



LIFE19 ENV/FR/00086

AIRFRESH

Air pollution removal by urban forests for a better
human well-being

Replication meeting and international workshop on urban green - Agenda

Date: 6-7 February 2023

Location: Institutional Building of the National Council for Economics and Labor (CNEL),
Rome, Italy

Objectives - The replication workshop is a way to transfer gained experience in urban pollution control with nature-based solutions but also to create a community of practices in other cities. Early and continued dialogue with stakeholders from front-runner cities is crucial to provide on-the-ground perspectives and for the implementation of recommendations.

The main objective of this first one-day meeting is to show our activities, main outputs, and to start the discussion with relevant stakeholders from follower cities (e.g., Bucharest, Zagreb, Valencia, and Vilnius) about the replication activities (expectations, needs, data availability, etc.).

We will perform activities (tree detection and classification, air quality modelling, quantification of air pollution removal capacity of urban trees) in Zagreb in 2024, and Bucharest beyond 2024. The replication activities will allow testing, demonstrating, and validating the effectiveness of the AIRFRESH approach.

| Monday 6 February 2023 | | |
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| Schedule | Description | Speakers |
| 10:00 - 10:30 | Welcome Coffee | |
| 10:30 - 12:30 | Ad hoc presentations | |
| | Welcome and Introduction | R. Morabito, ENEA A. De Marco, ENEA |
| | The urban air pollution as a big challenge in Europe | C. Leonardi, CNR/MASE |
| | The project AIRFRESH from the in field to the modelling | P. Sicard, ARGANS |
| | Nature-based solutions for improving environmental quality in urban areas | E. Salvatori, ENEA |
| | The allergenicity of the urban trees | P. Carinanos, University of Granada |
| 12:30 - 14:00 | Lunch break and Coffee followed by a short walk in Villa Borghese | |
| 14:00 - 16:00 | Presentations continue.. | |
| | Past experience: the VEGAP project | M. Mircea, ENEA |
| | The biogenic volatile emissions in regional scale and urban environment modelling | S. Finardi, ARIANET |
| | Species-specific contribution to atmospheric carbon and pollutant removal: case studies in two Italian municipalities | I. Zappitelli, CREA |
| | Project URBFLUX: carbon, energy and pollution fluxes in urban and periurban areas of Valencia | V. Calatayud, CEAM |
| | SMART urban forest monitoring | G. Papitto, CUFA R. Lasaponara, CNR |
| | Access to green Spaces: a Measure of Social Inclusiveness and Environmental Justice | S. Borelli, FAO |
| 16:00 - 16:15 | Coffee break | |
| 17:00 | Discussion and end of the International Meeting | |
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| Tuesday 7 February 2023 | | |
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| Schedule | Description | Speakers |
| 10:00 - 10:30 | Welcome and Coffee | |
| 10:30 - 12:30 | Ad hoc presentations | |
| | Tree selection and planting activities in both test areas | J. Manzini, CNR |
| | Air Pollution monitoring in both test areas | A. Zaldei, CNR |
| | Urban trees detection and classification by satellite images | F. Coulibaly, ARGANS |
| | Scaling-up activities | F. Coulibaly, ARGANS |
| | Modelling activities | B. Sorrentino, ENEA |
| | Discussion about first results | all |
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| 12:30 - 14:30 | Lunch break and Walk in the Borghese urban park | |
| 14:30 – 16:00 | Discussion | |
| | Replication activities in Zagreb: needs, data availability, etc. | T. Jakovljevic, SUMIN |
| | Replication activities in Bucharest: needs, data availability, etc. | O. Badea, INCDS |
| | Replication activities in Vilnius: needs, data availability, etc. | V. Araminiene, LRCAF |
| 16:00 - 16:15 | Coffee break | |
| 17:00 | End of the Replication Meeting and visit to Galleria Borghese | |