

**Research topics in Aviation Sustainability from TRB AV030(1) January 13, 2009**

**actions**

- Calvin Davenger - introducing BMPs to airlines.
- Gail Staba - tackling low hanging fruit.
- Jennifer Salerno - low hanging fruit;
- TJ Schulz - Incorporating sustainability concepts into airside projects, possibly with standards and certification. ACC, ACI-NA, others, working to gather broad compilation of sustainability initiatives.
- building a "green airport" and the obstacles to achieving it;
- Natalia Sizov - reducing noise.

**planning and decision-making tools**

- Gene Peters - industry standards for evaluating sustainability measures and defining metrics, especially non-building related activities;
- Darcy Zarubiak - integrating sustainability into financing decisions.
- Brian Kim - models, tools, processes, methods improved to provide better information for decision-making.
- Cheryl Koshuta - getting at life-cycle costs and the broader definition of sustainability.
- Mary Vigilante - getting beyond green to full sustainability concepts, particular at the decision-maker level.
- Julie Unland - restrictions for using public money for sustainability-related projects.
- Tony Dziepak - accounting for externalities;
- Burr Stewart - using visual tools to integrate and communicate dimensions of sustainability.
- biodiversity impacts.
- life-cycle issues.

**governance and collaboration issues**

- John Pehrson - would like to see research showing there is not an issue.
- democracy of sustainability.
- Antony Evans - solutions for the developing world.
- Leo Roy - transportation more broadly; mode-shifting (life-cycle analysis comparison).
- Joanne Potter - sustainability solutions need to be cross-modal; multi-modal transportation issues.
- Elaine Croft - what is a sustainable airport and how does it integrate into the community.

**relation to climate change**

- Steven Davis-Mendelow - sustainability in a fossil fuel based industry;
- Andy MacTaggart - alternative fuels.
- Doug Smith - risks of aircraft related emissions; impact of cultural, behavioral practices on need to reduce carbon.
- Judith Patterson - how to get back to 350 ppm CO2.
- Phil Devita - incorporating alternative energy sources and increasing energy efficiency, balancing sustainability principles.

**definitions of sustainability**

- Alexis Roque - trying to get an understanding of sustainability
- Roger Wayson - the definition of sustainability is ever changing.
- Jessica Steinhilber - making sustainability understandable to those implementing it.
- Dean Mericas - how to sell sustainability to the people in the trenches - operations, maintenance.
- John Putnam - trying to understand the big picture of sustainability.
- Mary Ellen Eagan - common definition of sustainability.
- Kevin Welsh - need common definition.
- Dave Bell - definition of sustainability.
- defining sustainability.