



Development of novel assessments for indoor air quality monitoring and impact on children's health

D8.4 Exploitation & Sustainability Plan (v1)

LEARN

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Project details

Project Title	Development of Novel Assessments for indoor air quality monitoring and impact on children's health
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Starting date of the project	01/05/2022
Project Duration	48 months

The LEARN Consortium

Participant n°	Participant Organisation Name	Country
1	Laboratorio Iberico Internacional de Nanotecnología LINPT (INL)	
2	Vrije Universiteit Brussel (VUB)	BE
3	Envirometrics Teknikoi Symvouloi Etaireia Periorismenis EL Efthynis (ENV)	EL
4	Katholieke Universiteit Leuven (KUL)	BE
5	Universiteit Hasselt (UH)	BE
6	Mann+Hummel GMBH (M&H)	DE
7	Nanotechnology Industries Association (NIA)	BE
8	Stichting IMEC Nederland (IMEC-NL)	NL
9	Aarhus Universitet (AU)	DK
10	F. Iniciativas España Mas i Mas SLU (FI)	ES
11	AlveoliX (AL)	CH

Project's aim

LEARNING about the status of air quality in schools and its impact on the cognition of children is a major cornerstone in LEARN. For that, we want to overcome the barriers of the currently existing technologies and take a bold step towards developing and deploying novel sensors to detect the presence of possibly harmful air pollutants such as volatile organic compounds and ultrafine particles.

We will measure and characterize indoor and outdoor air pollutants and evaluate the presence of biomarkers of exposure and their effect on children's cognition while trying to recapitulate those effects using *C.elegans* as a biosensor. Moreover, we will use advanced human-based in vitro models of lung and skin coupled with a revolutionary multi-sensing device to investigate their mechanisms of toxicity in real-time.

Novel remediation strategies will be explored to improve air quality and promote children's quality of life and life expectancy. For that, we will mobilize a group of eleven leading research teams, unrivalled in their respective fields

(environmental epidemiologists, toxicologists, air quality specialists, systems biology, engineers, and citizen/social scientists).

The scientific achievements expected to result from LEARN will unlock a large technology potential in IAQ for decades to come, leading to disruptive societal and economic impacts steaming from a radical improvement in the quality of life of children in Europe.

Project LEARN is part of the European indoor air quality and health cluster.

Document details

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Revision History

The following table describes the main changes done in the document since it was created

REVISION	DATE	DESCRIPTION	AUTHOR (ORGANIZATION)
V0.0	22 December 2023	Draft	NIA
V1.0	8 January 2024	First draft for comments	NIA
V1.1	15 January 2024	Internal Review	VUB
V2.0	30 January 2024	Updated with additional potential exploitations and to reflect internal review	NIA

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Introduction

1. Task Description

This deliverable is part of Task 8.3 in WP8 Exploitation, Communication and Dissemination in the LEARN project. Task 8.3 is the Development of the Exploitation Strategy and Sustainability Plan

Task 8.3 | Development of the Exploitation Strategy & Sustainability Plan | NIA;
All Consortium | M1-M48

Subtask 8.3.1 Exploitation Strategy. This task will develop and implement the exploitation strategy for the project and define the sustainability plan of the LEARN platform and outcomes beyond the end of the project. The initial Exploitation & Sustainability Plan (D8.3, M16) will outline the potential opportunities for exploitation in collaboration with all LEARN partners. It will map how the project research results, instruments, services and other project results can be exploited and scaled in a sustainable way. The final Exploitation & Sustainability Plan (D8.6, M32), will present the strategy for the identified LEARN exploitable results (LEARN toolkit) describing the way in which they can be exploited in a (non)-commercial sense after the end of the project, by the target users and potential customers. It will also present the individual exploitation plans of the project partners. Subtask 8.3.2. Sustainability Plan. This task focuses on producing a strategic plan to ensure the long-term survival of project results. This task will develop the Mission and Values documents regarding project outcomes and a Business Plan. The Business Plan will include the definition of Business Plan scenarios which will lead to the identification of sustainability scenarios. Results will be collected in the form of a deliverable which will be updated during the project (D8.3, D8.6).

