

Agriculture – KL

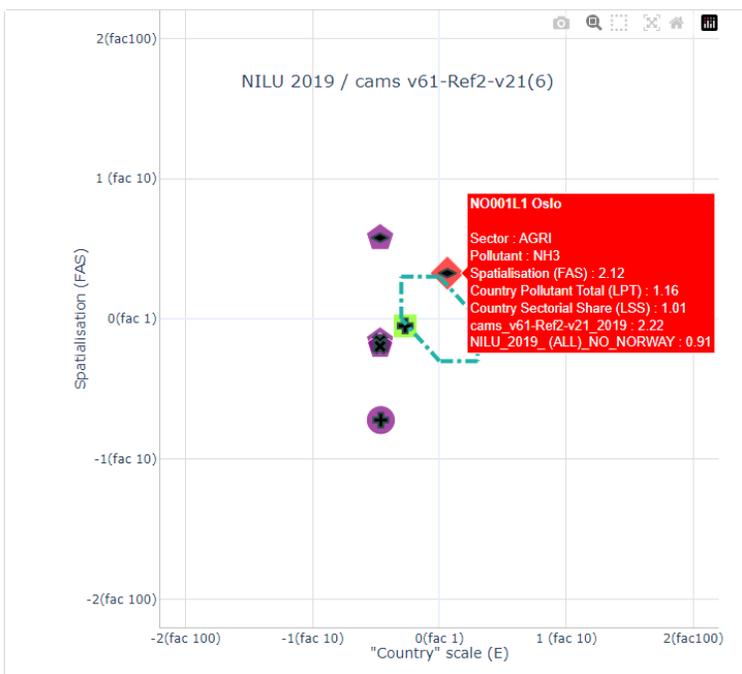
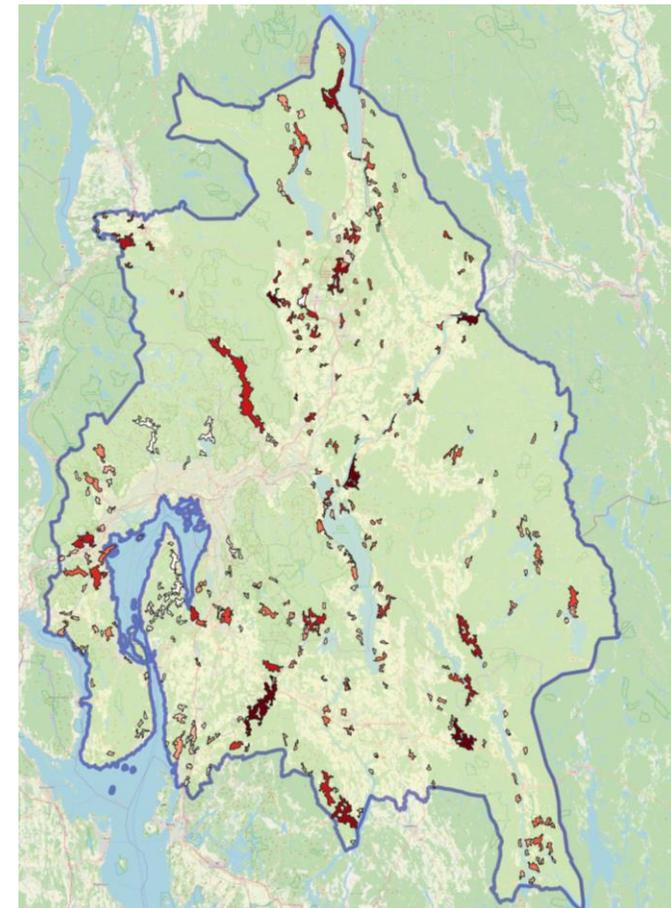
Example of #cattle – agriculture areas

NH3 – Agriculture K (Livestock)

Data sources:

