

Emissions – overview of reporting 2021

WISE 1 – emissions: history

- Started in 2008 in a simple form
- Purpose: to cover all types of pollution sources, even those not covered by other data flows
- Used as a way how to report emissions under WFD

Comparison of reporting between period 2000 – 2011 and 2012 – 2018 (point and/or diffuse sources)

Country code	Period 2000 - 2011	Period 2012 - 2018
AT	yes	yes
BE	yes, not the whole country	yes
BG	yes, at water body level	yes
CH	yes	yes
CY	no	yes (E-PRTR only)
CZ	yes	yes
DE	no	yes (E-PRTR only)
DK	no	yes
EE	yes	yes
EL	no	yes (E-PRTR only)
ES	no	yes (E-PRTR only)
FI	yes	yes
FR	yes	yes
HR	no	yes (E-PRTR only)
HU	no	yes ending 2013 then E-PRTR only
IE	no	yes (E-PRTR only)

<https://www.eionet.europa.eu/etc/etcs-icm/products/etc-icm-reports/emissions-of-pollutants-to-europe2019s-waters-2013-analysis-of-data-reported-under-european-data-flows>

Comparison of reporting between period 2000 – 2011 and 2012 – 2018 (point and/or diffuse sources)

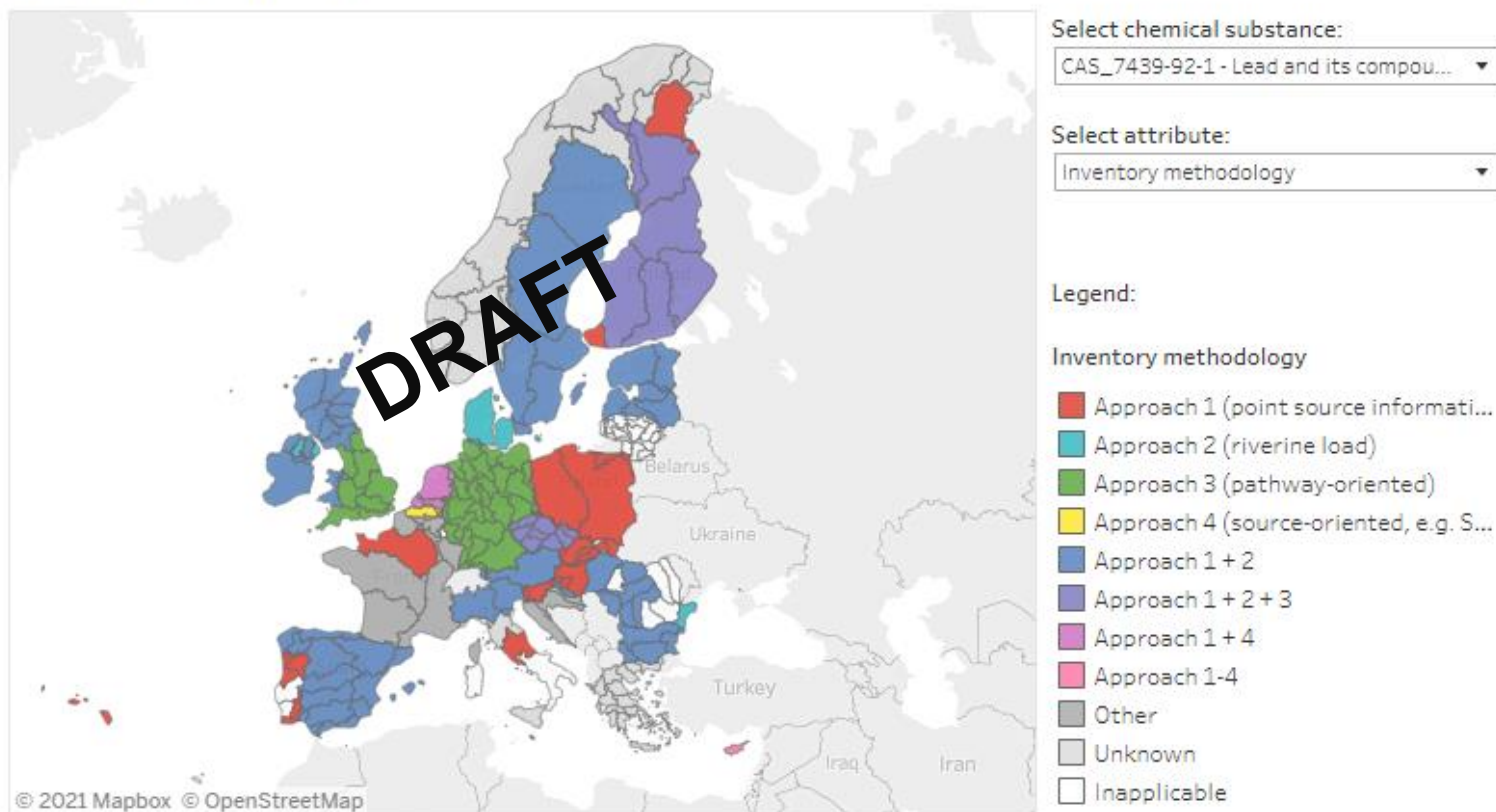
Country code	Period 2000 - 2011	Period 2012 - 2018
IS	yes	yes
IT	no	yes
LI	no	no
LT	yes	yes
LU	no	yes (E-PRTR only)
LV	yes	yes
MK	yes	yes
MT	no	yes (E-PRTR only)
NL	yes	yes
NO	no	yes
PL	no	yes (E-PRTR only)
PT	no	yes (E-PRTR only)
RO	yes	yes
RS	no	yes (E-PRTR only)
SE	yes	yes
SI	yes	yes
SK	yes	yes
UK	no	yes
XK	no	yes

