

Rules of the **WIN'AIR** challenge

Présentation of the Win'Air Challenge

A. Purpose of the Win'Air Challenge

The Win'Air Challenge aims to raise awareness among students from Grade 1 to Grade 5 (and their Belgian and French equivalents) about indoor air quality (IAQ), while indirectly engaging teachers and students' families. We spend nearly 80% of our time in enclosed spaces, yet indoor air is often more polluted than outdoor air. Indoor air pollution can come from various sources emitting numerous pollutants. It is therefore essential to teach children good practices to promote and sustain healthy indoor air behaviors over the long term.



The Win'Air Challenge is part of the CleanAirBouw project, which aims to improve and monitor indoor air quality in buildings through the development of new air monitoring and treatment systems. This project is co-funded by the European Union under the Interreg France-Wallonie-Vlaanderen VI program.



B. Target audience

The Win'Air Challenge is open to all primary schools (and their Belgian equivalents) located in Hauts-deFrance, Wallonia, and Flanders, with two classes per school, up to a maximum of twenty participating schools.



C. Registration process

Registrations are handled by Cerema, which is responsible for organizing the Win'Air Challenge as part of the CleanAirBouw project, after obtaining approval from the local municipality to which the school belongs (if necessary). Registrations are open from January 1, 2025, to June 1, 2026 (and remain possible afterward in case of cancellations by registered schools).

The project team reserves the right to select schools if the number of registrations exceeds 20, aiming for a balanced distribution across the three regions (approximately 6 or 7 schools per region).

Course of the Win'Air Challenge

The Win'Air Challenge is scheduled for the 2026-2027 school year and includes: two awareness workshops, class engagement throughout the year and a prize-awarding ceremony.

At the beginning of the school year, each participating class will receive a pedagogical kit including:

- An air quality sensor,
- A solution for consulting real-time IAQ measurement data,
- A tool to access a questionnaire on students' perceptions of classroom IAQ.

A. Awareness workshops

Two workshops will be organized in each participating class:

- The first workshop will last approximately 1 hour and 30 minutes and will be scheduled between September and December 2026. Its purpose is to raise students' awareness about indoor air quality (IAQ), including the main sources of pollutants, their health impacts, and simple actions they can take to improve IAQ. The Win'Air Challenge will also be introduced to the students during this session.
- The second workshop will also last approximately 1 hour and 30 minutes and will be scheduled between January and May 2027. We will discuss the interim IAQ measurement results for the classroom with the students, review the concepts covered in the first workshop, and then the students will build a simplified air purifier model to understand how it works, in connection with the CleanAirBouw project.



B. Class mission

Each class is recommended to engage in improving their indoor air quality by implementing the simple actions learned during the first awareness workshop. This engagement will be measured as part of the Win'Air Challenge using IAQ measurement sensors. The data collected will be used to determine the rankings for the award ceremony (see section "Prize Awarding").

Additionally, students are expected to share the knowledge they have gained with the rest of the school (and even with parents). This communication effort will be recognized with a dedicated award during the prize ceremony (see section "Prize awarding"). All initiatives will be appreciated and evaluated. Each class will then need to send proof of completion to the project team, demonstrating that the activity was carried out. This will allow us to assess the communication produced (photo, video, PDF document, etc.).

Finally, an activity booklet will be available on the project website for each teacher (and can also be sent by email). It includes activities that can be carried out in class to complement the awareness-raising efforts and the Win'Air Challenge, while aligning with the school curriculum. **Completing these activities is optional.** However, a special mention will be awarded to classes that complete the activities and wish to share their work with other schools.



Prize awarding

A. Evaluation of results of the Win'Air Challenge

Results will be evaluated by a committee composed of Win'Air Challenge organizers and French and Belgian partners of the CleanAirBouw project, based on:

- IAQ measurements collected over the school year,
- Actions taken to promote knowledge sharing with other classes and parents.



Each teacher is expected to communicate, in a format of their choice (photo, video, etc.), the achievements carried out as part of the Win'Air Challenge (communication actions related to IAQ, awareness and completed activities, if applicable). This documentation will be considered during the evaluation of results. The best and most original communication achievements will be highlighted by the organizers and partners and may be shared in communications related to the CleanAirBouw project (*in photos or videos featuring children, children must be shown from behind or with their faces blurred*).

B. Win'Air Challenge prize categories

The efforts of each class will be recognized during the prize-awarding ceremony, with awards given in the following categories:

- Best indoor air quality,
- Greatest improvement in indoor air quality,
- Best communication initiative to raise awareness in the school (and among parents).

A special mention will be given to classes that voluntarily complete additional activities.

Every participating student will receive a certificate of participation, and winners will receive a prize (to be determined later).



C. Prize awarding day

The prize-awarding ceremony will be held at the end of the 2026-2027 school year to reward participating classes and students. Due to differences in academic calendars and end-of-year constraints between France and Belgium, the organizers will do their best to accommodate all participants (both in terms of location and date).

The goal of this day is to allow every child who participated in the Win'Air Challenge to attend and meet the other participating classes.

If organizational or financial constraints prevent an entire class from attending, it is desirable that at least one school representative (one adult alone, or possibly one or more student delegates accompanied by the school principal for example) be present to receive the prize and collect participation certificates for all students. A live broadcast will be arranged so that students unable to attend in person can still follow the event (*schools will be notified in advance if they are awarded a prize*).