2. Definitions

Within the LEARN Grant Agreement and Horizon Europe rules, project exploitation is defined as:

The use of results in further research and innovation activities other than those covered by the action concerned, including among other things, commercial exploitation such as developing, creating, manufacturing and marketing a product or process, creating and providing a service, or in standardisation activities.

All partners are obliged to use their best efforts to exploit results that they own wither directly themselves or indirectly through licensing or transferring them to others, whilst ensuring that they follow the guidance agreed in the project's Grant Agreement.

3. Task Purpose

The main aim of this task is to identify the potential exploitations from the LEARN project and to present a strategy for ensuring their exploitation during and after the conclusion of the LEAN project. The first part of the task is to identify the

possible exploitable project results that are anticipated to be delivered during the project. At this stage of the project, the early identification of potential exploitations does not mean that the anticipated results will be available by the end of the project, nor does it preclude other exploitable results emerging during the remainder of the project. The second stage of this task, will be to define a sustainability plan for each of the identified potential exploitations. Where appropriate, specific business plans may be developed for exploitations. This could include a business or financial model to allow the exploitation to proceed, an investment case identifying the exploitations needs for further investment, any further work required to realise the exploitation and the next steps to be taken by the owner or joint owner of potential project exploitations.

Methodology

Partners were asked during the first year of the project to identify what they thought their potential exploitable results from the LEARN project would be. Using a simple to complete form (See Appendix 1: Initial Identification of Potential Exploitable Results Form for the full form) all partners were surveyed and asked to provide some basic information about every potential exploitable result that they anticipated at this stage of the project. The initial data is intended to provide the basis for the further work that will be undertaken in this task and to make initial decisions as to how to proceed with the identified potential exploitations.

Data requested from partners included a brief description of the potential exploitation, the anticipated timings of the exploitation, which LEARN partners were involved and, if known at this stage, what the potential audience is for the potential exploitation. Forms were distributed to partners who were asked to complete them and return to the NIA as the task lead for analysis.

4. Potential Exploitations Identified by M16

In the first project period (up to project month 16) fourteen potential exploitable results (ER) were declared by project partners (see Table 1). Each potential exploitable result has been labelled from ER1 onwards to permit allow them to be tracked, although the labels do not indicate any priority or importance but have been assigned in the order that the exploitations were reported by partners.

Table 1 Potential Exploitable Results from LEARN

Number:	Exploitable Result	Partner(s) (Lead partner in bold)	Description	WP/ Task	Potential Audiences	Timings	Category
ER1	LEARN Toolkit	VUB , FI, INL, UHASSELT, KULEUVEN, MANN&HUMMEL	Awareness raising about indoor air quality through educational resources	WP8 T8.1	Pupils, parents, educators, science organisations	Ready during project for use in pilot studies	Education resource
ER2	Cognitive ability results	UHasselt , WPs 2, 3, 4 partners	Demonstrate links between classroom air quality and children's well-being	WPs 2,3,&4	Policymakers	End of project	Policy
ER3	Air quality and health data hub	ENV , all partners	Quicker and more accurate results of air quality testing	WP7 T7.4, 7.5, 7.6	Schools, policymakers	Initial version M41 Final version M44	Dataset
ER4	Development of alveolar (lower) Lung Barrier on Chip (LBoC)	AlveoliX	Development of bronchial (lower) Lung Barrier on Chip (LBoC)	WP5	To be identified	May 2024	Innovation
ER5	Development of bronchial (upper) Lung Barrier on Chip (LBoC)	AlveoliX	Development of bronchial (upper) Lung Barrier on Chip (LBoC)	WP5	To be identified	May 2024	Innovation
ER6	Filter unit	Mann+Hummel	Filter unit with novel filter combination for removal UF particles & VOCs	WP6 T6.1, 6.2	Educational workplaces, and/or other locations where improving IAQ can improve cognitive performance.	Prototype by August 2024	Innovation
ER7	Optimised filter units	Mann+Hummel , INL, KUL	Optimised filter units for reducing contaminants in schools for a hygienic and healthy indoor air quality	WP6 T6.1, 6.2 WP3	Educational institutes	Prototype by August 2024	Innovation

