

## Presentation Abstracts

### **The Powertrain Technology Transition Market Agent Model (PTT-MAM) and application to EU transport policy.**

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We present an introduction to the EC JRC IET Powertrain Technology Transition Market Agent Model (PTT-MAM). This is an extensive System Dynamics simulation model running up to 2050, developed around conceptual market agents and incorporating major factors that influence technology market shares in the EU light duty vehicle road transport sector. The model seeks to integrate a wider range of market, industry and technology dynamics compared to other known models to date, in order to provide better understanding and analysis of market trends and policy options. Several scenarios which explore the dynamics of the powertrain transitions are presented and the findings illustrate that the developed model is able to give strategic insights to authorities, manufacturers and infrastructure providers regarding their respective decisions, policies and challenges in relation to medium and long-term trends in the EU road transport sector.

