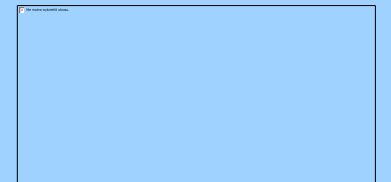


Progress of work CCC

Wenche Aas, Katrine A. Pfaffhuber, Helene L. Halvorsen, Anne-Gunn Hjellbrekke, Sverre Solberg, Kjetil Tørseth, and Karl Espen Yttri



Status of the EMEP data reporting 2024 data

The screenshot displays the EMEP data reporting interface. At the top, logos for NILU, emep, WMO Global Atmosphere Watch, ACTRIS, AMAP, OSPAR, and the European Union are visible. The main section contains several filter panels:

- Framework [1]**: A dropdown menu showing 'EMEP'.
- Country [31]**: A list of countries including Armenia, Austria, Belarus, Belgium, Bulgaria, Cape Verde, and Croatia.
- Station [179]**: A list of stations including Agia Marina Xyliatou / Cyprus Atmospheric Observatory, Aliartos, Amberg, Anholt, Asa, Aston Hill, and Auchencroth Moss.
- Instrument type [48]**: A list of instrument types including abs_solution, abs_tube, ads_tube, aerosol_mass_spectrometer, amalg_tube, aps, and aws.
- Component [384]**: A list of chemical components including 2378_TCDF, 3-buten-2-one, 3-methylheptane, 3-methylpentane, 3-methylphenanthrene, 5-methylchrysene, and 6-2-FTOH.
- Matrix [16]**: A list of matrices including aerosol, air, air+aerosol, air+pm10, instrument, met, and nm1.

Below the filters, there are dropdown menus for 'From' and 'To' years, both set to 2024. To the right, it says 'Available datasets: 8785' with 'Reset' and 'List datasets' buttons.

At the bottom, there is a map titled 'Map (Populate) (Show large)' showing a map of Europe with red pins indicating monitoring stations. To the right of the map is a section titled 'Additional resources' with links to:

- Near-Real-Time data
- European Monitoring and Evaluation Programme (EMEP-CCC)
- Site descriptions - EMEP
- WMO Global Atmosphere Watch (GAW)
- Site descriptions - GAW
- Air mass trajectories
- Data submission
- About EBAS
- EBAS User Feedback Tracker

Below the resources are social media icons for Facebook and Twitter, and a 'Terms' link.

- Deadline was 31 July, 2025
- Most of the EMEP data are in EBAS and available: Data from 30 countries, 179 stations, 384 components are available in EBAS
- Some late submitted data not uploaded to EBAS

Atmospheric Data Training for Next-Gen Scientists & Managers 10-11 Febr

- Held at NILU (for EBAS (ACTRIS, EMEP) and EVDC)
- 26 physical participants, 117 online participants. Recordings available:

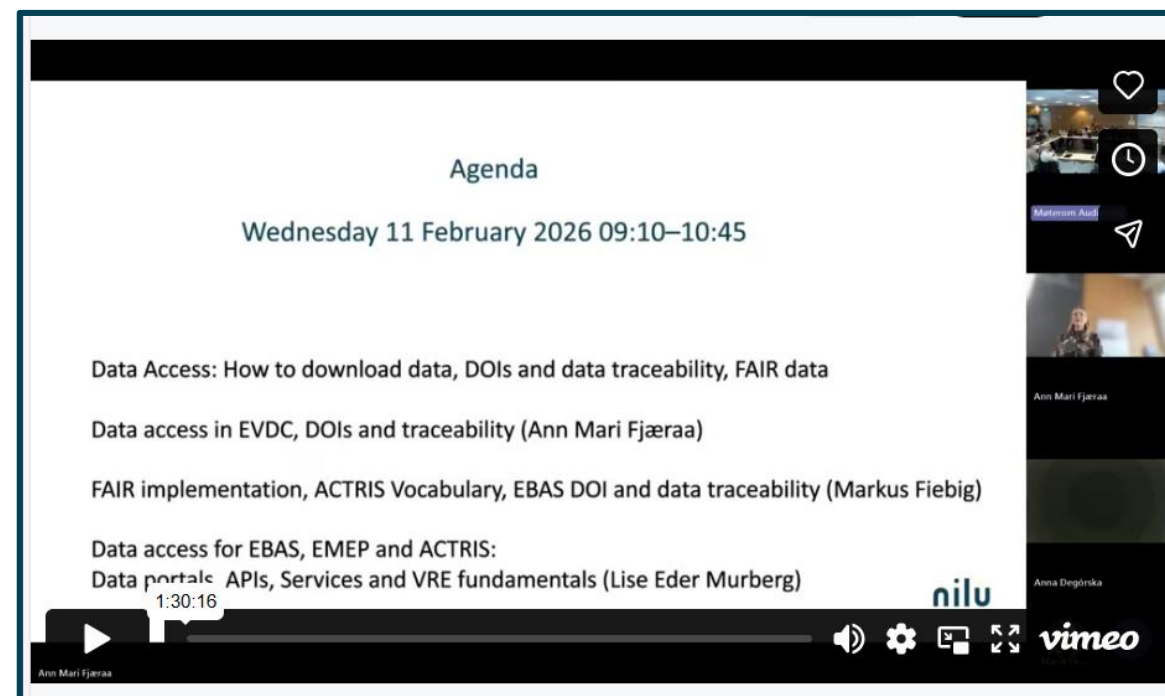
Day 1 (data submission) :

