

### Noise Mitigation Through Outreach and Education

Aircraft noise is a predominant aviation environmental concern of the public. NoiseQuest is a user friendly site designed to support noise mitigation through information.

Methods **New Site Released**

#### Easy to navigate device agnostic site

Provides enhanced navigation and ease of access to information

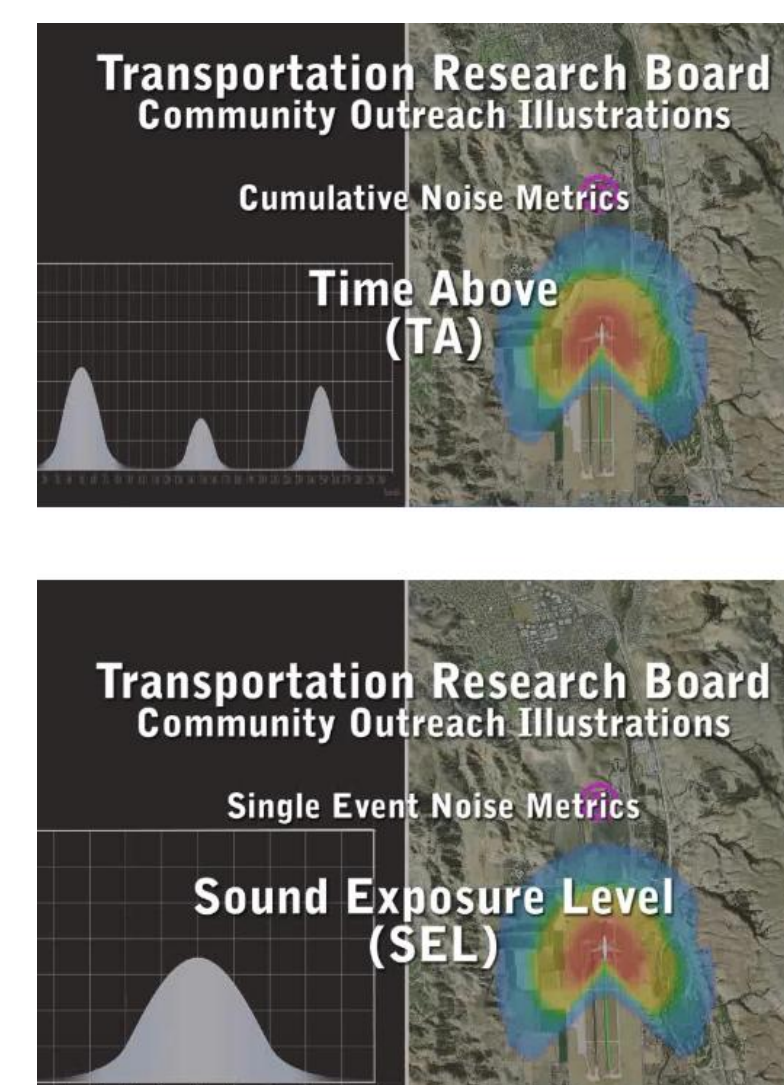
#### Updated content with videos



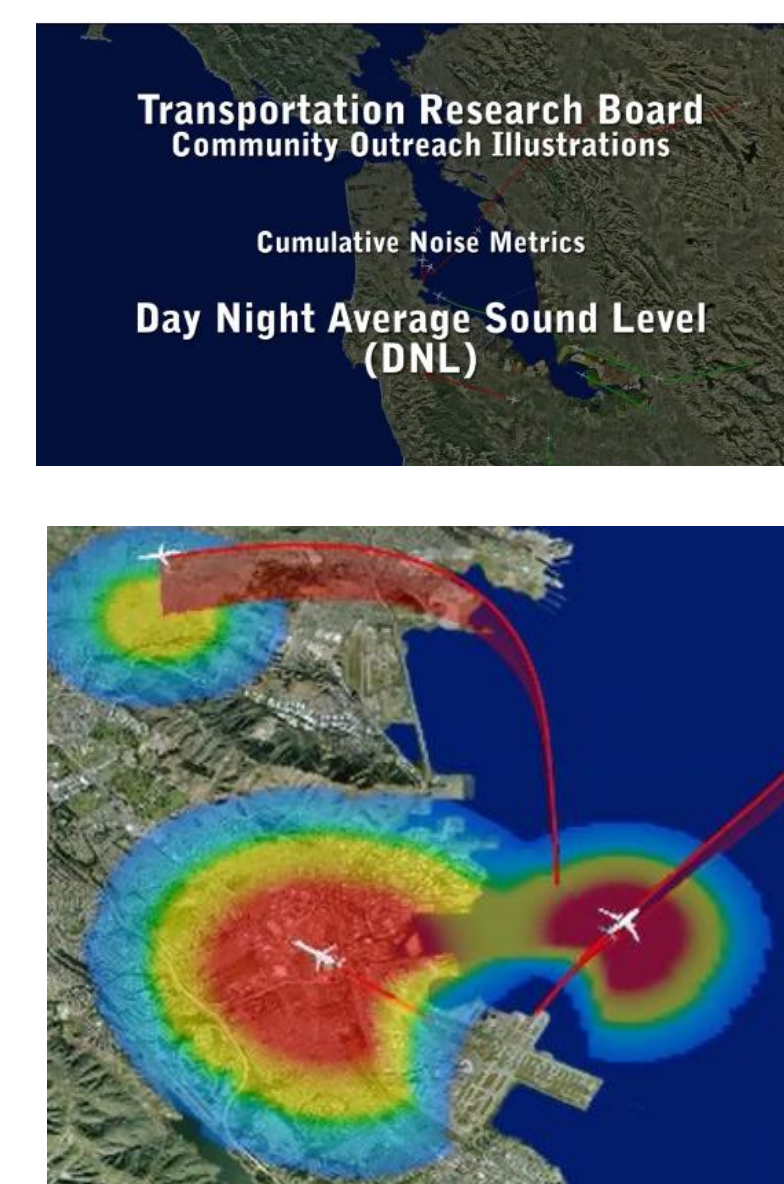
