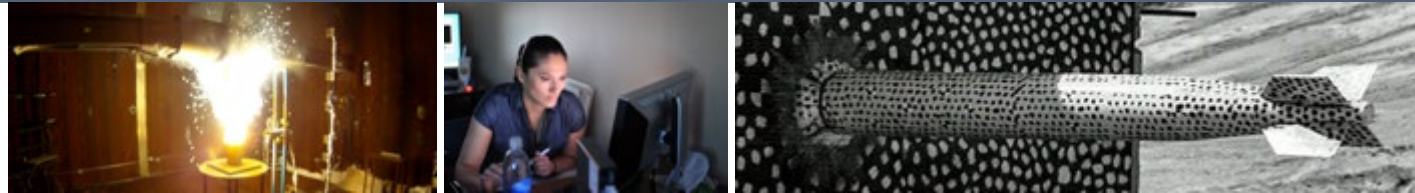


Air Quality Benefits of SAF Usage on the Health of Disadvantaged Communities



Drs. Shruti Mishra, Anthe George, Sandia National Laboratories
Drs. Elena Austin, Magali Blanco, University of Washington

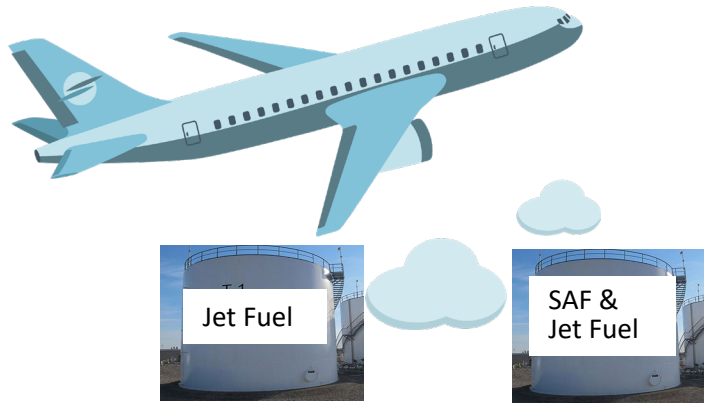
Acknowledgements

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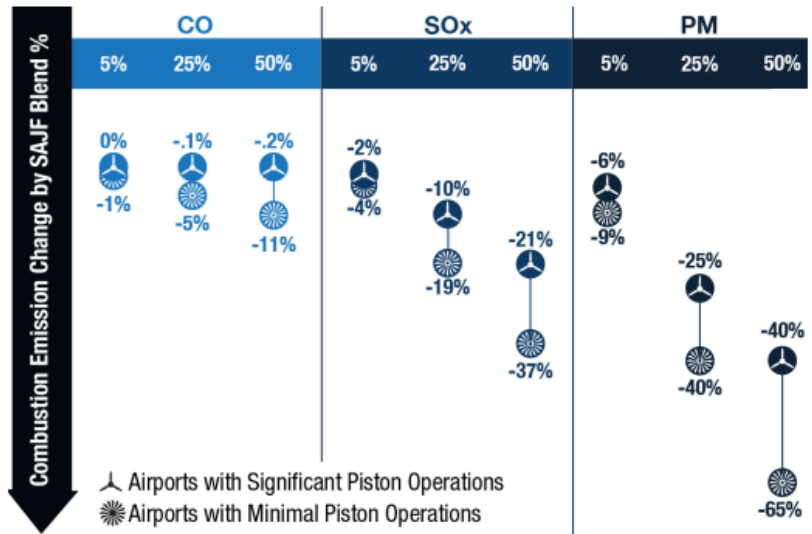