<https://vimeo.com/1164678906>



Day 2 (data access):

<https://vimeo.com/1164678367>



Assessment of VOCs contribution on O₃ (1)

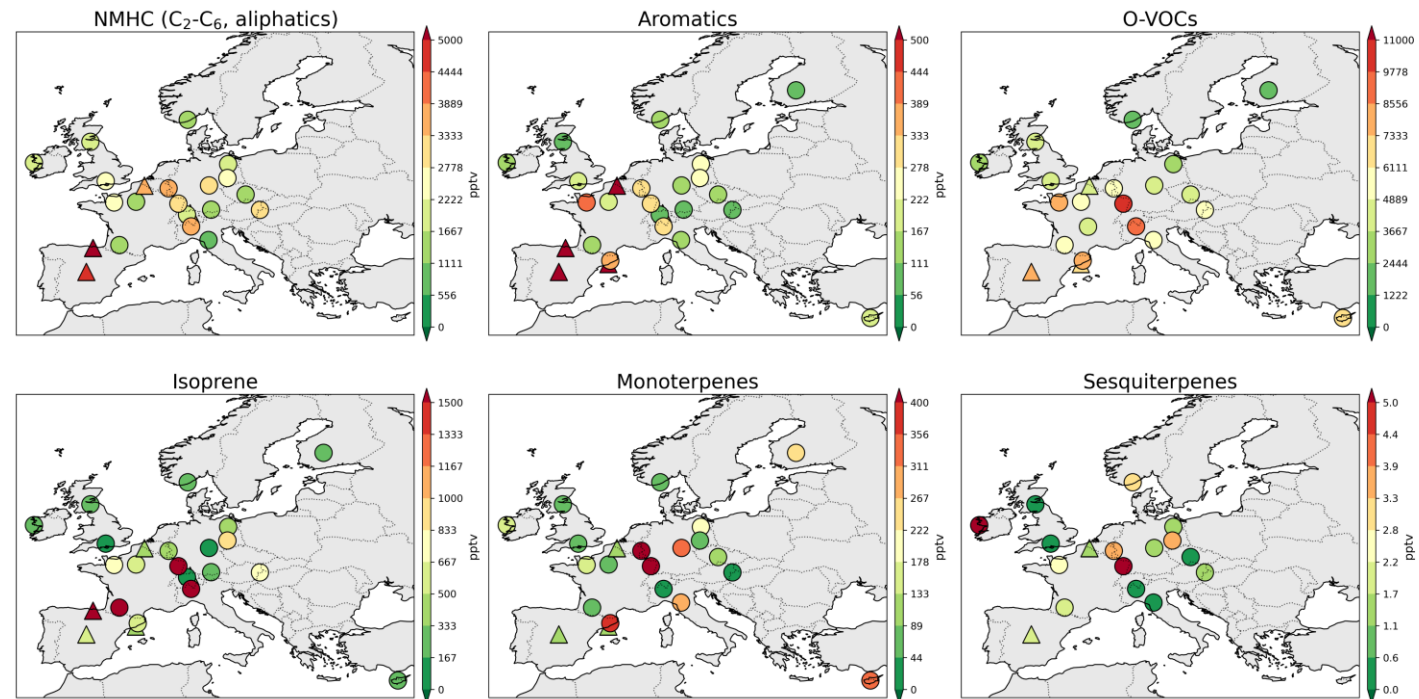
Summer 2022 data assessment in peer review –all data available in EBAS

