

Why next-generation particulate emissions measurement is needed.



Motivation: Promotion of environmentally friendly energy

- + CO₂-neutral in the long term
- + Promotes local value creation
- + Creates a relationship with the subject of energy
- harmful emissions

Why now?

Progress in aerosol science

- Progress in the areas of health effects, aerosol formation and measurement technology

Politics

- Policy needs support in the form of well thought-out proposals
- Time consuming process towards a new standard

Relevance

- wood-burning appliances become the largest emitter of fine particulate matter

Relevance

Internal combustion engines will fade out

- By the time, a new measurement method for wood heat appliances is introduced into a new standard, no more ICE cars will be sold in big parts of Europe.

The focus of air pollution control will be on wood heat appliances

Health, climate and environmental relevance will be the focus of new measurement methods.

MOBILITY

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34 In Berlin produzieren die Häuser mehr Dreck als die Autos

Die Hälfte des Berliner CO₂-Ausstoßes entsteht in Gebäuden – mehr als im Verkehr. Warum für ein klimaneutrales Berlin die Wärmewende mitgedacht werden muss.

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Politics

Solutions should be at hand

- In case politicians demand new measures, broad-based solutions should be available.

Multi-megawatt wood-fired power plants are an alternative to wood-fired heating systems

Good things take time

- The first attempt to go for the new EN-PME method was made in 2008

ntv Dienstag, 8. November 2022 17:02 Uhr Frankfurt

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PANORAMA

Feinstaub bleibt großes Problem
Umweltbundesamt würde Holzverfeuerung verbieten

10.02.2022, 13:17 Uhr



*Holz sollte im Wald verbleiben oder in langlebigen Produkten verarbeitet werden", rät der Chef des Umweltbundesamtes.
(Foto: picture alliance / Zoonar)

How to continue / next steps

Preliminary screening of available measurement methods

- Swiss project to launch a new initiative in Europe for a next-generation particle measurement method started. Report ready by Q1/23.

Stakeholder meetings in 2023

- Institutes/groups with experience in measuring emissions from wood combustion will be invited (open for everybody).
- In-depth discussions and analyses of the possible measurement methods
- Joint position paper on how to proceed - project plan for necessary research and development

Launch of a European research and development project in 2024/2025

**Thank you very much for your
attention!**

Michael Sattler

michael.sattler@oekozentrum.ch

+41 62 387 31 45