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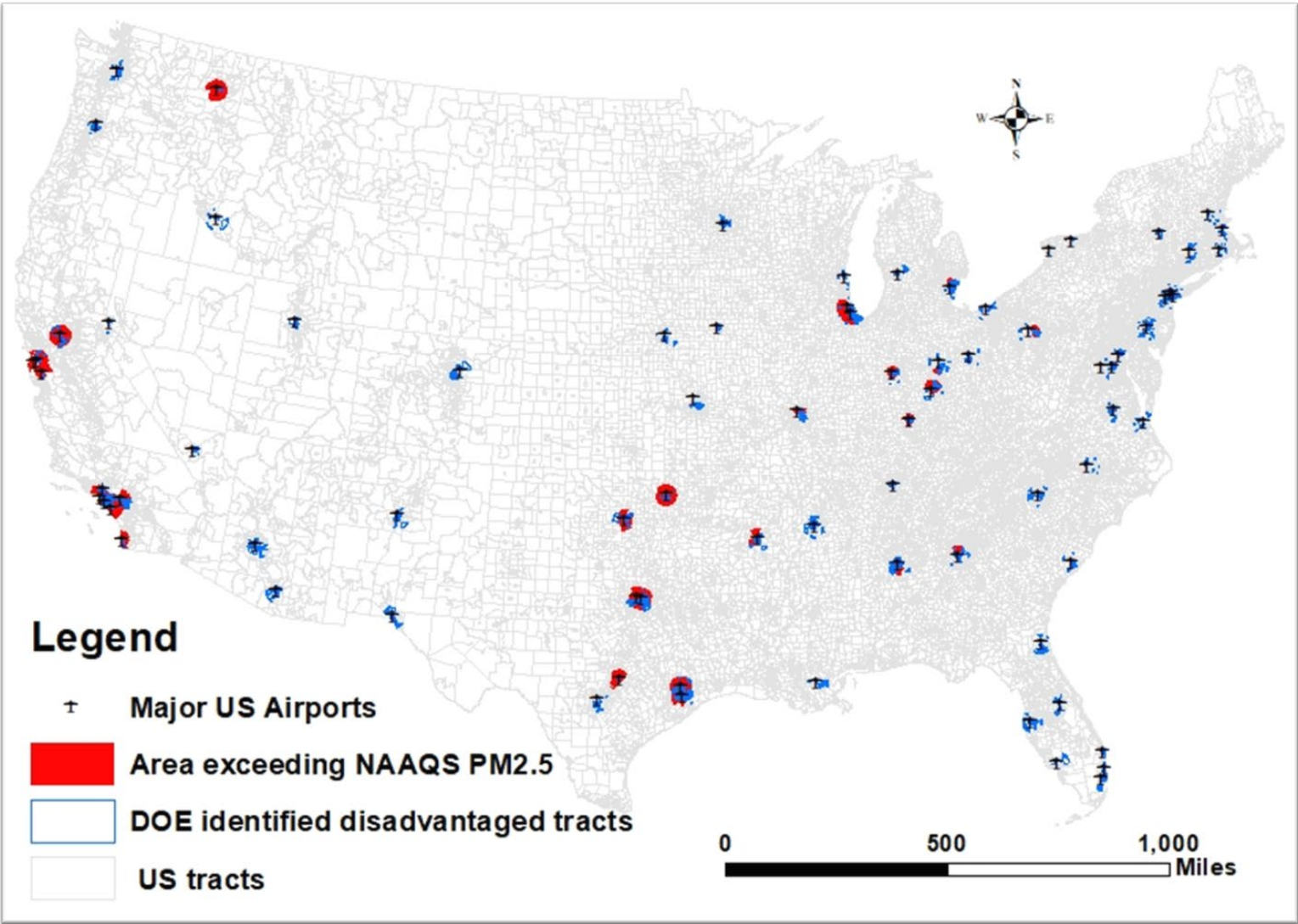
BENEFITS OF SUSTAINABLE AVIATION FUELS TRANSCEND BEYOND CO₂



