



Motivation

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

The redesigned site provides enhanced navigation and easier access on mobile devices. Noise basics continues to be a popular topic. Increased time per page is being spent on noise effects and national airspace content.

NoiseQuest Most Active Pages	Page views	% Page views	Avg. Time on Page
April 1, 2018 – Aug 31, 2018	18,710	100	0:01:48
Noise basics-basics	3,571	19.09	0:02:26
Home page	2,809	15.01	0:01:18
National airspace-types of airports	2,383	12.74	0:04:07
Community tools-FAQ	1,571	8.40	0:03:01
Noise effects-reducing noise	872	4.66	0:04:40
Community tools-glossary	756	4.04	0:01:24
NQ explorer	586	3.13	0:01:38
Community tools-homebuyers	459	2.45	0:00:56
Sources of noise-overview	361	1.93	0:02:46
Noise basics-noise models	363	1.94	0:02:10

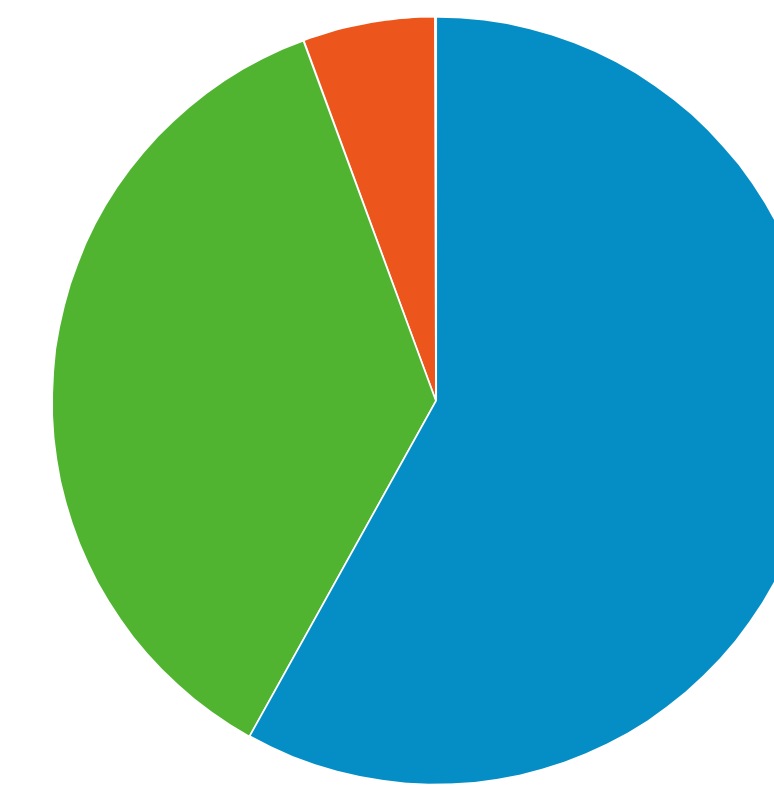
Project 8 Noise Outreach

www.noisequest.psu.edu

Summary

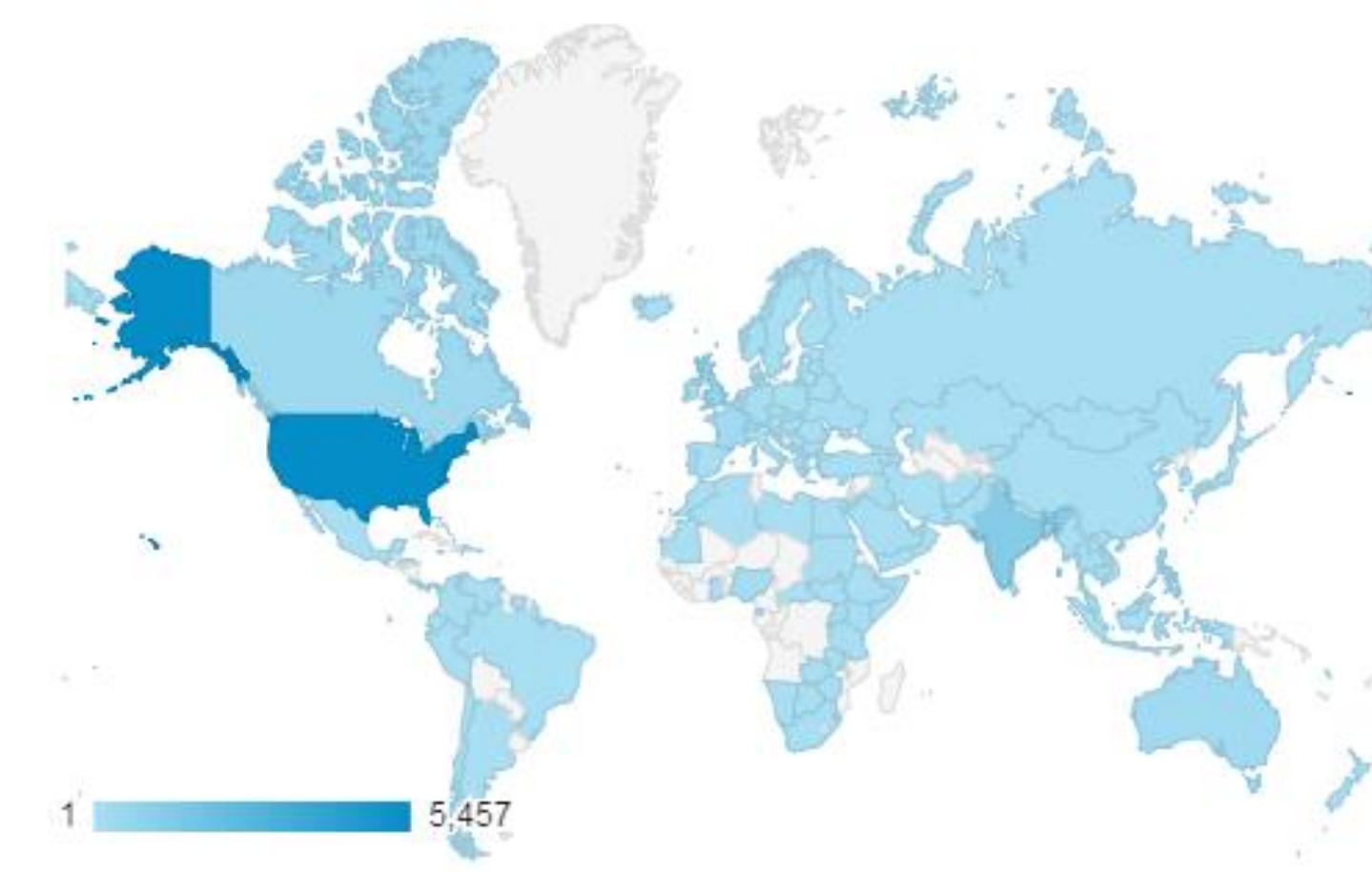
Recent Usage by Device

- desktop
- mobile
- tablet



Device	Users	% Users
Category	10,431	100
desktop	6,058	58.08
mobile	3,787	36.31
tablet	585	5.61

Recent Usage by Country



	Users	% Users
1. United States	5,457	52.32
2. India	1,232	11.81
3. United Kingdom	724	6.94
4. Canada	414	3.97
5. Philippines	362	3.47
6. France	306	2.93
7. Australia	256	2.45
8. Malaysia	139	1.33
9. Nigeria	117	1.12
10. Pakistan	85	0.81



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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.

Content updated and enhanced

- Added videos and images across site
- Expanded NextGen, PBN and metrics 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

Outreach Team

Outreach University Team Members

Penn State Applied Research Laboratory:
Kathleen Hodgdon

Outreach Advisory Committee Members

Gulfstream Aerospace Corporation: Robbie Cowart
Port of Portland Sr. Noise Analyst: Jason Schwartz
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