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Open topics for master thesis

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Project 3: DI Fatos Pollozhani or Univ Prof Dr Robert McLeod or
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Project 4: Univ Prof Dr Christina Hopfe

Project 5: Univ Prof Dr Christina Hopfe or DI Fatos Pollozhani or
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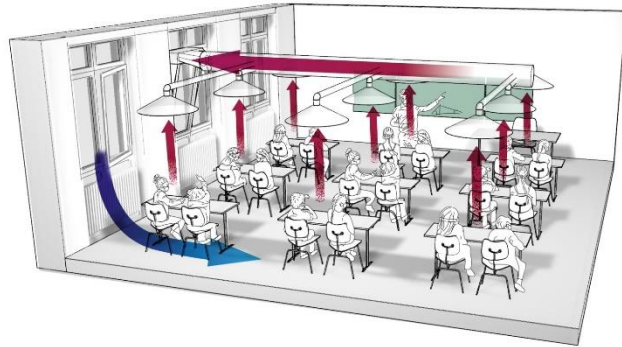
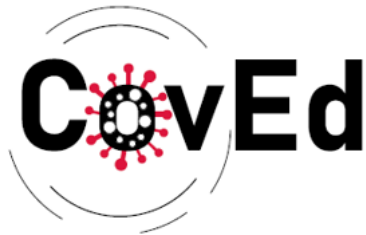
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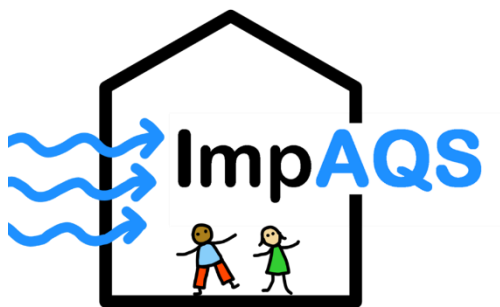
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1. In relation to the **CovEd** project (www.coved.tugraz.at), practical measurements of **CO₂** and **VOC** will be carried out in classrooms and at Graz University of Technology. In this context, the study can look at quantitative data evaluation of indoor air quality in school and university contexts.



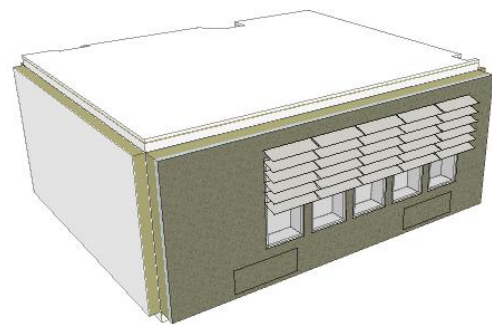
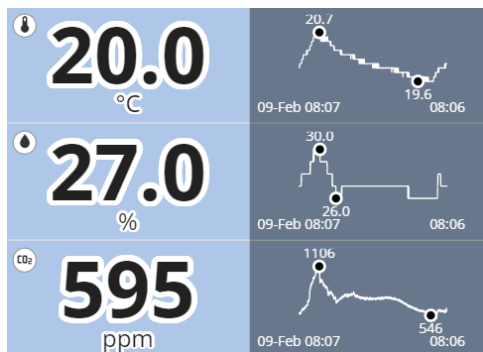
<https://www.tugraz.at/en/institutes/ibpsc/research/research-projects/ongoing-projects/coved>

2. As part of the new project **ImpAQS**, funded by the Ministry of Education, different **measurement methods and sensor techniques** are compared in terms of their applicability, calibration and inaccuracies.

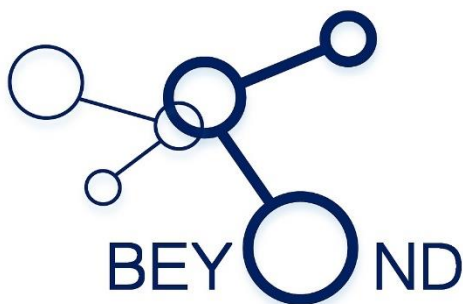


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- (Experimental and simulative) investigation of the **quality of the indoor climate in schools** in terms of indoor air quality, thermal comfort and protection against overheating in summer. A series of indoor climate measurements can be conducted or simulation tools such as IDA ICE can be applied.



- As part of the **Beyond** project: Implementation and testing of different **learning methods** in building physics.



"Human Aspects in Buildings"		
Forecasting	Building Simulation	VR Visualisation
Building Performance	Environmental Warnings	Real-Time Evaluation

<https://www.tugraz.at/en/institutes/ibpsc/research/research-projects/ongoing-projects/beyond>

5. Simulations and analysis of the **energy performance of buildings** in the low, plus and average energy range. Based on the energy crisis and the subsequent costs of heating, the influence of a change in input variables (such as room temperature) on the behaviour of a building in **relation to comfort** could be analysed.

