EARSC
European Association of Remote Sensing Companies

EARSC Response to the consultation on "Count your transport emissions"

Following the EARSC contribution to the Consultation on Count your transport emissions- "CountEmissions EU" on December 17th 2021, we are now complementing the industry views providing a response to Q27 on the EU initiative which aims to provide a common framework for measuring GHG emissions from freight and passenger transport services.

Response to Question 27 of the survey

"Discussions at the Conference of the Parties (COP26) highlighted the need for countries to accelerate reduction of GHGs emissions and move toward net zero in the longer term understanding where these gases come from and how they disperse in the atmosphere. Satellites placed in orbit carry sensors that detect and record reflected or emitted energy and gases from the Earth surface. As the technology is rapidly evolving satellites are increasingly capable of monitoring GHG emissions with precision and scale and these observations may reduce the uncertainty in GHG emission monitoring by providing data across a range of spatial, temporal and spectral resolutions or scales. Today Governments have the capability to engage with data providers and collect local, national and global baseline data for all relevant GHGs in a sustained manner and with measurement availability bringing additional point-source emissions monitoring capabilities for specific GHGs. The hybrid models integrating satellite derived data with "in situ" data and models are increasingly emerging and leveraging strengths for collection of datasets from transport GHGs emissions. Satellites are a cost-effective and proven system for observing emissions, proving accurate, reliable and frequent data to support decarbonization strategies."