<https://doi.org/10.5194/egusphere-2025-6166>
Preprint. Discussion started: 30 December 2025
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Spatial variability of VOCs, ozone, and carbonaceous aerosols during the 2022 European summer heatwave

Wenche Aas¹, Thérèse Salameh², Robert Wegener³, Heidi Hellén⁴, Jean-Luc Jaffrezo⁵, Pontus Roldin⁶, Elisabeth Alonso-Blanco⁷, Andres Alastuey⁸, Crist Amelynck^{9, 10}, Jgor Arduini^{11, 12}, Benjamin Bergmans¹³, Marie Bertrand¹⁴, Agnes Borbon¹⁴, Efstratios Bourtsoukidis¹⁵, Laetitia Bouvier¹⁴, David Butterfield¹⁶, Iris Buxbaum¹⁷, Darius Ceburnis¹⁸, Anja Claude¹⁹, Aurélie Colomb¹⁴, Sophie Darfeuil⁵, James Dornie²⁰, Maximilien Desservettaz¹⁵, Elías Díaz-Ramiro⁷, Marvin Dufresne², René Dubus³, Mario Duval²¹, Marie Dury¹³, Anna Font², Kirsten Fossum¹⁸, Evelyn Freney¹⁴, Gotzon Gangoiti²², Yao Ge²³, Maria Carmen Gomez²², Francisco J. Gómez-Moreno⁷, Marie Gohy¹³, Valérie Gros²³, Paul Hamer¹, Bryan Hellack²⁵, Hartmut Herrmann²⁶, Robert Holla¹⁹, Adéla Holubová²⁷, Niels Jensen²⁸, Tuija Jokinen¹⁵, Matthew Jones²⁹, Uwe Käfer²⁶, Lukas Kesper³, Dieter Klemp³, Dagmar Kubistin¹⁹, Angela Marinoni¹¹, Martina Mazzini¹¹, Vy Ngoc Thuy Dinh⁵, Jurgita Ovadnevaite¹⁸, Tuukka Petäjä^{30, 31}, Miguel Portillo-Estrada³², Jitka Přívotníková²⁷, Jean-Philippe Putaud²⁸, Stefan Reimann³³, Laura Renzi¹¹, Veronique Riffault², Stuart Ritchie²⁹, Chris Robins¹⁶, Begoña Artíñano Rodríguez de Torres⁷, Laurent Poulain²⁶, Julian Rüdiger²⁵, Agnieszka Sanocka²⁰, Estibaliz Saez de Camara Oleaga²², Niels Schoon⁹, Roger Seco⁸, Ivan Simmons²⁹, Leila Simon²⁴, David Simpson³⁴, Emmanuel Tison², August Thomasson⁶, Svetlana Tsyro³⁴, Marsailidh Twigg²⁹, Toni Tykkä⁴, Bert Verreyken^{9, 35}, Ana Maria Yáñez-Serrano^{8, 36, 37}, Sverre Solberg¹, Karen Yeung²⁹, Ilona Yliviikka³⁰, Karl Espen Yttri¹, Ágót Watne³⁸, Katie Williams¹⁶

