

Report on the **U.C. Davis**  
**Aviation Noise & Emissions Symposium**

Long Beach, CA  
February 25 to 27, 2018

Report presented to the:  
**LAX Community Noise Roundtable**

Presented by:  
Martin Rubin  
LAX Community Noise Roundtable Member

Date: May 09, 2018

# SUNDAY, FEBRUARY 25

**Air Traffic 101** - Dianne Johnson, FAA -- Michael Valencia, FAA

**Emissions 101** - Mike Kenney, KB Environmental -- John Pehrson, CDM  
Smith -- Steve Sonka, CAAFI

**Noise 101** - Steve Alverson, ESA -- Gregory Maxwell, Casper

## **Airport Noise Officer and Environmental Managers**

(Hosted by Sandy Lancaster, DFW International)

ANOs and EMs welcome to discuss your Airport's issues and learn from others best practices.

## **Community Group Workshop**

( Hosted by Dave Carbone, LGN Aviation Policy Group)

Community members invited to meet the newly appointed Community Involvement Manager for Airspace Projects at the FAA, Julie Marks, and get the big picture of how your community can work with the FAA.

# MONDAY, FEBRUARY 26

## TECHNOLOGY, THE LONG TERM SOLUTION

*(Hosted by Armando Tovar, Raleigh- Durham International Airport)*

*Overcoming the environmental challenges facing aviation* - Dr .Jim Hilerman,  
FAA

*Accelerating Innovation for Community Noise and Emissions Reduction* -  
Jeanne Yu, Boeing

*Disruptive Market Opportunities* - Pradeep Fernandes, Boeing Horizon X

## SUSTAINABILITY AND ALTERNATIVE FUELS

*(Hosted by Steve Csonka CAAFI)*

*Sustainable Alternative Aviation Fuels* - *Development Deployment and Emissions Reduction* -Prem Lobo, National Research Council, Canada

*Pioneering Tales From the World's First Renewable Jet Refinery* - Brian Sherbacow, AltAir Fuels

*Regional Approaches to Alternate Jet Fuel Development* - Mike Wolcott,  
Washington State University

*Fueling Aviation's Future With Unleaded* - Dan DeMeo, San Carlos Rabbit  
Aviation

**MONDAY, FEBRUARY 26 - *continued***

**GENERAL AVIATION**

*(Hosted by Gabe Andino, Teterboro Airport)*

Panel Discussion - Gretchen Kelly, San Carlos Airport; Brian Cook, Gulfstream Aerospace Corporation; Alex Gertsen, National Business Aviation Association

**OPERATIONS**

*(Hosted by Sandy Lancaster, DFW International)*

*Operational Concepts and an Analysis Framework to Manage Noise and Address PBN Flight Path Concentration* - John Brant, MITRE

*Development of Advanced Procedures for Noise Reduction at BOS* - John Hansman, MIT

*A Pilot's perspective on arrival noise* - Jonathan Bonds UPS

**Platforms for regional consensus**

*(Hosted by Dave Carbone, LGN Aviation Policy Group)*

*Panel Participants* - Joseph Annuzio, Chicago O'NCC; Dave Kiff, Newport Beach City; James Casteñeda, San Mateo County

# TUESDAY, FEBRUARY 27

## PLENARY

- *Building a Faster Future addressing environmental issues for new-generation supersonic travel* - Eli Dourado, Boom Supersonic

## LEGISLATIVE & REGULATORY UPDATE

*(Hosted by Ambrose Clay, City of College Park)*

- *Congressional and Federal Update* - Emily Tranter, N.O.I.S.E.
- *Aviation Noise and Sleep Disturbance* - Mathias Basner, University of Pennsylvania
- *Ongoing Research on Aircraft Noise and Cardiovascular Outcomes* - Junenette Peters, Boston University

**TUESDAY, FEBRUARY 27 - *continued***

**NEW ENTRANTS & BUSINESS MODELS: The big picture**

*(Hosted by Gabe Andino, Teterboro Airport)*

- *Unmanned Aircraft Systems (USA) Intergratiuon in the National Airspace System (NASD) Project* - Johnson, NASA UAS-NAS Project
- *Urban Air Mobility for Cargo and Passengers* - Parimal Kopardekar, NASA UTM
- *NASA Revolutionary Vertical Lift Technology Project Research* - Susan Gorton, NASA

