

ST17: The first European emission inventory for UFP-PNSD and non-exhaust vehicle PM emissions is provided by RI-URBANS. This is a key tool to set up emission limits and supply the inventories for the modeling of ambient levels of these advanced air pollutants.

The linked resources for this ST include:

- 1) M13 (M3.2) Dataset on UFP-PNSD and non-exhaust sectoral emission distribution over Europe and pilot cities scales: https://riurbans.eu/wp-content/uploads/2022/11/RI-URBANS_M13_.pdf While the novelty is the UFP-PNSD and non-exhaust sectoral emission distribution over Europe and pilot cities, it is not limited to these but rather provides a complete emission dataset for all relevant species, because this is what is needed to feed the modeling activities in RI-URBANS. Both the main air pollutants which are also included in CAMS-REG (CH₄, CO, NH₃, NMVOC, NO_x, SO₂, PM₁₀ and PM_{2.5}) as well as UFP-PNSD, expressed as particle number emissions, are included in this dataset.