

# VPC Legacy: Boat Traffic & Moto Ondoso Notes

Link to 35th anniversary E23 Project:

[https://digital.wpi.edu/concern/student\\_works/vh53x013j?locale=en](https://digital.wpi.edu/concern/student_works/vh53x013j?locale=en)

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## Overview

### General

#### Categories

- Public (21%): water busses, mainly ACTV
  - Two types: vaporetti and alilaguna
  - Larger boats, 160 ACTV boats (2015)
  - 95 million passengers/year (2015)
  - Predetermined stops on a schedule
- Cargo (36%): deliver packages
- Taxi (25%): mostly tourists, usually to/from airport, relatively expensive
- Private (18%)

#### Moto Ondoso

- Wake of boats
- Destroys canal walls
- Disrupts or capsizes small sailboats and gondolas
- Hulls are not ideal for low speeds in canals
- To reduce moto ondosos:
  - Less total traveling
  - Slower speeds
  - Better designed hulls

### History

- Motor boats introduced in 1960s
    - Moto ondosos began to erode canal walls
  - As tourism has increased, so has boat traffic
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- Social movements have even been created to reduce moto ondosso (see Pax in Acqua, created in early 2000s)
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## **VPC**

- Lorem ipsum

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## Resources

### VPC Resources

#### Videos

- [VPC Traffic and Moto Ondoso](#)
- [Existing video(s)]
- [VPC history video]
- [Technical video—with presentation?]
- [Solutions video]

#### Story

- [story notes doc]
- [StoryMap]





#### Data

- [spreadsheet(s)]
- [.csv file?]

#### Graphics

- [links]

#### Other

- [35th Anniversary Project](#) (E23)
-  VPC: Moto Ondoso
-  VPC: Topics
-  VPC Research
-  VPC Exhibit

### Additional Resources

#### Websites

- [links]

#### Videos

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- [YouTube links]

### **Books**

- [.pdf files or names of books at VPC]

### **Other**

- [?]

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## VPC Projects

### 1990

- ≡ A Hygienic, Dynamic, and Static Study of the Canals of Venice, Italy Report 1990

### 1991

- ≡ A Study of Tide Flows, Mud Buildup, Boat Traffic, and Structural Damage on the Canna...

### 1992

- ≡ An Analysis of Structural Damage to the Canal Walls of the Sestiere Castello di Vanezia...
- ≡ Analysis of Structural Damage to the Canal Walls of Venice, Italy Report 1992
- ≡ A Documentation and Analysis of Boat Traffic in the Venetian Canals Report C 1992
- ≡ A Documentation and Analysis of Boat Traffic in the Venetian Canals Report D 1992
- ≡ A Documentation and Analysis of Boat Traffic on the Canals within the Sestiere di Cast...
- ≡ Analysis of Structural Damage to the Canal Walls of Venice, Italy Report 1992
- ≡ Multimedia Applications in the Study of Canals Report 1992
- ≡ A Topological and Hydro -- Dynamical Study of the Canals in the San Marco Area Repo...
- ≡ A Documentation and Analysis of Boat Traffic on the Canals within the Sestiere di Cast...

[29: Geographical Information System for the Canals of Venice]


### 1993

- ≡ A Data Synthesis of the Worcester Polytechnic Institute Venice Canals Project Report 1...
- ≡ A Comprehensive Review of the Worcester Polytechnic Institute Venice Canal Studies ...

### 1994

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 Le Sponde dei Canali di Castello, Venezia Report 1994

[43: Buildings and Information of the Canals of Venice]

## 1997

[62: Development of a Computerized Decision Support System for the Scheduled Maintenance of the Inner Canals of Venice]

## 1998

 E98 Sewers.ppt

## 1999

[Quantification of Sediment Sources in the City of Venice, Italy](#)

[Remote Boat Monitoring System](#)

## 2002

[The Moto Ondoso Index: Assessing the Effects of Boat Traffic in the Canals of Venice](#)

## 2003

[Preserving the Canal Walls of Venice Using Power from a Modified Microbial Fuel Cell](#)

[Ultrasound Boat-Monitoring System: Venice Canal Boat Traffic and Damage Monitoring System](#)

## 2004

[Mapping Turbulence in the Canals of Venice](#)

[Ultrasound Boat-Monitoring System: Venice Canal Boat Traffic and Damage Monitoring System](#)

## 2005

[Ultrasound Boat-Monitoring System](#)

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[Mapping Underwater Turbulence in Venice](#)

**2006**

[Mapping Turbulent Discharges in Venetian Canals](#)

[Re-engineering the Venetian Taxi Transportation System: Efficiency Improvements That Reduce \*Moto Ondoso\*](#)

**2007**

[Auto-Accretion Powered by Microbial Fuel Cells in the Venetian Lagoon](#)

[Turning Traffic Around: An Analysis of Boat Traffic in Venice and Its Environmental Impacts](#)

**2010**

[Cruise Control: To further the understanding the comprehensive impacts of cruise ships on the city of Venice](#)

**2013**

[Boats are Waking Me Crazy: An Analysis of Boat Traffic and Moto Ondoso in Venice](#)

**2015**

[Increasing the Efficiency of Venetian Transport Systems for the Reduction of \*Moto Ondoso\*](#)