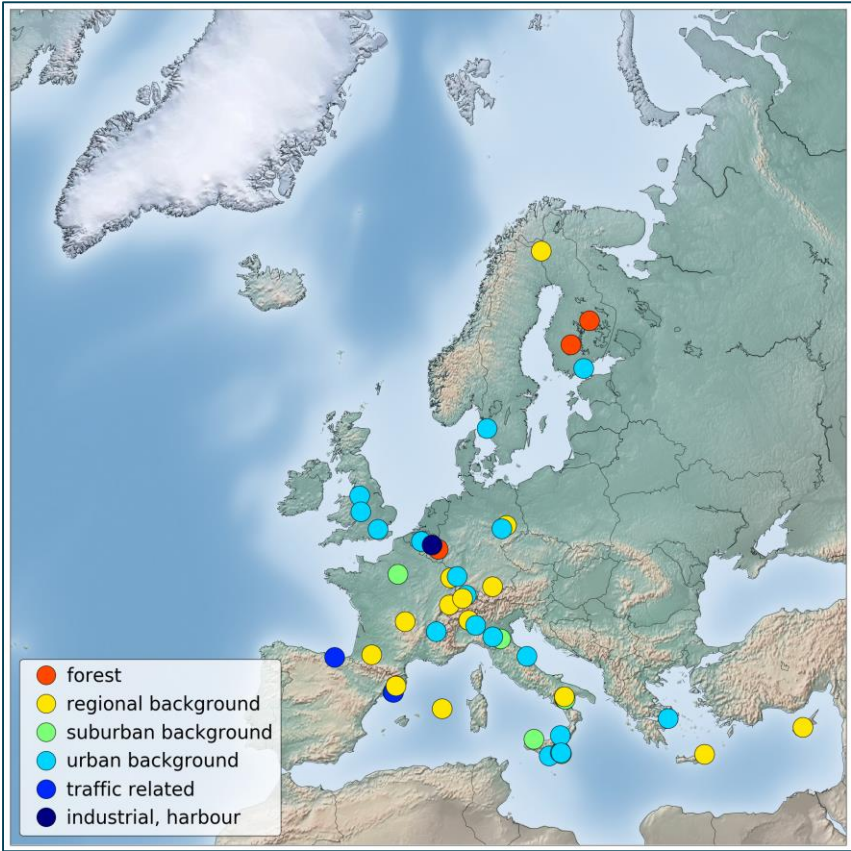


Assessment of VOCs contribution on O₃

(2)

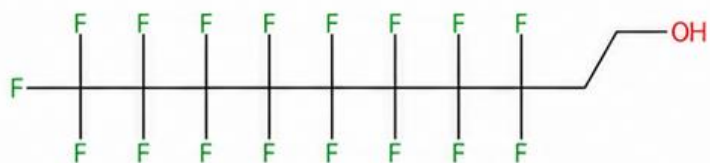
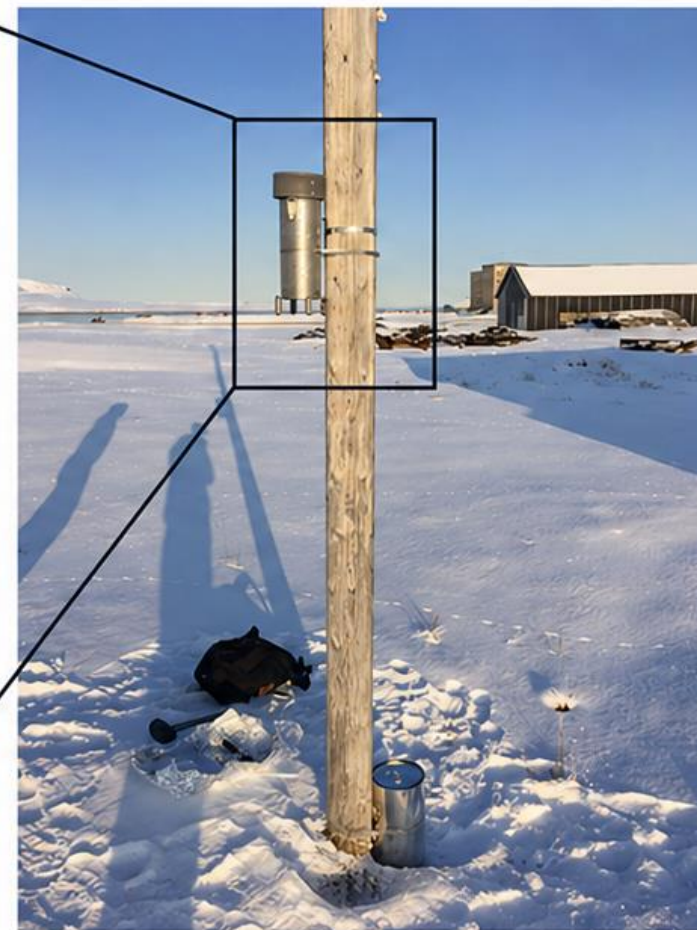
September 2024 data assessment. Data being processed, much data is already available.