**TECHNOLOGY: THE LONG TERM SOLUTION**

*(Hosted by Armando Tovar, Raleigh-Durham International Airport)*

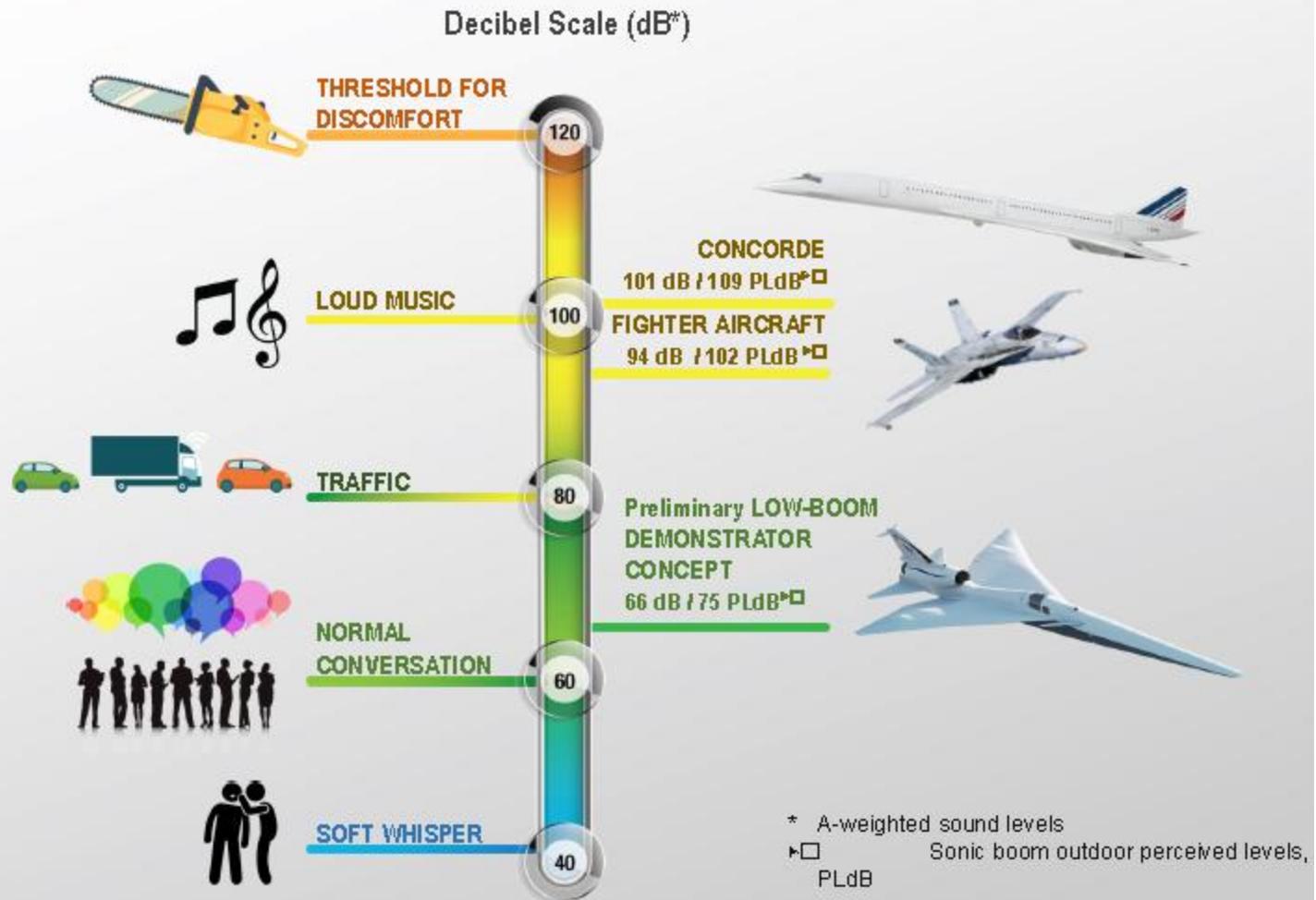
- *NASA Low Boom Flight Demonstration Projevt Overview* - Craig Nickol, NASA
- *NASA Aeronautics - Strategy for the Future* - Ed Waggoner, NASA