NextGen



NextGen: PBN



Metrics



Glossary DNL

# Project 8 Noise Outreach

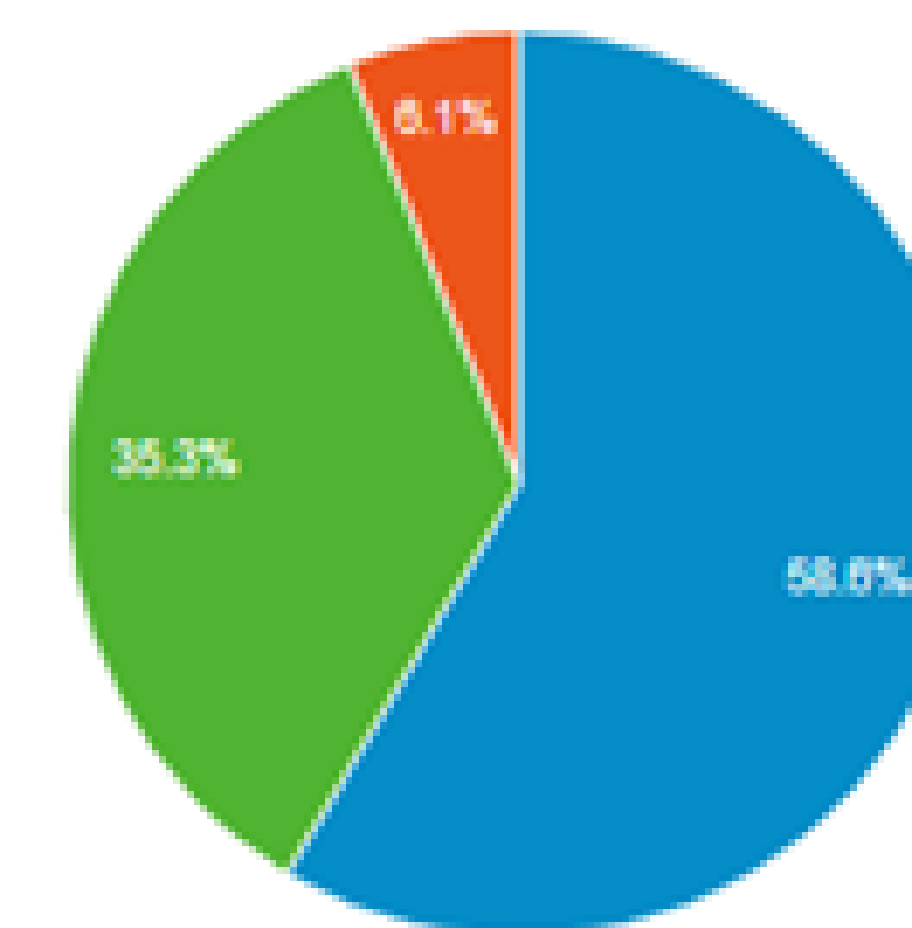
www.noisequest.psu.edu

## Summary

NoiseQuest
Most Active Pages
National Airspace-Types of Airports
Noise Basics-basics
NoiseQuest not set
Community Tools-FAQ
Noise Effects-reducing noise
Community Tools-glossary
Community Tools-homebuyers
NQ Explorer
Sources of noise
Noise basics-noise models

