

Welcome

Aviation Noise Impacts Roadmap Meeting

April 19-20, 2011

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Meeting goals

- **Coordinate research activities and findings among stakeholders**
- **Update and advance our collective scientific knowledge of the impact of aircraft noise on society**
- **Continue to pursue collaborative research**
- **Execute research program as funding is available**
- **Prepare for policy implications of research**



International Participants

- **European Network on Noise and Health (ENNAH), European Union**
- **Community Oriented Solutions to Minimize aircraft noise Annoyance (COSMA), European Union**
- **German Aerospace Center (DLR)**
- ***IfADo* Leibniz-Institut für Arbeitsforschung an der TU Dortmund, Germany**
- **Manchester Metropolitan University, UK**
- **Queen Mary University of London, UK**

Participating US Federal Agencies

- **Department of Housing and Urban Development (HUD)**
- **National Aeronautics and Space Administration (NASA)**
- **Department of Defense (DOD)**
- **National Park Service (NPS)**
- **Centers for Disease Control and Prevention (CDC)**
- **National Oceanic and Atmospheric Administration (NOAA)**
 - National Marine Fisheries Service
- **National Institutes of Health (NIH)**
- **Department of Transportation:**
 - Office of the Secretary of Transportation (OST)
 - Volpe Center
 - Federal Aviation Administration (FAA)



Attendees

- **Academia**
- **Consultants**

Special thank you

- **Jim Potter, HUD**
- **Patty Friesenhahn, FAA AEE**
- **Nick Miller, HMMH**



Meeting format and materials

- **Questions**
- **Open discussion**
- **Questionnaires:**
 - Research area knowledge gaps and issues
 - Meeting follow up
- **Meeting follow up discussion:**
 - 2012 meeting
 - What's in between
- **Aviation Noise Roadmap document**
 - Describes research programs
 - Describes existing research
 - Identifies current research gaps
 - Identifies future research activities
 - Will incorporate your input (send before 5/31/2011)



Critical Research Areas

- **Noise effects on health and welfare**
 - Review/update basis for establishing significant impact
 - Potential health & welfare impacts, including areas currently considered noise-compatible
- **Noise in National Parks and wilderness**
 - Impacts on national parks and wilderness areas
 - Noise modeling improvements for aircraft at higher altitudes
- **Aircraft noise modeling**
 - Other operational regimes
 - Unconventional aircraft
- **Costs of aircraft noise on society**
 - Common currency with other environmental costs for informed decision making

Open discussion moderators

- **Mathias Basner/UPenn - noise effects on health and welfare**
- **Maryalice Locke/FAA - costs of aircraft noise on society**
- **Christopher Roof/Volpe, Rebecca Cointin & Bill He /FAA - aircraft noise modeling**
- **Cynthia Lee/Volpe Center - noise in national parks and wilderness**