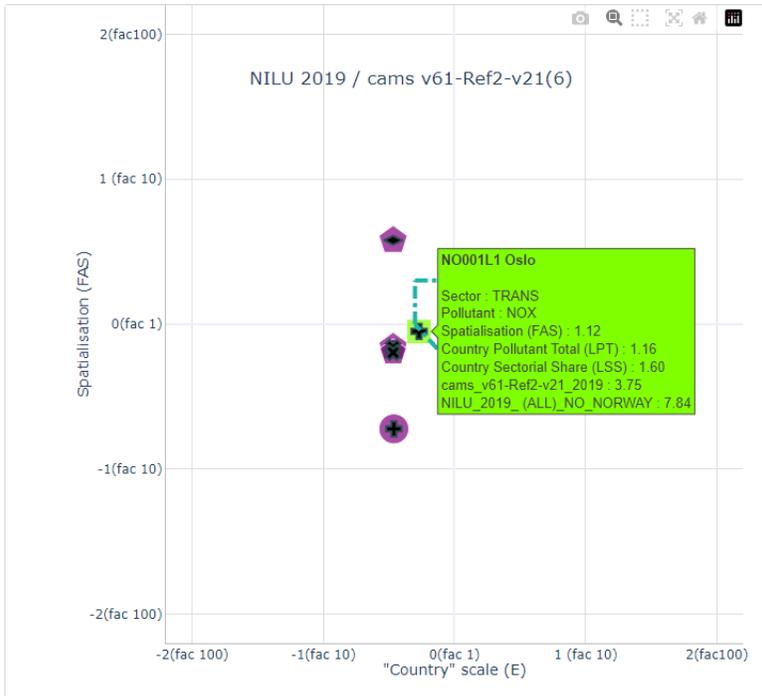
CAMS: Gridded livestock of the world (FAO, 2010), available from the UN Food and Agricultural Organisation (FAO), has been obtained per animal type and converted to a 0.05° × 0.1° resolution.

Local (NILU): Livestock number and type per municipality from Statistics Norway for the year 2019 + CORINE agriculture land use (subclass level)



fua_name Oslo

Sum of Sheep	Sum of Swine	Sum of Goats	Sum of Horses	Sum of Hens	Sum of Broilers	Sum of Other	Sum of Cattle	Sum of Diary
15 968	4 334	-	-	350 747	-	-	26 659	5 706