Emissions Changes and Air Quality Impacts



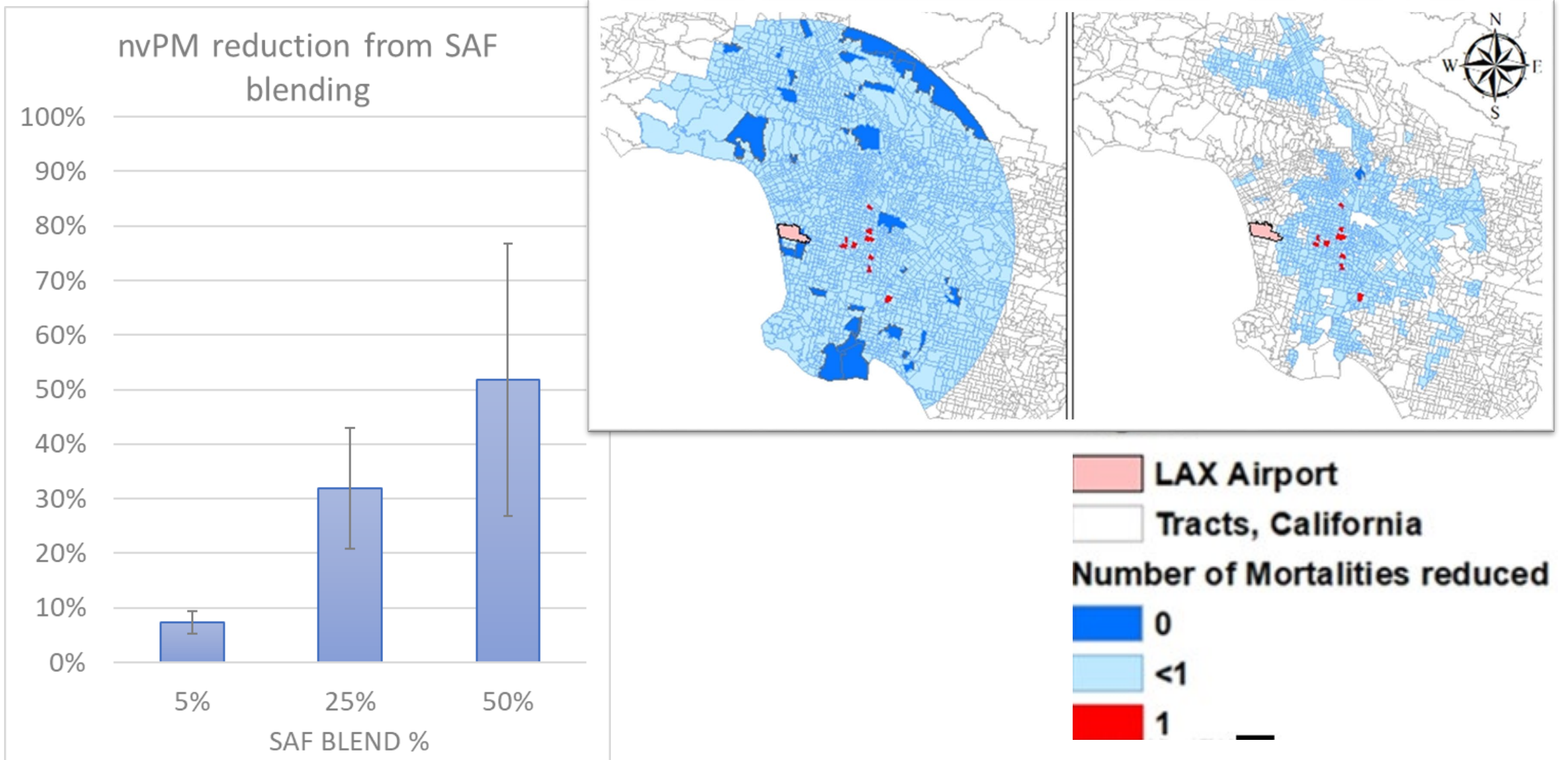
Source: National Academies of Sciences, Engineering and Medicine, Transportation Research Board, Airport Cooperative Research Program



Reduction in Mortalities & Morbidities

Disadvantaged communities live disproportionately close to airports

SAF LEADS TO REDUCTION IN EMISSIONS & HEALTH BENEFITS TO DAC



The DAC within 10 km & 25 km of LAX share 30-75% & 43-68% of the health benefits (Mishra et al., 2023)
Near SeaTac airport, 74% of the SAF-related benefits goes to DAC benefits (Mishra et al., 2023; Gunda et al., 2023).



Summary