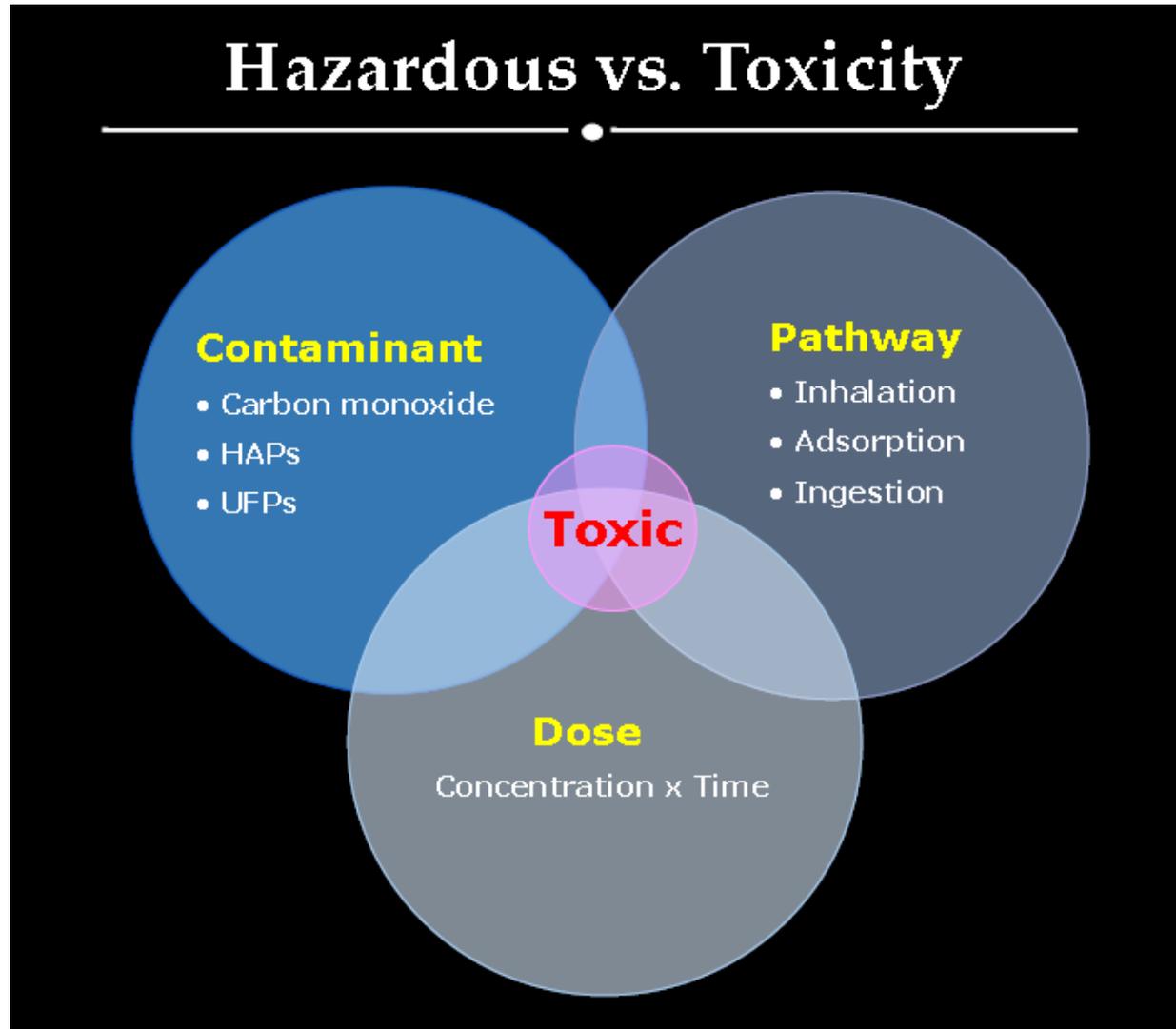
Martin Rubin with Palo Alto Activist Jennifer Landsman during lunch break.  
*(Photo by Sandra Hall)*

# NASA Low Boom Flight Demonstration (LBFD) Project Overview Page #8

## Supersonic Aircraft – Loudness Comparison



From page 25 of: Air Emissions “101”



# Some of my recommendations:

- A panel of community activists should be invited to next years Symposium
- Enact Federal Laws to truly protect people's health over corporations' profits
- Invest in truly sustainable alternative forms of transportation.

# My request:

I ask our Roundtable to also include air pollution impacts from LAX operations into its work program.