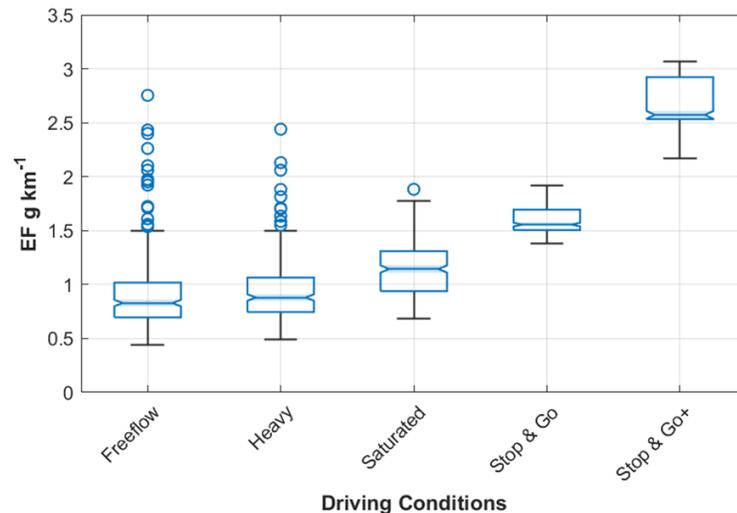


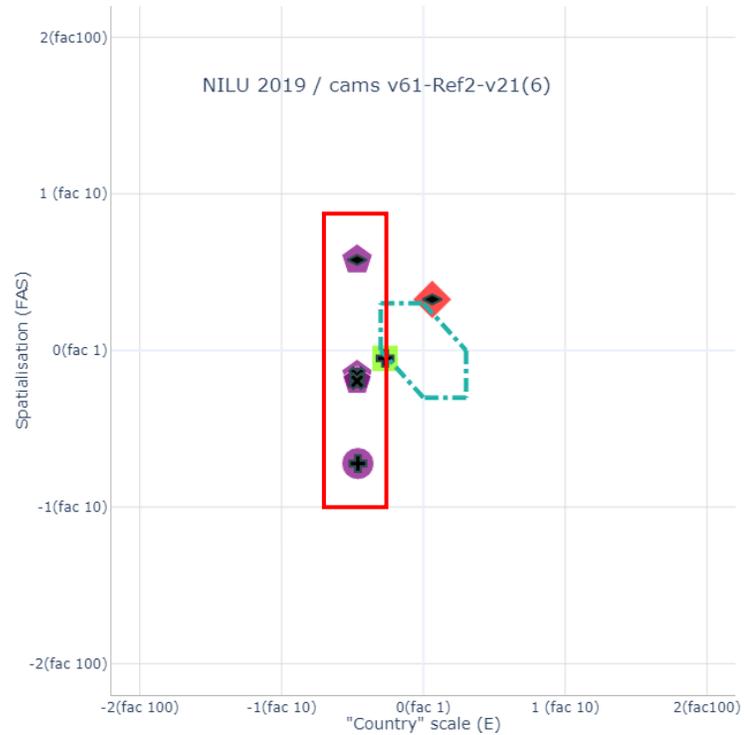
Road Traffic – F

Data sources:

CAMS: merging OSM (road network) and OTM for the traffic volumes in main roads. Intensity is used as proxy for the emissions, **not considering more detailed parameters like vehicle speed, traffic jams, etc.** For smaller roads, where traffic volume was not available, CAMS uses population density.

Local (NILU): a bottom-up model is used as distribution key, **which considers the distribution of the technology class, vehicle speed, congestion, slope....**





Industry – AB – SOx

Data sources:

CAMS: E-PRTR + own point source database + CORINE land cover 2012 industrial area

Local (NILU): Norwegian – PRTR + own point source database for land and off-shore point sources + CORINE land cover industrial area

Hypothesis - two problems: i) national level + ii) local level (it is mainly observed for SO₂)



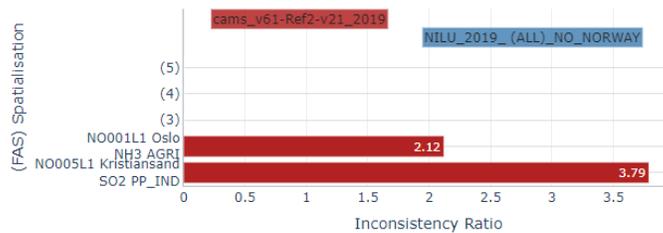
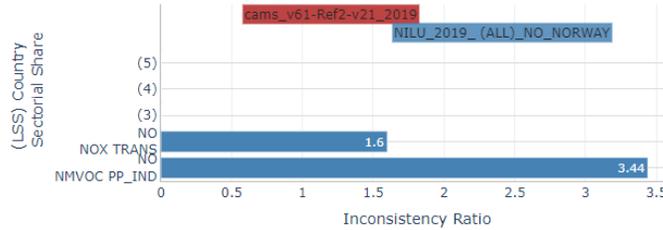
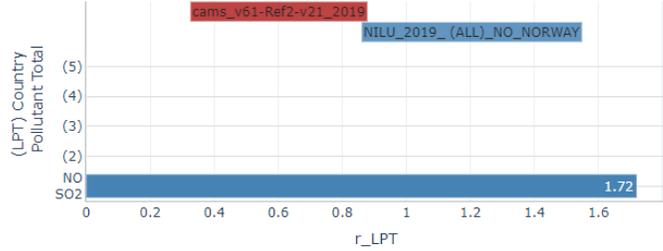
Air releases

