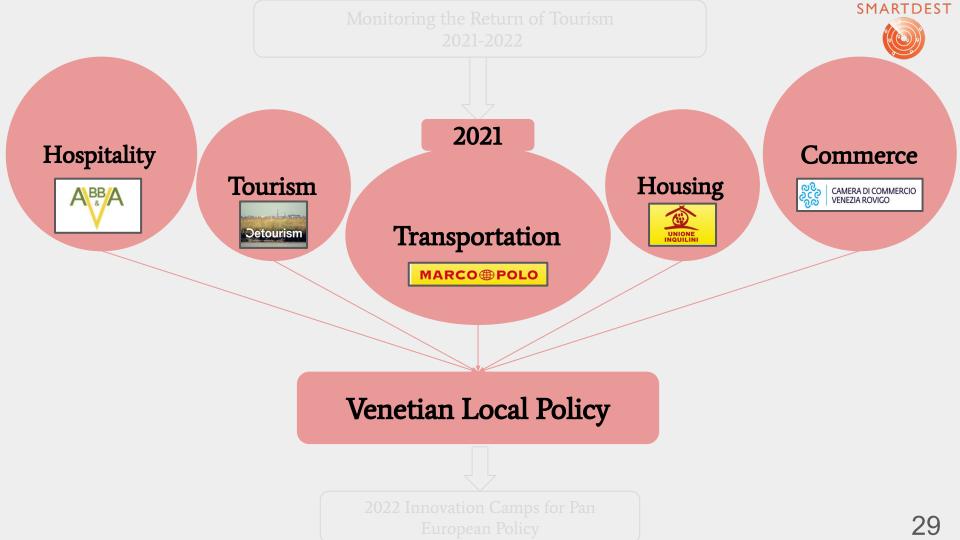






The CityLab Events will be a Series of Events to Discuss The Future of Sustainable Tourism

- Each event will include:
 - A specific theme for discussion
 - Stakeholders related to that event's theme
- The 8 Case Studies will be preparing for the Innovation Camp through their own CityLab Events



SMARTDEST

There will be Individual CityLab Events Based on Common Themes





Hospitality Associations

Discuss ways to efficiently host tourists



Tourism Associations

Discuss ways to collaborate within to maintain the flow of tourism



Transportation Organizations

Discuss ways to decrease tourist pollution and traffic



Housing Associations

Discuss ways to ensure residents have sufficient housing accommodations



Commerce Organizations

Discuss ways to increase local income and find alternative income sources













Developing Pan-European Policies Through The Innovation Camps

• Constructive discussions to upgrade European urban policy by empowering innovative humanitarian and geographical solutions









Acknowledgements

- Fabio Carrera & Jennifer deWinter Advisors
- Marco Bertoldi
- Daniele Scarano
- Antonio Paolo Russo
- Dario Bertocchi
- Filippo Rossi
- And all other contributors to The SmartDest Grant







Thank you!

Email: gr-ve20-tour@wpi.edu

Website:

https://sites.google.com/view/touris

m-in-venice/home



Works Cited

Gorowara, A., Matthews, A., Russo, D., Sezer, Armagan. (2013). Tourism in The City of Canals.: Worcester Polytechnic Institute.

Ocio. Home. https://ocio-venezia.it/ (accessed Nov 6, 2020).

Blanco, A., D'Ambrosio, V., La Manna, A., Marton, K. (2014). Impacts of Tourism: Analyzing the Impacts of Tourism on the City of Venice (Undergraduate Interactive Qualifying Project No. Eproject121914094957). Retrieved from Worcester Polytechnic Institute Electronic Projects Collection: http://www.wpi.edu/Pubs/Eproject/Available/Eproject121914
094957/unrestricted/VE14TOUR FinalReport.pdf

Kasia. (2020, August 03). Whose City Is It Anyway? Retrieved October 03, 2020, from https://www.weareherevenice.org/whose-city-is-it-anyway/

Arikan, I., Ünsever, I., & Halioui, S. (2016). Importance of Tourism Paradox, Tourism Equinox and Tourism Detox for Urban Environments, *Acta Economica Et Turistica*, 2(2), 221-229. doi: https://doi.org/10.1515/aet-2016-0019

Silva, D. S., Powderly, K. B., & Chakuroff, M. S. (2014). Venetian Time: An Examination of Time and Space in Venice. Retrieved from https://digitalcommons.wpi.edu/iqp-all/2796

Coronavirus is devastating the Italian economy. (2020, April 30). Retrieved November 12, 2020, from https://www.americamagazine.org/politics-society/2020/04/13/coronavirus-devastating-italian-economy

SARS-CoV-2 Regione Veneto - infografica settimanale. (n.d.). Retrieved October 08, 2020, from https://infogram.com/1plr7x29w20vrvhqm7g3k5gx0zfzvn50q0j?live

COVID-19 is curbing overtourism in cities Like Venice. (2020, August 13). *Airguide Online*, NA. https://link-gale-com.ezpxy-web-p-u01.wpi.edu/apps/doc/A635166832/GPS?u=mlin c worpoly&sid=GPS&xid=60f1d4f5

UNIVERSITAT ROVIRA I VIRGILISpainhttp://www.ftg.urv.cat/ – URV, Urban, E., UA, U., Univerza Na Primorskem / Università Del LitoraleSloveniahttps://www.turistica.si/ – UP, Instituto De Geografia E Ordenamento Do Territorio Da Universidade De LisboaPortugalhttp://www.igot.ulisboa.pt/ – IGOT, POLITO, P., . . . Universita Degli Studi Di MilanoItalyhttps://www.unimi.it/en – UMIL. (n.d.). SMARTDEST. Retrieved September 15, 2020, from https://smartdest.eu/