



1st Sonic Boom Prediction Workshop

Kenrick Waithe

January 11, 2014

Organizing Committee

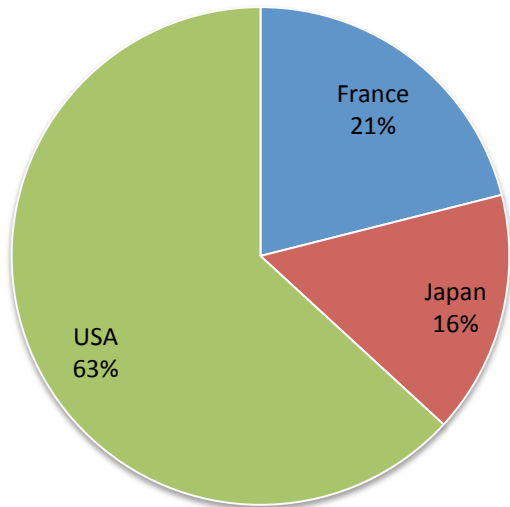
- Boeing (*Eric Adamson and Todd Magee*)
- Cessna (*Kelly Laflin*)
- Dassault Aviation (*Franck Dagrau*)
- Gulfstream (*Don Howe and Kenrick Waithe*)
- JAXA (*Yoshi Makino*)
- Lockheed Martin (*John Morgenstern*)
- NASA (*Linda Bangert, Susan Cliff, Alaa Elmiligui, Lori Ozoroski, Mike Park, Sriram Rallabhandi, Wu Li*)
- ONERA (*Itham Salah El Din*)
- University of Miami (*Gecheng Zha*)

Workshop Objective

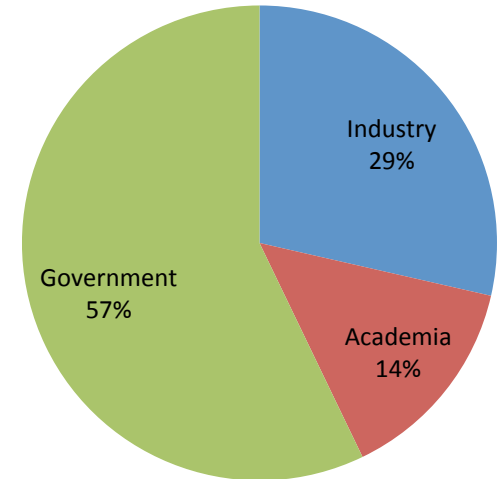
The objective of the First Sonic Boom Prediction Workshop is to assess the state of the art for predicting near field signatures needed for sonic boom propagation.

18 Participants

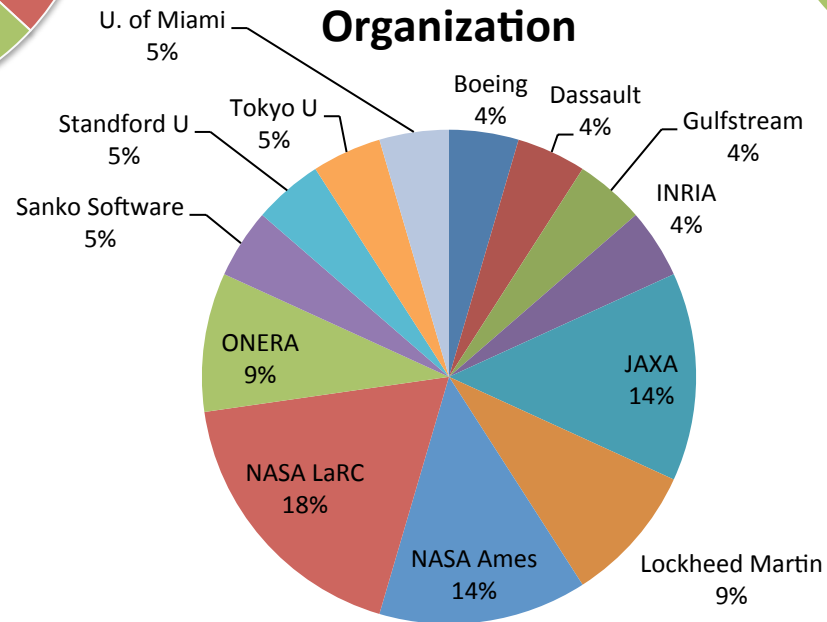
Country



Sector



Organization



Workshop Agenda

8:00-8:05 AM:	Introduction (K. Waithe)
8:05-8:50 AM:	Overview (M. Park/J. Morgenstern)
8:50-9:10 AM:	CFL3D/FUN3D (M. Park)
9:10-9:30 AM:	FUN3D (S. Rallabhandi)
9:30-9:50 AM:	USM3D (A. Elmiligui/S. Cliff)
9:50-10:05 AM:	15 Minute Break
10:05-10:25 AM:	WOLF (A. Loseille/F. Alauzet)
10:25-10:45 AM:	Dassault Aviation Solver (F. Dagrau)
10:45-11:05 AM:	CEDRE/ELSA (I. El Din)
11:05-11:25 AM:	FASIP (J. Gan/G. Zha)
11:25-11:45 AM:	SU2 (J. Alonso/F. Palacios/ T. Lukaczyk/G. Carrier)
11:45 AM - 12:05 PM:	Modified Linear Theory (J. Morgenstern)
12:05-1:05 PM:	1 Hour Lunch Break (NOT PROVIDED)
1:05-1:25 PM:	TAS/UPACS (H. Ishikawa/Y. Makino)
1:25-1:45 PM:	ADCS (Z. Lei/Y. Makino)
1:45-2:05 PM:	FaSTAR (M. Kanamori/A. Hashimoto/T. Aoyama)
2:05-2:25 PM:	CART3D (M. Aftosmis)
2:25-2:45 PM:	CART3D/OVERFLOW/CFD++ (T. Maggee)
2:45-3:05 PM:	CART3D/OVERFLOW (D. Howe)
3:05-3:20 PM:	15 Minute Break
3:20-3:40 PM:	CART3D (W. Li)
3:40-4:00 PM:	CFD++ (F. Marconi/M. Buonanno)
4:00-4:20 PM:	LAVA/OVERFLOW (C. Kiris/C. Brehm/E. Sozer)
4:20-5:00 PM:	Summary (M. Park/J. Morgenstern)
5:00-5:30 PM:	Open Discussion