Country	Site	Code	VOC	O3	NOx
Belgium	Uccle	BE0006R	received -not processed	in ebas	not received
	Vielsam	BE0007R	in ebas	in ebas	in ebas
	Engis	BE0018U	in ebas	in ebas	in ebas
Switzerland	Jungfrauloch	CH0001G	in ebas	in ebas	in ebas
	Payenne	CH0002R	not received	in ebas	in ebas
	Zürich – Kaserne	CH0010U	in ebas	in ebas	not received
	Beromünster	CH0053R	in ebas	in ebas	in ebas
Cyprus	CAO	CY0002R	not received	not received	not received
Germany	Hohenpeissenberg	DE0043G	in ebas	received IMT -not processed	in ebas
	Melpitz	DE0044R	not received	not received	in ebas
	TROPOS	DE0055B	not received	not received	not received
			not received	not received	not received
Spain	Barcelona – Avenida Roma	ES	received -not processed	in ebas	not received
	Barcelona – Palau Reial	ES0019U	in ebas	in ebas	in ebas
	Bilbao	ES0025U	received -not processed	in ebas	not received
	Montseny	ES1778R	received -not processed	in ebas	not received
Finland	SMEAR III (Helsinki)	FI0038U	received -not processed	in ebas	not received
	SMEAR II (Hyytiälä)	FI0050R	in ebas	not received	not received
	SMEAR IV (Pujo)	FI0063R	not received	not received	not received
	Pallas	FI0096G	in ebas	in ebas	in ebas
France	Grenoble	FR	not received	not received	not received
	Donon	FR0008R	in ebas	in ebas	not received
	Peyrusse-Vieille	FR0013R	in ebas	received -not processed	not received
	SIRTA	FR0020R	in ebas	in ebas	in ebas
	Puy de Dôme	FR0030R	not received	in ebas	in ebas
	Strasbourg (Danube)	FR0057U	received -not processed	received -FR0055U	not received
UK	London Honor Oak Park	GB0023U	in ebas	not received	not received
	Chilbolton Observatory	GB1055R	in ebas	in ebas	in ebas
Greece	Finokalia	GR0002R	not received	in ebas	not received
	Athens NOA	GR0004U	not received	not received	not received
Italy	Gorgoglione	IT	available at IMT - QA issues	available at IMT	available at IMT
	Corieto Perticara	IT	available at IMT - QA issues	available at IMT	available at IMT
	Guardia Perticara	IT	available at IMT - QA issues	available at IMT	available at IMT
	Pietrapertosa	IT	available at IMT - QA issues	available at IMT	available at IMT
	Ispra	IT0004R	in ebas	in ebas	in ebas
	Bologna	IT0022C	received -not processed	in ebas	not received
	Milano-Pascal	IT0025U	received -not processed	not received	not received
	San Lazzaro	IT0043U	in ebas	in ebas	in ebas
	Augusta Marcellino	IT0044U	in ebas	not received	not received
	Città Giardino	IT0045U	available at IMT	in ebas	in ebas
	Gela Tribunale	IT0046U	available at IMT - QA issues	in ebas	in ebas
	Mellilli	IT0047U	available at IMT - QA issues	in ebas	in ebas
	Pace del Mela	IT0048U	available at IMT - QA issues	not received	in ebas
	Priolo	IT0049U	in ebas	ready	in ebas
	SR Belvedere	IT0050U	in ebas	not received	in ebas
	Macerata	IT1795A	not received	not received	not received
	Göteborg (Femman)	SE0028U	in ebas	not received	not received

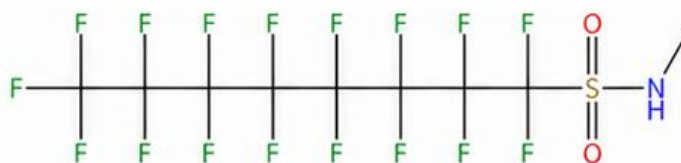


Neutral PFAS EMEP Passive Air Sampling Campaign 2027?

- Proposed summer campaign for 2027
- Neutral PFAS would include known precursors (but not necessarily limited to):
 - Fluorotelomer alcohols (FTOHs)
 - (N-alkylated) perfluoroalkane sulfonamides (FASAs)
 - Perfluoroalkane sulfonamido ethanols (FASEs)
- Distribute 'bird feeder' samplers with XAD-2
- Possibility to include cyclic volatile methyl siloxanes (cVMS) too



8:2 FTOH



MeFOSA

Monitoring of chemicals of emerging concern (CEC)

Siloxane data now being reported.

