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TRANSPORTATION RESEARCH BOARD

2021 Meeting Agenda: Air Quality and GHG Mitigation Committee (AMS 10)

TRB 2020 Spotlight Theme: *"Launching a New Century of Mobility and Quality of Life."*

Date: Wednesday, January 13, 2021

Time: 12:00 pm to 1:30 pm (U.S. Eastern Time)

Place: Virtual Meeting

- **Doug Eisinger**, Sonoma Technology, Committee Chair
- **Marianne Hatzopoulou**, Univ. of Toronto, Committee Research Coordinator
- **Alex Bigazzi**, Univ. of British Columbia, Paper Review Coordinator

Meeting focus: GHG mitigation research needs, paper review process, 2021-22 mid-year meetings

1. **Introductory Poll, meeting goals, other AMS10 events at TRB this year (D. Eisinger, 5 min.)**
2. **Paper review process, outcomes, team for 2021-2022 (A. Bigazzi, 5 min.)**
3. **Invited talks**
 - **Randall Field**, MIT Energy Initiative: "Insights into Future Mobility." (10 min.)
 - **Jonn Axsen**, Simon Fraser Univ., "Deep CO₂ mitigation in road transport." (10 min.)
 - **Q&A and discussion (10 min.)**
4. **GHG mitigation research needs: virtual breakout sessions (M. Hatzopoulou) (35 min.)**
 - Breakout room mechanics with facilitator intros for each group (5 min.)
 - One breakout session. Break into groups shown below, record outcomes on a Google sheet, one tab per topic, a facilitator for each topic. Focus: "What are the most pressing GHG mitigation research needs?" (20 min.)
 1. Passenger fleet electrification
 2. Freight electrification
 3. Integration across electric power generation and on-road fleet electrification
 4. Co-benefits (GHG, air quality)
 5. Fuels
 6. Behavior-based approaches
 7. Economic tools (e.g., pricing, incentives)
 8. Connected and Autonomous Vehicles (CAVs)
 9. Shared mobility (e.g., Uber/Lyft)
 10. Land-use planning
 11. Lifecycle analysis and embodied GHG emissions
 - Digest of what was identified, and next steps (M. Hatzopoulou) (10 min.)
5. **Summer conference planning for 2021-22; (A. Schilla) (5 min.)**
6. **Questions? (D. Eisinger, 5 min.)**
7. **Volunteer roles and appreciation for work in 2020 (D Eisinger & A. Bigazzi, 5 min.)**
8. **Adjourn (by 1:30 pm, EST)**