

Advanced Materials for Transportation (AMT)

Policy messages:

- Explore, discover, and put into practice critical material technologies to enable the development of the technologies.
- Advanced materials are foundational technologies, especially during the transition to low-carbon fuels.
- Expanding material technology development to support the carbon emission lifecycle and electrification.
- Explore materials compatibility for low-carbon fuels and hydrogen.
- Capture critical and sustainable materials data that impacts technologies.

Selected achievements:

- Held a hybrid EXCO meeting on June 29-30, 2023 (Vienna, AUT) and a virtual EXCO meeting on January 16-18, 2024
- Added 4 new subtasks to Annex XIII on Low Carbon Fuels
- Formalized 4 Research Task Areas to explore possible synergies with other TCPs

Dissemination:

- Updated AMT TCP website provides easier access to recent research
- Developing a “members-only” section of the AMT TCP website to house administrative documents
- Started engagement with other TCPs during hybrid EXCO meeting in Vienna, AUT
- During the virtual EXCO meeting in January 2024:
 - Held one full day of TCP coordination meetings during the hybrid EXCO meeting in January 2024 to provide opportunity to provide opportunity for cross communication across complementary TCPs
 - As part of the one-day TCP coordination meeting, held a Mini-Workshop on hydrogen ICE material barriers and challenges, developing a roadmap for future research