We are defining vocabulary etc to get these included in EBAS

EBAS Vocabulary	Lookup name	CAS nr
octamethylcyclotetrasiloxane	D4	556-67-2
decamethylcyclopentasiloxane	D5	541-02-6
dodecamethylcyclohexasiloxane	D6	540-97-6
octamethyltrisiloxane	L3	107-51-7
decamethyltetrasiloxane	L4	141-62-8
dodecamethylpentasiloxane	L5	141-63-9
phenyltris-trimethylsiloxy-silane	M3T-Ph	2116-84-9
tetrakis-trifluoropropyl-tetramethylcyclotetrasiloxane	D4F	429-67-4
tris-trifluoropropyl-trimethylcyclotrisiloxane	D3F	2374-14-3
heptamethylphenylcyclotetrasiloxane	Ph-D4	10448-09-6



POP EMEP data: contribution to the Global Monitoring Programme, SC

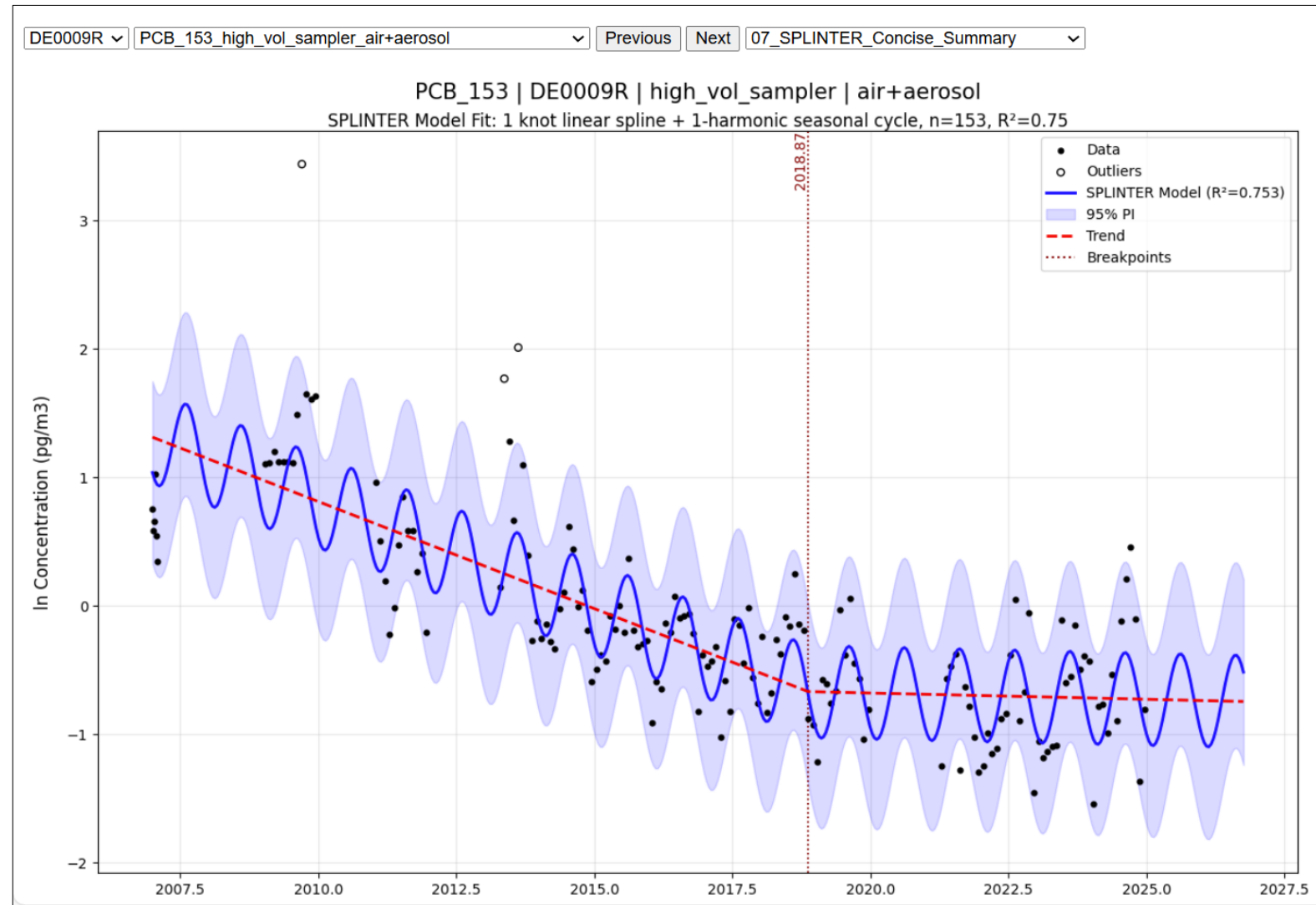
POP Trend tool

- The Digital Filtration technique has been rewritten to an open source python code (Splinter)
- visualisation tool incl statistics developed
- Will be integrated with ebas web