<https://www.eionet.europa.eu/etcs/etc-icm/products/etc-icm-reports/emissions-of-pollutants-to-europe2019s-waters-2013-analysis-of-data-reported-under-european-data-flows>

WFD emissions – inventory approach

CAS_7439-92-1 - Lead and its compounds

Inventory methodology



WISE 1 – emissions 2020

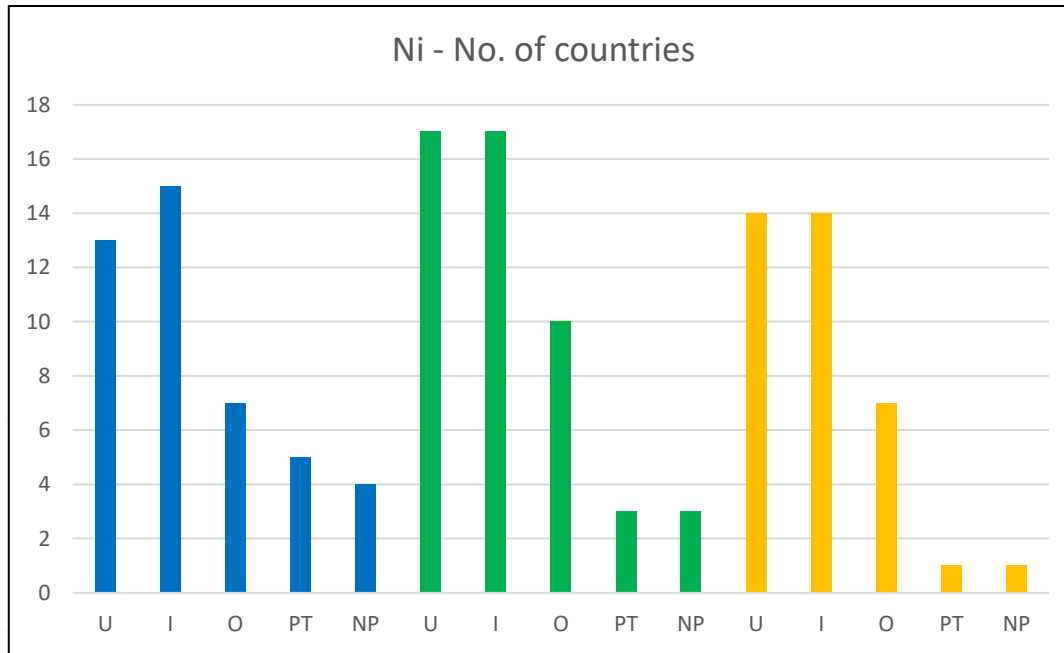
- Reference year 2019
- 17 countries
- 49 pollutants
- Mostly: oxygen conditions, nutrients,
 - less frequent: heavy metals
 - sometimes: PAH, pesticides and others
- All types of sources

WISE 1 – emissions 2019

- Urban waste water (treated or untreated) – 16 countries
- Industrial (treated or untreated) – 15 countries
- Diffuse sources – 5 countries

	oxygen+nutrients	HM	PAH	other (chlorides, AOX, pesticides, pharmac.)	
Industrial	15	14	5	10	
Urban	16	14	5	10	
NP1 – Diffuse - Agricultural emissions	4	0	0	1	
NP2 – Diffuse - Atmospheric deposition	1	1	1	0	
NP3 – Diffuse - Un-connected dwellings emissions	4	1	1	1	
NP4 – Diffuse - Urban run-off	1	0	0	0	
NP5 – Diffuse - Storm overflow emissions	2	1	1	1	
NP7 – Diffuse - Other diffuse emissions	2	1	1	1	
NP8 – Diffuse - Background emissions	2	0	0	0	

WISE 1 – No. of countries, reported 4 heavy metals (Pb, Hg, Ni, Cd)



U = UWWTP
I = Industrial
O = Other
PT = Point
NP = Non-Point

Blue	till 2010
Green	2011 - 2018
Yellow	2019

WISE 1 – emissions Quality checks:

QC:

- Sum UWWTP
- Sum Industrial
- Sum Other
- Sum Point
- Outliers in time series

What to report in 2021 datacall?

Emissions – point and diffuse sources

- Welcome

Riverine input

- Welcome

E-PRTR data

- “No” or “both”

UWWTP x agglomeration approach

- Size categories according to TP size

Direct discharges

- Not possible to report

