

Klimaat en milieu



CleanAirBouw

Examples of IAQ projects from Cerema Hauts-de-France





AVEC LE SOUTIEN DU FONDS EUROPÉEN DE DÉVELOPPEMENT RÉGIONAL MET STEUN VAN HET EUROPEES FONDS VOOR REGIONALE ONTWIKKELING





MINISTÈRE DE LA TRANSITION ÉCOLOGIQUE Liberté Égulité Fruternité



Hub Air Énergie

• A community of public and private stakeholders to combine indoor air quality (IAQ) and energy efficiency in buildings (EEB)

Schools, offices and a shopping mall

Method:





Key results:

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* Data mining with OctopusLab and the Indalo tool



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- Average levels and CO₂ spikes are much better (lower) in schools with mechanical ventilation systems in winter
- Better IAQ and threshold compliance with a mechanical ventilation system



Key results:

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What impact on reducing consumption ?





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Pecquenchanvre

 Comparison of the insulation performance of hemp concrete (block or sprayed) and glass-wool (then wood-wool)

Renovating homes of the social landlord Maisons & Cités in Pecquencourt (59)

• Instrumental monitoring



Key results:

- No significant differences in insulation performances
- Differences in airtightness, in favour of sprayed hemp





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Emibio

Measurement of the impact on IAQ of two bio-based insulation materials (wood-wool and cellulose wadding)

Municipal building (59) and a middle school (62)

Method:

- Study of materials at 3 scales:
 - building: *in situ*
 - wall: tested under controlled conditions
 - distinct materials: in laboratory

Key results:

• No significant impact on IAQ for either insulation

As long as implementation complies with good engineering practices



ADEME

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Regulation: IAQ supervision

- **Support** for the implementation of the **regulatory supervision** of IAQ in certain public buildings:
 - Establishments for the collective care of children < 6 years
 - After-school or extra-curricular leisure centres for minors
 - Primary and secondary education and vocational training establishments

Tools available:

- Support guide, updated in 01/2025
- Summary brochure for elected representatives
- Frequently asked questions, udapted in 11/2024
- Videos presenting the regulation
- Dedicated web page animated by Cerema







Guide d'accompagnement à la mise en œuvre de la surveillance réglementaire de la qualité de l'air intérieur dans certains établissements recevant du public

.es catégories d'établissements concernées par ce guide sont : · les établissements d'accueil collectif d'enfants de moins de 6 ans ; · les accueils de loisirs extrascolaires ou périscolaires pour mineurs ; · les établissements d'enseignement ou de formation professionnelle du 1° et du 2nd degré







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THANK YOU FOR YOUR ATTENTION Any questions ?