This section of the portal display data about pollutant releases and accidental pollutant releases into air

Data disclaimer

- Norway did not report data under the EU Registry (2017 onwards). Historical data have been included through an internal EEA mapping exercise
- Historical data for Slovakia has been included for the period 2007 - 2016 due to new Inspire Id in their 2017 EU Registry. An update will follow shortly.
- Data for reporting year 2018 and 2019 for Liechtenstein and Slovakia is incomplete.
- Data for reporting year 2020 for Liechtenstein, Malta and Slovakia is incomplete
- Data for reporting year 2021 for Czechia, Liechtenstein, Malta and Slovakia is incomplete
- Data for reporting year 2022 for Bulgaria, Czechia, Iceland, Liechtenstein, Malta and Slovakia is incomplete.

Pollutant releases



Industry – AB – SO_x

Data sources:

CAMS: E-PRTR + own point source database +
CORINE land cover 2012 industrial area



Local (NILU): Norwegian – PRTR + own point source
database for land and off-shore point sources +
CORINE land cover industrial area

Inconsistency at LPT – Country Pollutant Totals

SO₂ – check nationals

AB _ CLR TAP (Annex 1): 13.48 kt

Local (NILU):

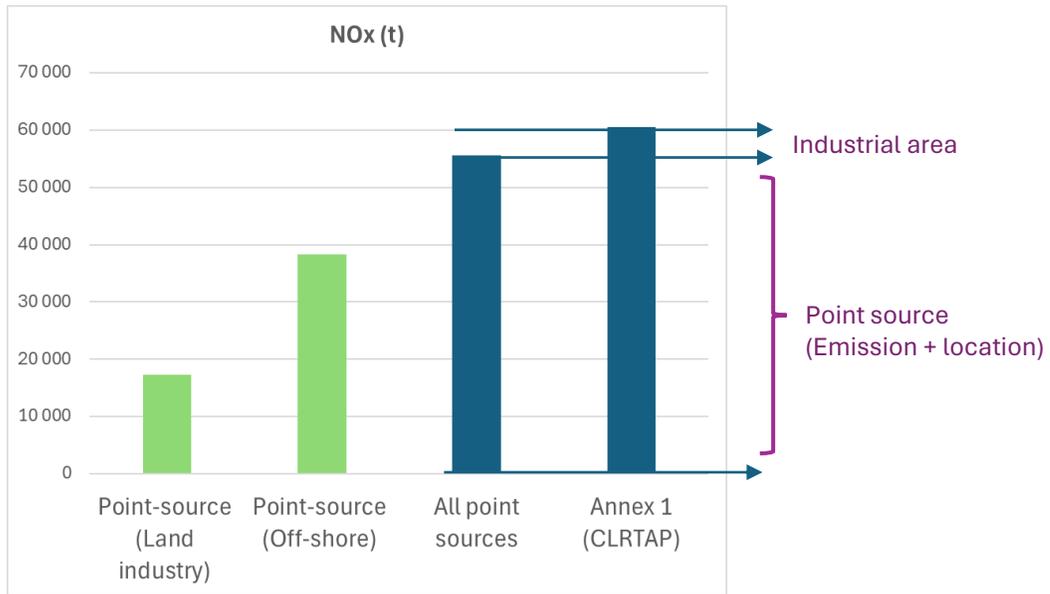
NUTS: 13 kt

FUA: 4.74 kt

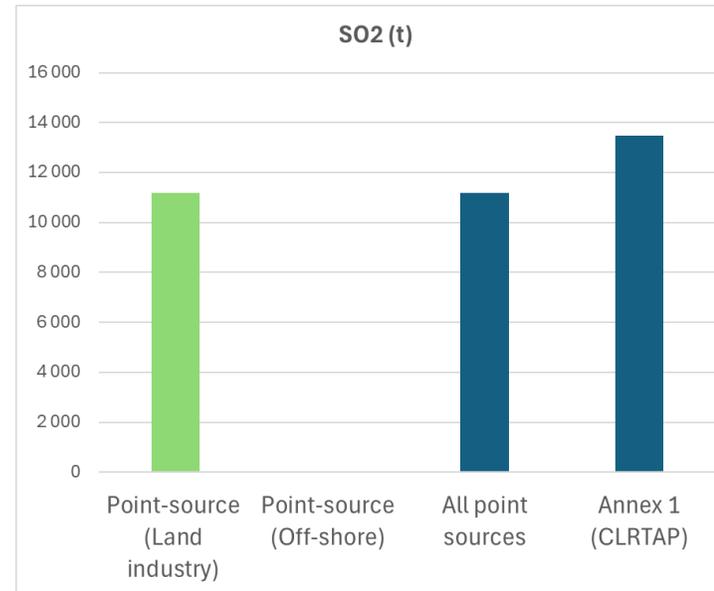
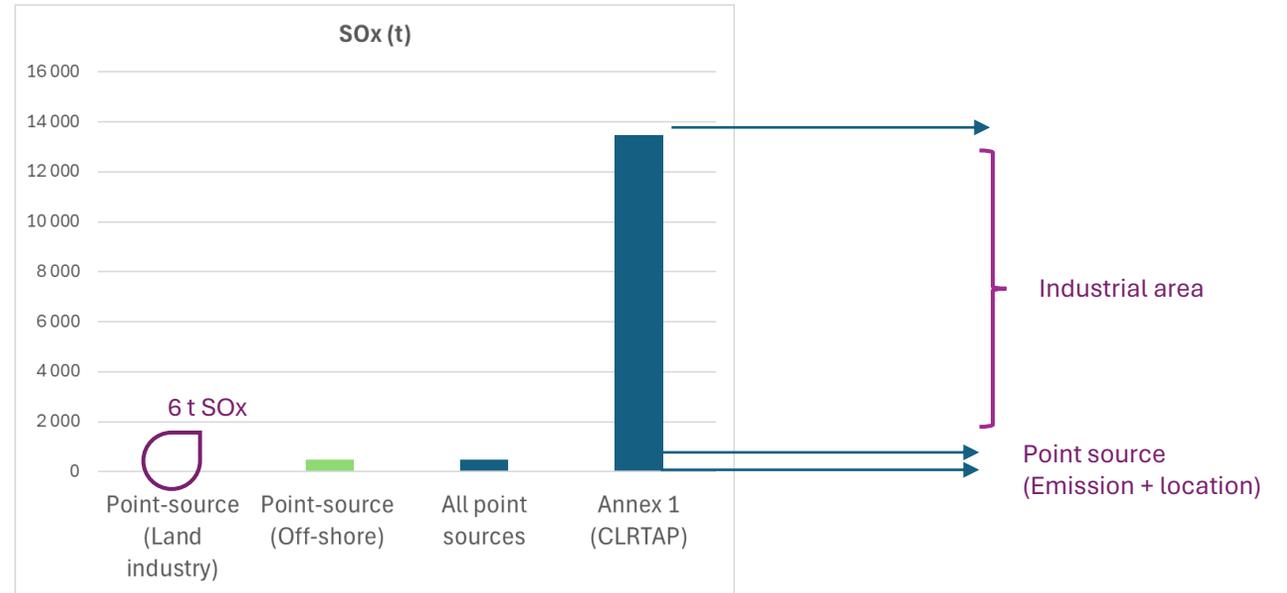
≠ from offshore

Industry (AB) – SO_x – spatial distribution

Norwegian – PRTR



Inconsistency in the Norwegian PRTR in reporting as SO_x and SO₂



Solution
Use SO₂ from land-based point sources instead of SO_x