CT4. Microscale modelling
What did we achieve (2020-2022)?

- Identifying current uses of microscale AQ modelling, including challenges in their implementation

  and collecting best practices in relation to the assessment and management under the AAQD

- Determining how to derive an annual averaged concentrations

  (and other AQD statistics such as percentiles) with a micro-scale model

  as a first step to discuss how to use microscale models for air quality assessment or planning in the framework of AQ directives.

CT4. Microscale modelling
Priorities for 2023-2025

- Test robustness of the wind sector approach for all AAQD indicators (annual avg, percentiles…) and check new approaches

- Understand differences between unsteady full year simulations vs scenario (wind sector) approach.

- Specify requirements for microscale emissions (link with CT7)

- Specify requirements for observation data sets for validation (space & time, link with CT2/CT6)

- Provide Guidance & Recommendations for micro scale model applications in the context of the AAQD (link with CT8 Spatial representativeness and exceedance indicators)

- Setup a new intercomparison exercise at a new location (e.g. Gyor)?

- Preparation of scientific paper for publishing in early 2023