Credits

Matthew Macleod, Stockholm University
Sabine Eckhardt, NILU

<https://atmo-access.nilu.no/POPTRENDS.py>



Contributed with data to Minamata Conv. on Hg



MC



**MINAMATA
CONVENTION
ON MERCURY**

UNEP/MC/EEG.8/L.7
Distr.: Limited
23 January 2026
English only

**Effectiveness Evaluation Group
Minamata Convention on Mercury
Eighth meeting**
Geneva, 9–11 February 2026
Item 3 (d) of the provisional agenda

Introduction: Updates from the OESG

Executive summary of the OESG Scientific Report

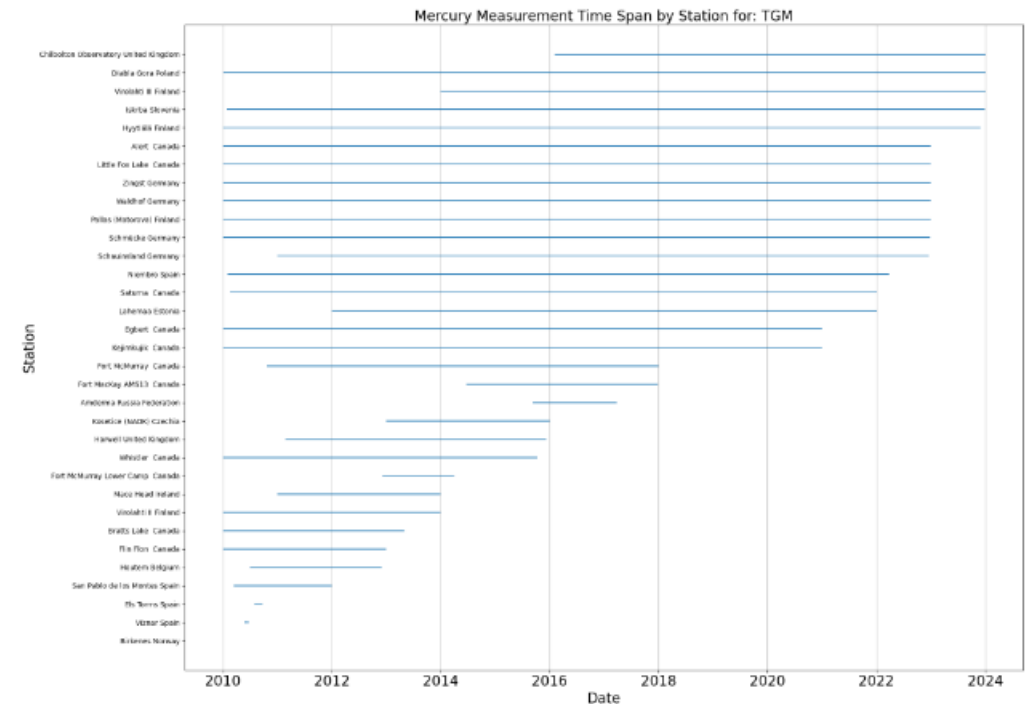
This document is the executive summary of the draft scientific report of the Open-Ended Scientific Group (OESG) of the Minamata Convention, as of 21 January 2026. This summary is to be presented at the first face-to-face meeting of the Effectiveness Evaluation Group in February 2026. The full draft report is available from the Convention Website. The OESG plans to make a draft report for Party input in February 2026.

Air

Current levels and geographical coverage:

The levels of mercury observed in the ambient air for total gaseous mercury (TGM) and gaseous elemental mercury (GEM) vary around the world and over time. Globally, TGM (active sampling) levels are 1.51 (0.49-12.2) ng m⁻³.