				T3.5, 3.6			
ER8	Feedback for optimised filter unit design	Mann+Hummel , VUB, AU, UH	Feedback for optimised filter unit design	WP2 T2.4	M+H future customers	March 2026	Change to practice
ER9	Novel sensors and filter units	Mann+Hummel , ENV, VUB, UH, INL, KUL, IMEC-NL, AU	Purposeful operation of filter device depending on concentration of contaminants through combination of novel sensors and filter units	WP6 T6.1, 6.2, 6.3, 6.4 WP7 T7.4, 7.5	Air filter users	Project end	Change to practice
ER10	IAQ Standards	Mann+Hummel , All	Equipment proven to meet new IAQ regulations for schools in EU	WP8 T8.4	EU educational institutes	Recommendations made- project end Changes to EU recommendations- undetermined	Standard
ER11	Skin-on-chip device	INL	Skin of chip device for a safety assessment of nanomaterials and chemicals	Wp5 T5.3	Researchers in academia and industry	M42	Innovation
ER12	Multisensing platform	INL	Multisensing platform for in vitro cytotoxicity assessment	WP5 T5.4	researchers in academia and industry wanting to track the in vitro biocompatibility of drugs, nanomaterials and other chemicals	M45	Innovation
ER13	Dataset of indoor air quality (IAQ) of classroom in primary schools	KU Leuven	Dataset of urinary biomarker levels of primary schoolchildren	WP3 T3.2, 3.3	For IAQ dataset: Universiteit Hasselt, Aarhus Universitet	Final stages of LEARN	Dataset
ER14	UFP	IMEC	IMEC-NL will execute UFP	WP4	Companies active in the	Towards end of	Change to

	measurements		measurements in an office environment with a reference sensor. This will contribute to the knowledge of IMEC-NL of UFP concentrations in the office environment, and seasonal and occupational fluctuations thereof.	T4.4	field of air cleaning and conditioning	project	practice
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4.1. Analysis of Potential Exploitable Results

The fourteen exploitable results reported by partners can be divided into categories as follows:

- 6 potential new innovations/ patents
- 3 changes to existing practices
- 2 dataset
- 1 standard
- 1 policy
- 1 toolkit/ education resources

The exploitations that would likely require the development of a full business plan would be the 6 potential new innovations/ patents. The change to indoor air quality (IAQ) standards would need to be moved through a relevant standards committee such as ISO or CEN. Whilst the two exploitations focused on changing existing practices, would need to be defined as to how these exploitations would be delivered either during or after the LEARN project.

Except for the LEARN Toolkit, which is being developed for use within the project itself, the potential exploitations are all anticipated to be finalised towards the end of the project. This gives time to develop the pathways required to ensure delivery of the exploitations. For the LEARN Toolkit, this has been developed in WP8 for use as part of work being undertaken in WP2 in the school cohorts measuring IAQ. So this exploitation will be fully available during the project, and it would be possible to define the pathway for this exploitation now.

5. Business Plan Development

It will be necessary to decide for each potential exploitation what level of business plan is required to ensure the best chance to exploit the relevant result. Where necessary, a full business plan will be developed and will include a suggestion as to the pathway for developing the exploitation after the conclusion of the LEARN project.

