

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:

- Added 2 new country partners to the AMT TCP (Austria and Brazil)
- Restructured Annex VIII on Thermoelectric Materials – to include Task 1: Thermal management and Task 2: Ultra-conductive materials
- Initiated a new Annex XII on Tailored Engineered Surfaces
- Initiated a new Annex XIII on Low Carbon Fuels and added 4 new tasks

Dissemination:

- IEA Critical Minerals TCP Coordination Group, Summary of first meeting, December 8, 2022
- Annex XIII, Task 1a/1b “The Role of Electric Vehicle Lightweighting in Transportation Sector Decarbonization: A Top-down LCA Approach,” paper linked to website, January 2023
- Organize workshops (first will be late spring/early summer 2023) to discuss how to share/disseminate information.