

NEWSLETTER#1

January 2023

The Real-Life Emissions project has received funding from the European Union under grant agreement n° LIFE 20 PRE/FI/000006



PROJECT OVERVIEW

Acronym: Real-LIFE Emissions

Consortium:

Coordinating Beneficiary

University of Eastern Finland (UEF), Finland

Associated Beneficiaries

Technology and Support Centre in the Centre of Excellence for Renewable Resources (TFZ), Germany

The French National Institute for Industrial Environment and Risks (INERIS), France

Technical University of Ostrava (VSB), Czech Republic

Work packages:

- A1: Sampling and dilution methods
- A2: Emission components
- A3: Testing protocols
- A4: Intercomparison campaign
- A5: Emission factors and limits
- B1: Communication
- B2: Networking
- C1: Management
- C2: Monitoring and indicators
- C3: Socioeconomic impacts
- C4: After LIFE plan

Budget: 940.828 €, EC contribution 564.169 €

LIFE preparatory project 2020 01/05/2021-30/04/2024
Harmonizing reliable test procedures representative Real-LIFE air pollution from solid fuel heating appliances

We are glad to present you the first issue of our **Real-LIFE Emissions** project newsletter to share some results and activities of the project. In three years, our consortium will produce a plan on the development and execution of the testing procedures, which better reflects quality and quantity of the real-life emissions from solid fuel heating appliances, as well as the adverse effects to human health and environment.

Project supports the work being done in Europe within e.g., CEN, UNECE, European Commission and national authorities. Consortium members have a strong background in combustion appliances, test procedures and emissions, but also in working together with various stakeholders and authorities.

During the first period of the project, we have been executing various project meetings, two steering group meetings, two internal workshops, an Open Day event and three experimental and measurement campaigns and an international workshop. We have participated in working groups meetings and presented our research results on various occasions e.g., in International Aerosol Conference (IAC 2022) as well as in CCQM workshop on particle metrology.

We have gathered information about above mentioned actions in the news section of our website:

<https://sites.uef.fi/real-life-emissions>



Take a look at the [video footage](#) on experiments at the UEF's wood combustion simulator SIMO in Kuopio

POSTER: THE EFFECT OF WOOD FUEL SPECIES ON PARTICULATE AND GASEOUS EMISSIONS FROM A WOOD STOVE

Results of UEF's experimental campaign was presented the in International Aerosol Conference (IAC 2022) in Athens. The link to the poster and the abstract is in the [materials page](#) of our website.

1st INTERNATIONAL REAL-LIFE EMISSIONS WORKSHOP ON SMALL-SCALE COMBUSTION

The Real-LIFE Emissions project consortium organized the first international workshop on 9th November 2022. More than 130 participants from 17 countries attended the workshop mainly online communicating with the experts in the field and exchanged knowledge about the novel sampling methods and health and environmental impacts of particle components from residential combustion. Summary and the presentations are available [here](#).



Real-LIFE Emissions team during the workshop at the Kuopio Campus of the University of Eastern Finland

REPORT: REVIEW OF PARTICULATE EMISSIONS PRODUCED FROM THE SMALL-SCALE SOLID FUEL COMBUSTION (ACTION 2)

An extensive report on emission components from the residential combustion based on literature reviews and existing data has been prepared and submitted to the Commission together with mid-term report in December 2022. This report has listed important physical and chemical parameters that should be measured in the future emissions measurement standard. The summary and key messages of the report are presented [in this pdf](#) on our website.

WE WOULD LIKE TO THANK ALL OF YOU WHO HAVE HELPED TO BRING THIS PROJECT UP TO THIS STAGE AND WISH YOU ALL THE BEST FOR YEAR 2023!

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UPCOMING EVENTS

Inter-comparison campaign in Summer 2023

2nd international workshop in September 2023

3rd steering group meeting on November 21 2023

3rd international workshop in Spring 2024

INVITATION TO CONTRIBUTE

If you are interested in the project and would like to contribute, please take some time and complete our short questionnaire: <https://link.webropol.com/s/RLEQuestionnaire>

Your valuable inputs and feedback will help us to enhance our activities.

FOLLOW US:

<https://sites.uef.fi/real-life-emissions>

The information and views set out in this newsletter are those of the author(s) and do not necessarily reflect the official opinion of the EU.