Whilst the different exploitations will have specific requirements for their individual business plans, it is anticipated that the following elements will be tailored as required to be included:

- **Definition of the exploitation (what is it and what does it do)**
- **Anticipated audience for the exploitation (who can use it and why)**
- **Competitive environment (what are the current offerings)**
- **Innovation in the exploitation (how will this exploitation compete with existing market)**
- **Proposed business model (how to bring exploitation to the market)**
- **SWOT and key risks**
- **Investment needed (time or money and how this will be found)**
- **Financial predictions (ROI, sales etc)**

Business plans will be prepared by the NIA in close collaboration with relevant partners to ensure that by the end of the project, an exploitation pathway is

agreed for each potentially exploitable result. Whilst some exploitations may have a commercial aim and will develop new revenue generating opportunities, some will exploit project outcomes that will not generate revenue. These could include the use of project results in future research opportunities, use in standards or use in policy making.

6. Next Steps for Project Exploitations

The NIA will work with the lead partners of the exploitable results to put in place appropriate plans for each result. Where required, a full business plan will be developed. Where this is not required, a shorter business plan will be drafted. The work required to deliver each exploitation will be outlined, along with which parts of this will be delivered as part of LEARN and a forward plan for what actions will remain to be undertaken at the conclusion of the project.

Next steps to achieve the business plan will be:

- NIA to arrange meeting with relevant exploitable result lead partner
- Meetings to be arranged with other partners if required
- Business plan requirements agreed with relevant partners
- Plan presented and updated at regular WP8 meetings
- Business plans for each exploitable results drafted and presented as D8.6 Exploitation & Sustainability Plan (v2)

7. Appendix 1: Initial Identification of Potential Exploitable Results Form

Initial Identification of Potential Exploitable Results

As part of the LEARN project and to comply with the Grant Agreement, we need to ensure that we identify, protect and plan for further use of exploitable results that are generated during the project.

Within Horizon Europe, exploitation is defined as “the use of results in further research and innovation activities other than those covered by the action concerned, including inter alia, commercial exploitation such as developing, creating, manufacturing and marketing a product or process, creating and providing a service, or in standardisation activities.”

We have a dedicated task within LEARN WP8 to develop an exploitation strategy and sustainability plan for project outcomes. The first part of our task is to identify all potential exploitable result that we think will be developed during the project. From these, we can then develop an appropriate exploitation strategy in cooperation with all partners.

For **each individual potential exploitable result**, we would ask partners to complete the form in Appendix 1 and submit them to be included within our initial exploitation strategy. Once we have identified all potential exploitable results, we can then start to determine the business plan requirements for each result which we will start to work on in the later part of the project.

Note that it is not necessary to report any predicted dissemination outputs from the project, but only exploitable ones.

Explanation for each section of the form is given below:

Date (YYYY-MM-DD) form completed	Date form completed
LEARN Partner	Name of LEARN partner
Name and Email of person who filled in the table	Name and contact email of person completing the form
Description of potential exploitable result	Brief description of the potential exploitable result. For example: Graphene sensor for air quality monitoring.
WP(s) and Task(s) exploitation comes from	Give the WP and task that the result originates from. If multiple WPs or tasks, then please list all relevant.

Timings of exploitable result: When will it be ready?	Estimation of when the potential exploitable result will be finalised within the project and to what stage it will reach during the project. If by the end of LEARN, the exploitable result is not anticipated to be finished, how much further work would be needed for the result to be finalised after the project concludes.
Other partners involved in production of result	If other partners have or will work on the exploitation, please list them here
Potential Audience/ stakeholder exploitable result is aimed at (if known)	Where relevant, identify the audience or stakeholder that this exploitable result is aimed at. For example, exploitation is aimed at regulators who want quicker results from air quality testing.

