

IAQ Practice: CO₂ continuous monitoring

CO₂ is continuously monitored in classroom G2 (Qaire DSPG Aula G2 [ETSEIB]):

https://upcsirena.app.dexma.com/l_12535/analysis/by_datapoints/display.htm?topic=CO2

Four subjects use the classroom for their lectures:

| CODI | ASSIGNATURA | Nº MATRICULATS Q2 | DOCENTS |
|----------|--|-------------------|---|
| 240IQU23 | CANVI CLIMÀTIC I CONTAMINACIÓ AMBIENTAL Tuesday and Friday 12:00-13:30h | 15 | <ul style="list-style-type: none">ALBERT SORET MIRAVETEVA GALLEGO PIÑOLJORGE BOU SERRA |
| 240IMA21 | DISSENY, ECODISSENY I RECICLATGE Monday 15:00-18:00h | 12 | <ul style="list-style-type: none">ANA HERNANDEZ EXPOSITOMIGUEL ANGEL SANCHEZ SOTONICOLAS CANDAUNOEL LEON ALBITER |
| EQE | EQUIPS ELÈCTRICS Tuesday 15:00-18:00h | 8 | <ul style="list-style-type: none">MONICA ARAGÜES PEÑALBA |
| 240IQU36 | SISTEMES DE GESTIÓ AMBIENTAL Wednesday 15:00-18:00h | 2 | <ul style="list-style-type: none">MARTI PUIG DURANROSA MARIA DARBRA ROMAN |

To take into consideration:

25/3-1/4: Holy week, spring break

9-12/4: Mid-term exams

- Analyse
- Anàlisi
- Consum
- Cost
- Evolució
- Qualitat de l'aire
- Maxímetre
- Per dispositiu
- PLCs
- Regression
- Heat Map (Legacy)
- Demand Load
- Forecasting
- Data Quality
- Operating Hours
- Microgrid
- Anàlisis Avançades
- Consultes
- M&V
- Informes
- Alertes

Temperatura Humitat CO2 PM2.5 PM10 TVOC

Dispositius o grups

Qaire DSPG Aula G2 [ETSEIB]

Dates

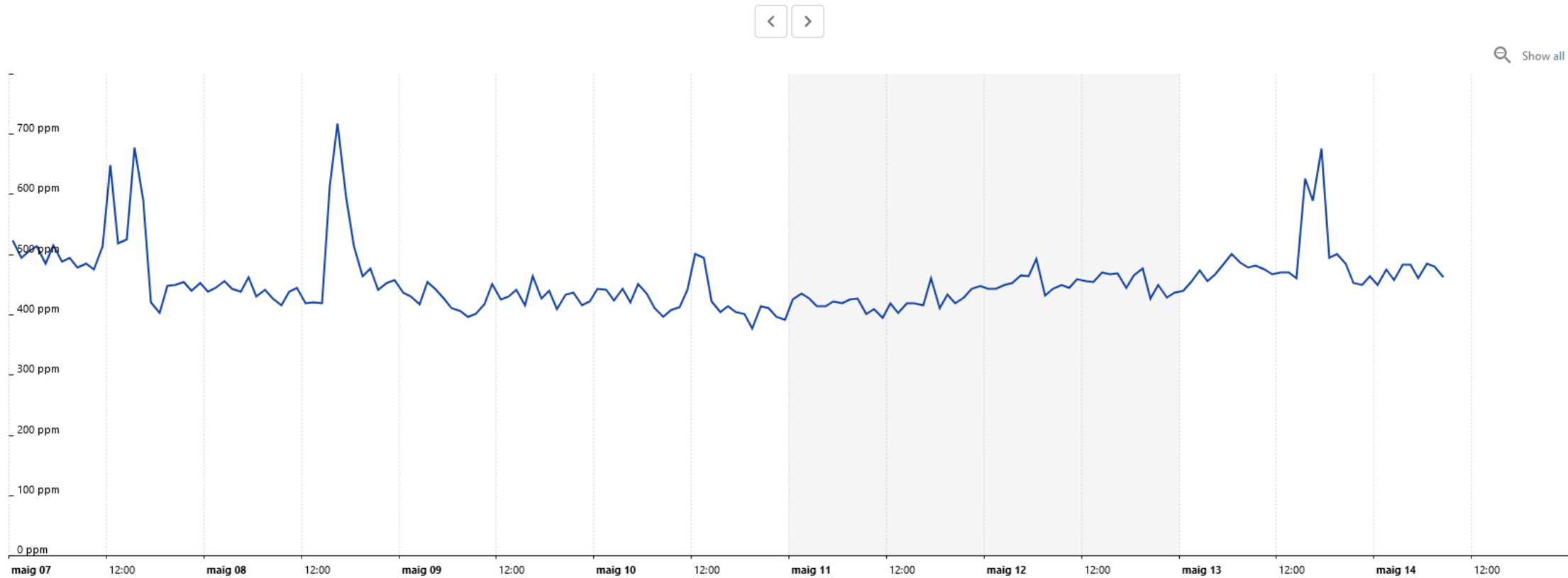
07/05/2024 - 14/05/2024

Freqüència

b 15m 30m h d s m

Filtre horari

Actualitzar



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Tasks:

1. Have a look at CO₂ continuous monitoring chart for the evaluated period (20/2-10/5/2024) in the web application (look for in “Dispositius o grups”: Qaire DSPG Aula G2 [ETSEIB]).
2. Identify the different peaks that appear and try to correlate them with the data recorded by the professors (manual records). Do they match? Are any appearing peaks not expected?
3. Download CO₂ concentrations for the evaluated period in excel format
4. Identify and include in the provided excel file: maximum CO₂ concentrations and hour at which these concentrations take place for each manual record
5. Try to obtain correlations between the number of persons in the classroom and CO₂ concentrations
6. Evaluate possible interferences in the observed CO₂ concentrations derived from windows/door openings