

## Conclusion

Preliminary bibliographical researches allowed to identify transport and deposition models, and to test them with first calculations using *Code\_Saturne*. Tracing experiments carried out in a 36 m<sup>3</sup> room are intended to validate these models in ventilated room, with different configurations of ventilation.

Experimental

facility CEPIA

(36m<sup>3</sup>)

In order to improve the precision in aerosol deposition results, and also to obtain deposition results independent of meshes used, a method establishing the aerosol concentration profile in the near-wall region is currently developed.

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