Appendix 1

Form for Initial Identification of Project Results

Please complete **one form per potential exploitable result** and return to sean.kelly@nanotechia.org by 10 February 2023

Date (YYYY-MM-DD) form completed	
LEARN Partner (name and number)	
Name and Email of person who filled in the table	
Description of potential exploitable result	
WP(s) and Task(s) exploitation comes from	
Timings of exploitable result: When will it be ready?	
Other partners involved in production of result	
Potential Audience/ stakeholder exploitable result is aimed at (if known)	

8. Appendix 2: Initial Identification of Potential Exploitable Results Forms Submitted by LEARN Partners

8.1. ER1 LEARN Toolkit

Date (YYYY-MM-DD) form completed	17/01/2023
LEARN Partner (name and number)	VUB, partner NR 2
Name and Email of person who filled in the table	Carina Veeckman EMAIL redacted
Description of potential exploitable result	LEARN toolkit The aim of the toolkit is to raise awareness about indoor air quality in an accessible, and fun way. The toolkit shares information, guidelines and training materials about how indoor health and well-being can be protected and promoted. The toolkit will support wide-audience knowledge on air contaminants frequently present at schools and how these may or may not harm the health and safety of children (in the long-term). It will propose targeted strategies to surpass and minimize children's exposure to these pollutants in school and home environments. The LEARN toolkit has thus a clear educational goal and will be part of broader awareness raising campaigns on IAQ and health within schools. The consortium is currently exploring the option of introducing an educational game which helps children to familiarize with basic concepts and air pollution vocabulary. The educational game could be played in a school set-up, or at home.
WP(s) and Task(s) exploitation comes from	WP8, T8.1
Timings of exploitable result: When will it be ready?	I think during the execution of the pilots experiments, the toolkit will be used during the lessons to inform and raise awareness about indoor air quality
Other partners involved in production of result	FI, INL And perhaps also UHASSELT, KULEUVEN and MANN&HUMMEL (provision of scientific

	content)
Potential Audience/ stakeholder exploitable result is aimed at (if known)	• Pupils (9-12 years old) and their parents • Schools (teachers) • Scientific or research organisations (eg science museums, science shops)

8.2. ER2 Cognitive ability results

Date (YYYY-MM-DD) form completed	2023-02-07
LEARN Partner (name and number)	UHasselt
Name and Email of person who filled in the table	Tim Nawrot EMAIL redacted
Description of potential exploitable result	demonstrate links between classroom air quality and children's cognitive ability and well-being
WP(s) and Task(s) exploitation comes from	WP2-3-4
Timings of exploitable result: When will it be ready?	At the end of project
Other partners involved in production of result	Those working in WP 2-3-4
Potential Audience/ stakeholder exploitable result is aimed at (if known)	Policy makers

8.3. ER 3 Air quality and health data hub

Date (YYYY-MM-DD) form completed	10/02/2023
LEARN Partner	ENV
Name and Email of person who filled in the table	Evangelos Koufalis EMAIL Redacted
Description of potential exploitable result	Development of the Air Quality and Health Data Hub.
WP(s) and Task(s) exploitation comes from	WP7 (Tasks 7.4, 7.5, 7.6)
Timings of exploitable result: When will it be ready?	M41 (initial version) M44 (final version)
Other partners involved in production of result	All Consortium
Potential Audience/ stakeholder exploitable result is aimed at (if known)	Exploitation is aimed at school communities and policy makers who want quicker and more accurate results of air quality testing.

8.4. ER4 Development of alveolar (lower) Lung Barrier on Chip (LBoC)

Date (YYYY-MM-DD) form completed	2023-02-13
LEARN Partner (name and number)	AlveoliX
Name and Email of person who filled in the table	Janick Stucki EMAIL redacted
Description of potential exploitable result	Development of alveolar (lower) LBoC
WP(s) and Task(s) exploitation comes from	WP5
Timings of exploitable result: When will it be ready?	Mai 2024
Other partners involved in production of result	Only AlveoliX
Potential Audience/ stakeholder exploitable result is aimed at (if known)	