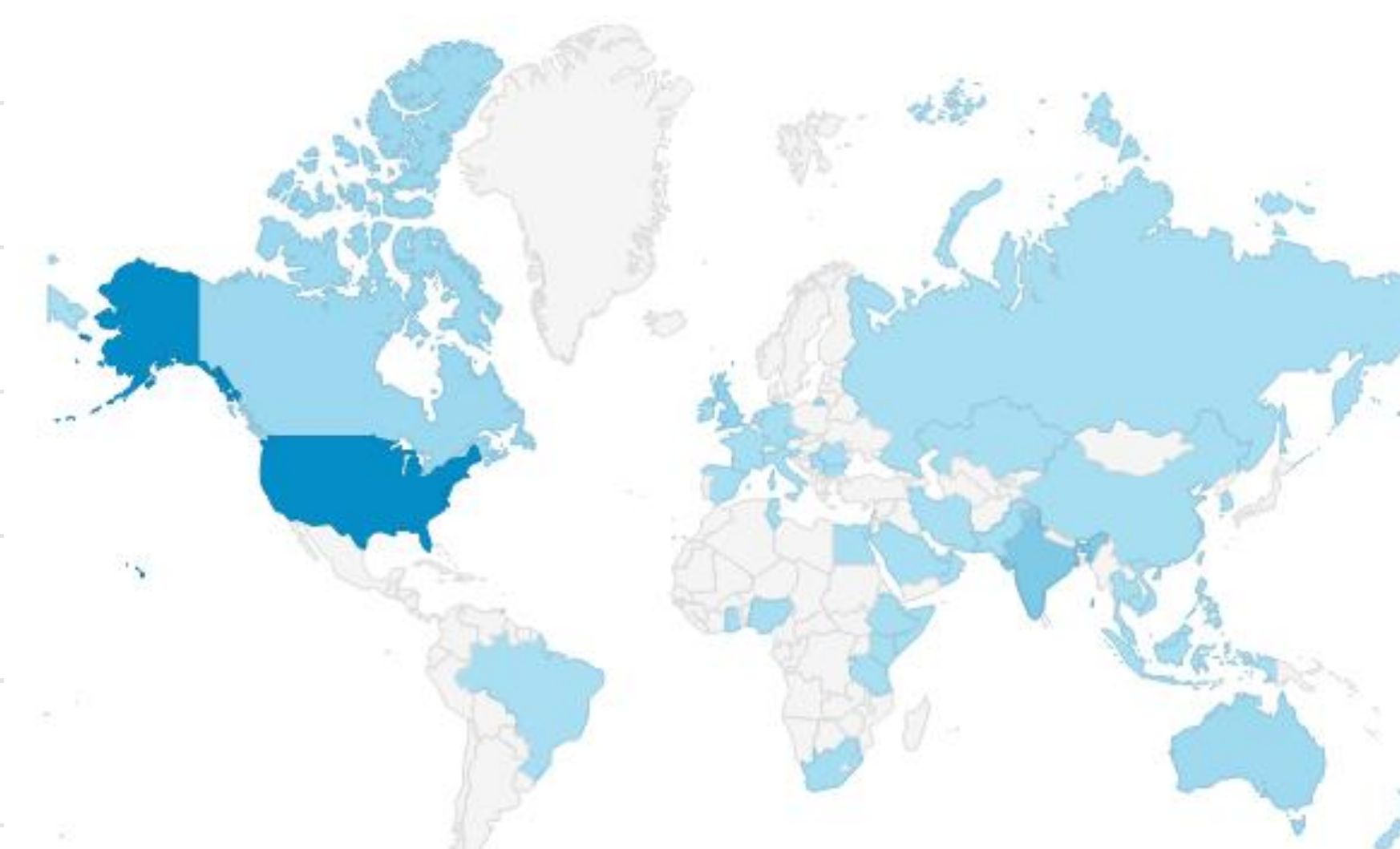
### Recent Usage by Device

- desktop
- mobile
- tablet



### Recent Usage by Country

- United States
- India
- United Kingdom
- Canada
- Australia
- Philippines
- South Africa
- China
- Singapore
- Nigeria



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## Results

### A Global Resource for Aviation Noise Outreach

NoiseQuest enhances knowledge on aviation noise topics and provides centralized web based outreach that is accessible across global communities.

#### Mobile site implemented, Content enhanced

- Added videos and images across site
- Expanded NextGen, PBN and metrics content
- Expanded Supersonics low boom content

### Next Steps

#### Continue to update content and site features

- Identify additional educational videos
- Further expand Supersonics low boom content
- Expand helicopter and rotorcraft noise abatement
- Seek additional GIS noise contours

## Outreach Team

### Outreach University Team Members

Penn State Applied Research Laboratory: Team Lead: Kathleen Hodgdon  
Penn State Earth and Environmental Systems Institute: Bernd Haupt

### Outreach Advisory Committee Members

Gulfstream Aerospace Corporation: Robbie Cowart  
Port of Portland Sr. Noise Analyst: Jason Schwartz  
Volpe Transportation Systems Center: Eric Boeker, Juliet Page



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