Data availability: Total Gaseous Mercury (TGM)



ILCs are important part of the QA/QC

Result should be reported as QA measured together with the data

- EMEPs intercomparison on unorganic and HM ongoing from 1977.
- ACTRIS (JRC) organise ILC on
- GAW intercalibration on precipitation stopped
- UNEP has a [global ILC on POPs and Hg](#), deadline for register 15 May
- ACTRIS OG-TAC plan for ILC on PAH spring 2027

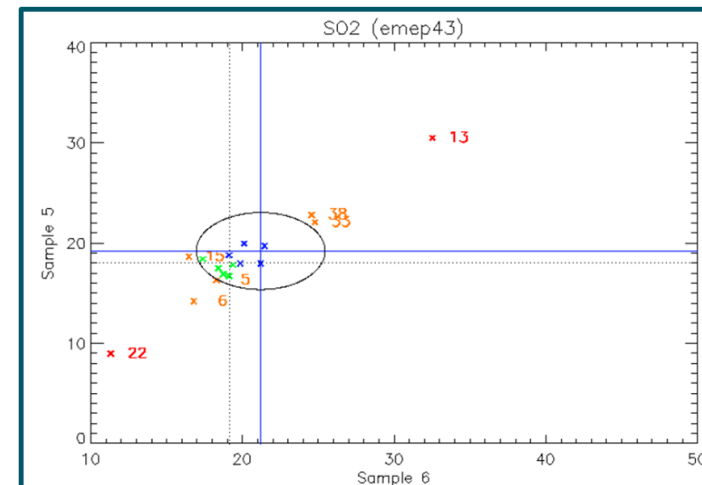
Global Interlaboratory Assessment on Persistent Organic Pollutants (POPs) and Mercury – Fifth Round, 2026
After the successful organization of the fourth Rounds of the biennial Global Interlaboratory Assessment on Persistent Organic Pollutants (POPs), the Chemicals and Health Branch, Industry and Economy Division of the United Nations Environment Programme (UNEP) has announced the launch of the Fifth Round of the Global Interlaboratory Assessment and opens registration for interested laboratories to participate. Interlaboratory assessments are crucial for ensuring comparability and harmonization of POPs and mercury monitoring data among global, regional, and local laboratories. These assessments are key to evaluating the analytical performance of participating laboratories in analyzing POPs and mercury in environmental and biotic samples. Given that it would be overwhelming for a single laboratory to analyze all target compounds across all core matrices relevant to the Stockholm and Minamata Conventions, regional and international collaborations are crucial to ensure that data are generated consistently and in a cost-efficient manner.

Programme: GEF-funded and UNEP-led Global Chemicals Monitoring Programme (GCMP).

Purpose of the programme: The programme aims to provide scientifically robust evidence for evaluating the effectiveness of the Stockholm Convention on POPs and the Minamata Convention on Mercury. It also aims to facilitate a comprehensive global understanding of the concentrations of POPs and mercury in humans and the environment. Furthermore, it seeks to use POPs and mercury monitoring data to support regional and national governance in managing these toxic chemicals.

Who can participate: Public laboratories, academic and research institutions, non-profit organizations, and qualified private laboratories with state-of-the-art facilities that are engaged in the environmental and/or biological monitoring of POPs and mercury.

Lab	Comp.	QA measure ID	QA bias	QA variability	QA outcome
NO	Ca	EMEP42	-17.25% S	0.91%	Pass
NO	Cl	EMEP42	0.60% S	0.53%	Pass
NO	K	EMEP42	-0.04%	2.23%	Pass
NO	Mg	EMEP42	-10.48% S	0.34%	Pass
NO	Na	EMEP42	2.88% S	1.61%	Pass
NO	NH3	EMEP42	-3.18% S	2.12%	Pass
NO	NH4	EMEP42	18.43% S	3.58%	Pass
NO	NO2	EMEP42	-5.09% S	0.92%	Pass
NO	NO3	EMEP42	-2.16% S	0.52%	Pass
NO	SO2	EMEP42	0.44%	0.63%	Pass
NO	SO4	EMEP42	3.15% S	0.89%	Pass



EMEP measurements in relation to EU AAQD

- ✓ Ongoing discussions of data reporting to Reportnet3 for metadata, data aggregations etc for emerging pollutants (UFP,eBC)
- ✓ The interest of ammonia is increasing
 - UK AGANET / NAMN data will be reported to EBAS
 - ACTRIS have initiated a new working group of NH_3 – EMEP will naturally contribute



Thank you for
your attention