8.5. ER5 Development of bronchial (upper) Lung Barrier on Chip (LBoC)

Date (YYYY-MM-DD) form completed	2023-02-13
LEARN Partner (name and number)	AlveoliX
Name and Email of person who filled in the table	Janick Stucki EMAIL redacted
Description of potential exploitable result	Development of bronchial (upper) LBoC
WP(s) and Task(s) exploitation comes from	WP5
Timings of exploitable result: When will it be ready?	Mai 2024
Other partners involved in production of result	Only AlveoliX
Potential Audience/ stakeholder exploitable result is aimed at (if known)	

8.6. ER 6 Filter Unit

Date (YYYY-MM-DD) form completed	2023-02-03
LEARN Partner	Mann+Hummel
Name and Email of person who filled in the table	Katie Kedwell, EMAIL Redacted
Description of potential exploitable result	Filter unit with novel filter combination for removal UF particles & VOCs
WP(s) and Task(s) exploitation comes from	WP6: Task 6.1, Demonstration of indoor air improvement Task 6.2 Develop cost effective and scalable filter setup and media for collecting defined contaminants
Timings of exploitable result: When will it be ready?	August 2024: minimum prototype
Other partners involved in production of	-

result	
Potential Audience/ stakeholder exploitable result is aimed at (if known)	Exploitation aimed at educational institutes, workplaces, and/or any other place where improving IAQ can improve cognitive performance.

8.7.ER7 Optimised Filter Units

Date (YYYY-MM-DD) form completed	2023-02-03
LEARN Partner	Mann+Hummel
Name and Email of person who filled in the table	Katie Kedwell, EMAIL Redacted
Description of potential exploitable result	Optimised filter units for reducing contaminants in schools for a hygienic and healthy indoor air quality
WP(s) and Task(s) exploitation comes from	WP6: Task 6.1, Demonstration of indoor air improvement Task 6.2 Develop cost effective and scalable filter setup and media for collecting defined contaminants WP3: Task 3.5 Characterization of microbiological fraction present in collected particulate matter, Task 3.6 Electron microscopy characterization of collected particulate matter
Timings of exploitable result: When will it be ready?	August 2024: minimum prototype
Other partners involved in production of result	INL, KUL
Potential Audience/ stakeholder exploitable	Educational institutes

result is aimed at (if known)	
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8.8. ER8 Feedback for optimised filter unit design

Date (YYYY-MM-DD) form completed	2023-02-03
LEARN Partner	Mann+Hummel
Name and Email of person who filled in the table	Katie Kedwell, EMAIL Redacted
Description of potential exploitable result	Feedback for optimised filter unit design
WP(s) and Task(s) exploitation comes from	WP2: Task 2.4 Measuring subjective IAQ experience
Timings of exploitable result: When will it be ready?	March 2026
Other partners involved in production of result	VUB, AU, UH
Potential Audience/ stakeholder exploitable result is aimed at (if known)	M+H future customers

8.9. ER 9 Novel Sensors and Filter Units

Date (YYYY-MM-DD) form completed	2023-02-03
LEARN Partner	Mann+Hummel
Name and Email of person who filled in the table	Katie Kedwell, EMAIL Redacted
Description of potential exploitable result	Purposeful operation of filter device depending on concentration of contaminants through combination of novel sensors and filter units
WP(s) and Task(s) exploitation comes from	WP6: Task 6.1, Demonstration of indoor air improvement

	Task 6.2 Develop cost effective and scalable filter setup and media for collecting defined contaminants Task 6.3 Defining standards for filter testing to ensure mitigation of health risks Task 6.4 Intelligent filtration by smart connection to data WP7: Task 7.4 API and Interface Implementation Task 7.5 Functional & User Testing of Air Quality and Health Data Hub
Timings of exploitable result: When will it be ready?	Project end
Other partners involved in production of result	ENV, VUB, UH, INL, KUL, IMEC-NL, AU
Potential Audience/ stakeholder exploitable result is aimed at (if known)	Air filter users

8.10. ER10 IAQ Standards

Date (YYYY-MM-DD) form completed	2023-02-03
LEARN Partner	Mann+Hummel
Name and Email of person who filled in the table	Katie Kedwell, EMAIL Redacted
Description of potential exploitable result	Equipment proven to meet new IAQ regulations for schools in EU
WP(s) and Task(s) exploitation comes from	WP8: Task 8.4 Policy recommendations for IAQ monitoring and standards
Timings of exploitable result: When will it be ready?	Recommendations made - project end Changes to EU recommendations - undetermined

Other partners involved in production of result	All
Potential Audience/ stakeholder exploitable result is aimed at (if known)	EU educational institutes

8.11. Skin on Chip Device

Date (YYYY-MM-DD) form completed	2023-03-21
LEARN Partner	INL
Name and Email of person who filled in the table	Ana Ribeiro EMAIL Redacted
Description of potential exploitable result	Skin-on-chip device for safety assessment of nanomaterials and chemicals
WP(s) and Task(s) exploitation comes from	WP5, Task 5.3
Timings of exploitable result: When will it be ready?	M42 (expected)
Other partners involved in production of result	
Potential Audience/ stakeholder exploitable result is aimed at (if known)	The potential audience would be researchers in academia and industry

8.12. Skin on Chip Device

Date (YYYY-MM-DD) form completed	2023-03-17
LEARN Partner	INL
Name and Email of person who filled in the table	Vânia Vilas-Boas Vania.vilasboas@inl.int
Description of potential exploitable result	Multisensing platform for in vitro cytotoxicity assessment
WP(s) and Task(s) exploitation comes from	WP5 and Task 5.4

Timings of exploitable result: When will it be ready?	M45 (expected)
Other partners involved in production of result	
Potential Audience/ stakeholder exploitable result is aimed at (if known)	Potential audience would be researchers in academia and industry wanting to track the in vitro biocompatibility of drugs, nanomaterials and other chemicals.

8.13. Dataset of indoor air quality (IAQ) of classroom in primary schools

Date (YYYY-MM-DD) form completed	2024-01-22
LEARN Partner	KU Leuven
Name and Email of person who filled in the table	Wai Kei Chu waikei.chu@kuleuven.be
Description of potential exploitable result	Dataset of indoor air quality (IAQ) of classroom in primary schools Dataset of urinary biomarker levels of primary schoolchildren
WP(s) and Task(s) exploitation comes from	WP3: Task 3.2, Task 3.3
Timings of exploitable result: When will it be ready?	It is anticipated to be finalised at the last stage of LEARN (in 2026).
Other partners involved in production of result	For IAQ dataset: Universiteit Hasselt, Aarhus Universitet
Potential Audience/ stakeholder exploitable result is aimed at (if known)	For IAQ dataset: School managers, school staff and teachers, children and their families, prevention advisors of schools, and anyone who would like to know the indoor air quality of schools where they work/attend every day For biomarker dataset: Children and their families, medical doctors, physicians, and anyone who would like to know the internal dose of indoor pollutants in children.

8.14. UFP Measurements

Date (YYYY-MM-DD) form completed	30-Jan-2024
LEARN Partner (name and number)	Stichting IMEC The Netherlands (IMEC-NL)
Name and Email of person who filled in the table	Bernard Grundlehner
Description of potential exploitable result	IMEC-NL will execute UFP measurements in an office environment with a reference sensor. This will contribute to the knowledge of IMEC-NL of UFP concentrations in the office environment, and seasonal and occupational fluctuations thereof.
WP(s) and Task(s) exploitation comes from	The activities are part of Task 4.4 (WP4)
Timings of exploitable result: When will it be ready?	The results will be ready towards the end of the project (May 2026)
Other partners involved in production of result	The goal is to compare the novel sensors, as developed by TU/e in the context of the study, to the reference sensor.
Potential Audience/ stakeholder exploitable result is aimed at (if known)	Companies active in the field of air cleaning and conditioning