



GOBIERNO
DE ESPAÑA

MINISTERIO
PARA LA TRANSICIÓN ECOLÓGICA



Citizen Science Project in Spain

Project



- **Where?** Girona, NE Spain
- **How?**
 - Involvement 10-12 schools, engaged via “school’s certificate”
 - Each school has “green delegates” at 4th to 6th grade (age 9 to 12 years)
 - NO₂ diffusion tubes
 - Quality control at monitoring station
 - Mixture of traffic and background sites
- **When?**
 - Sept-Dec 2019

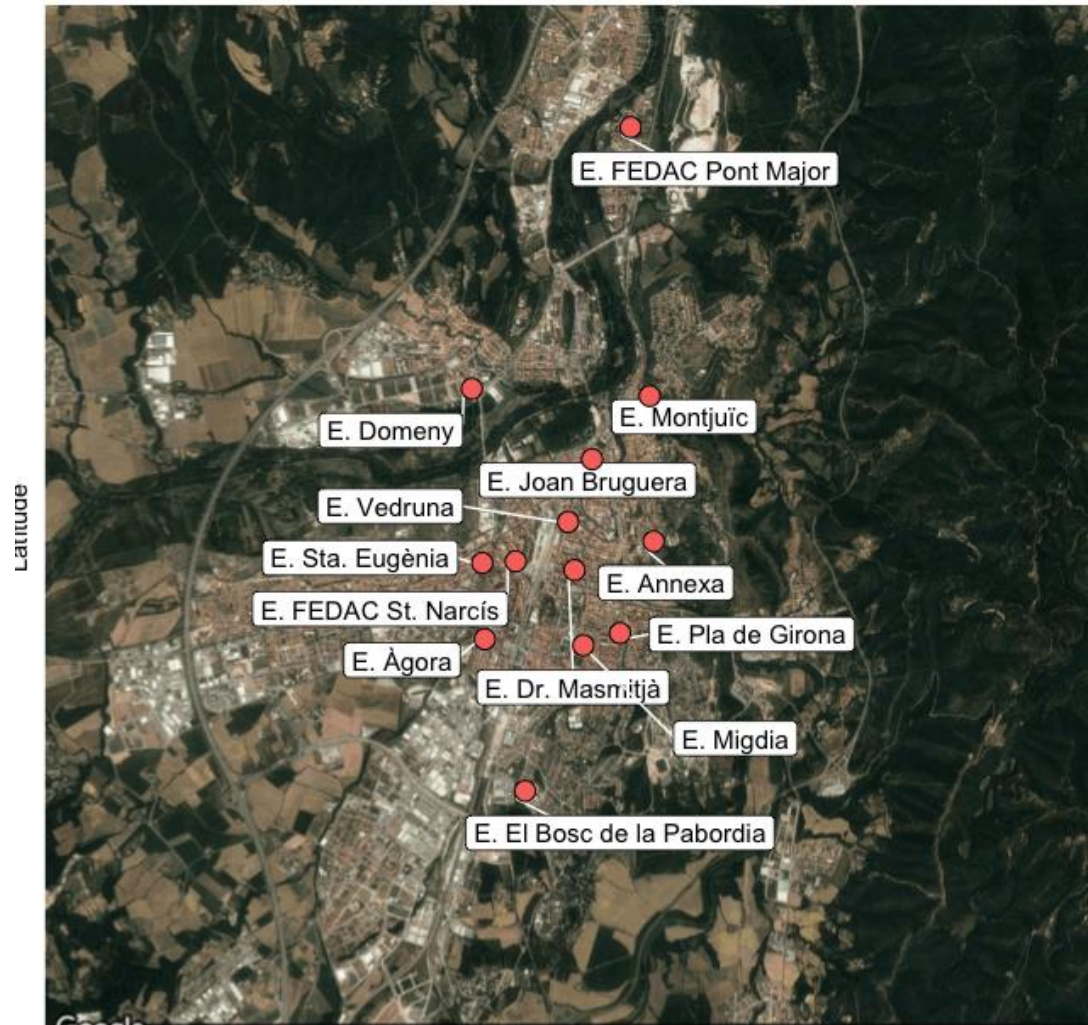


Selected schools



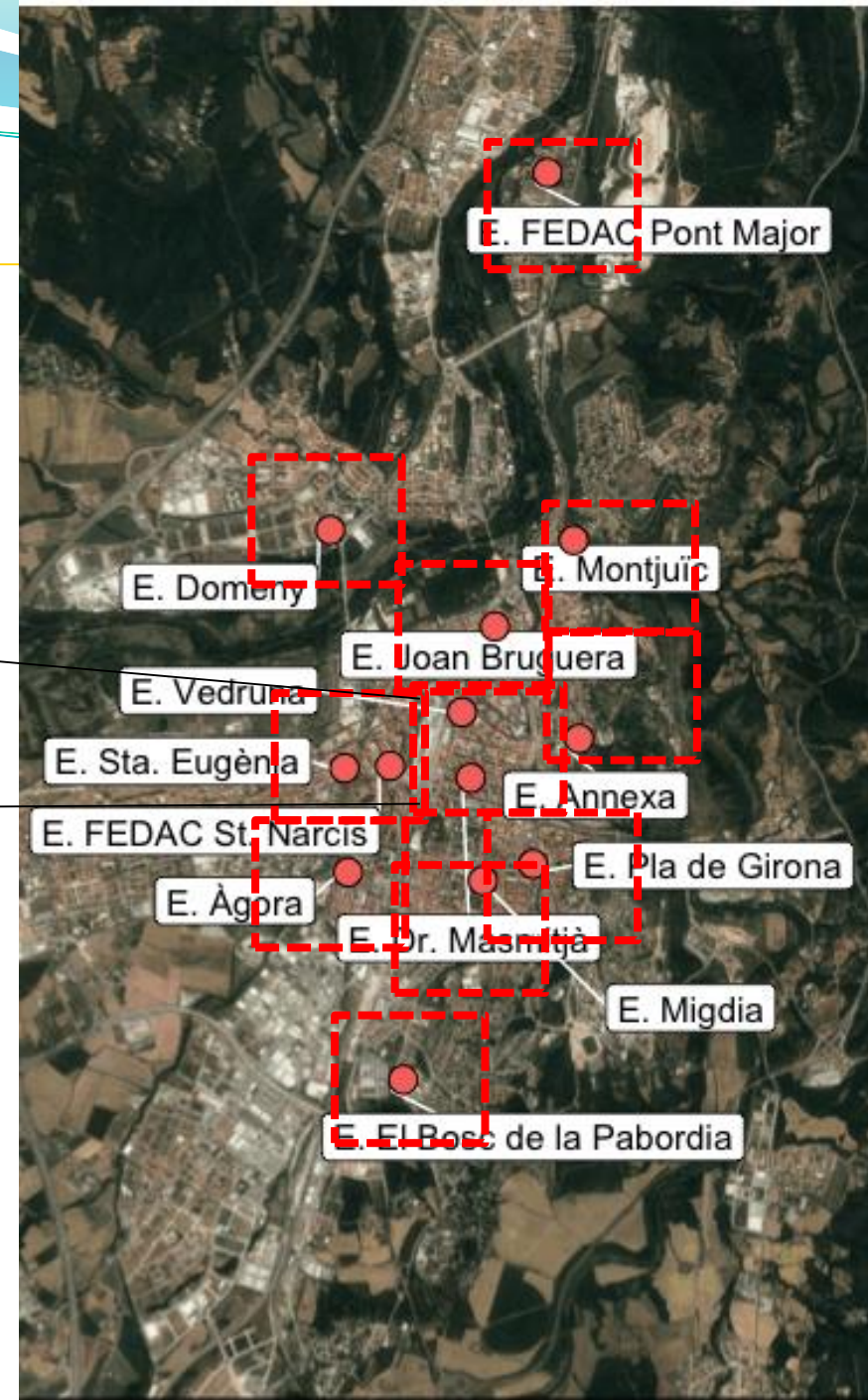
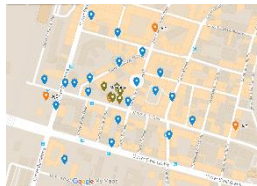
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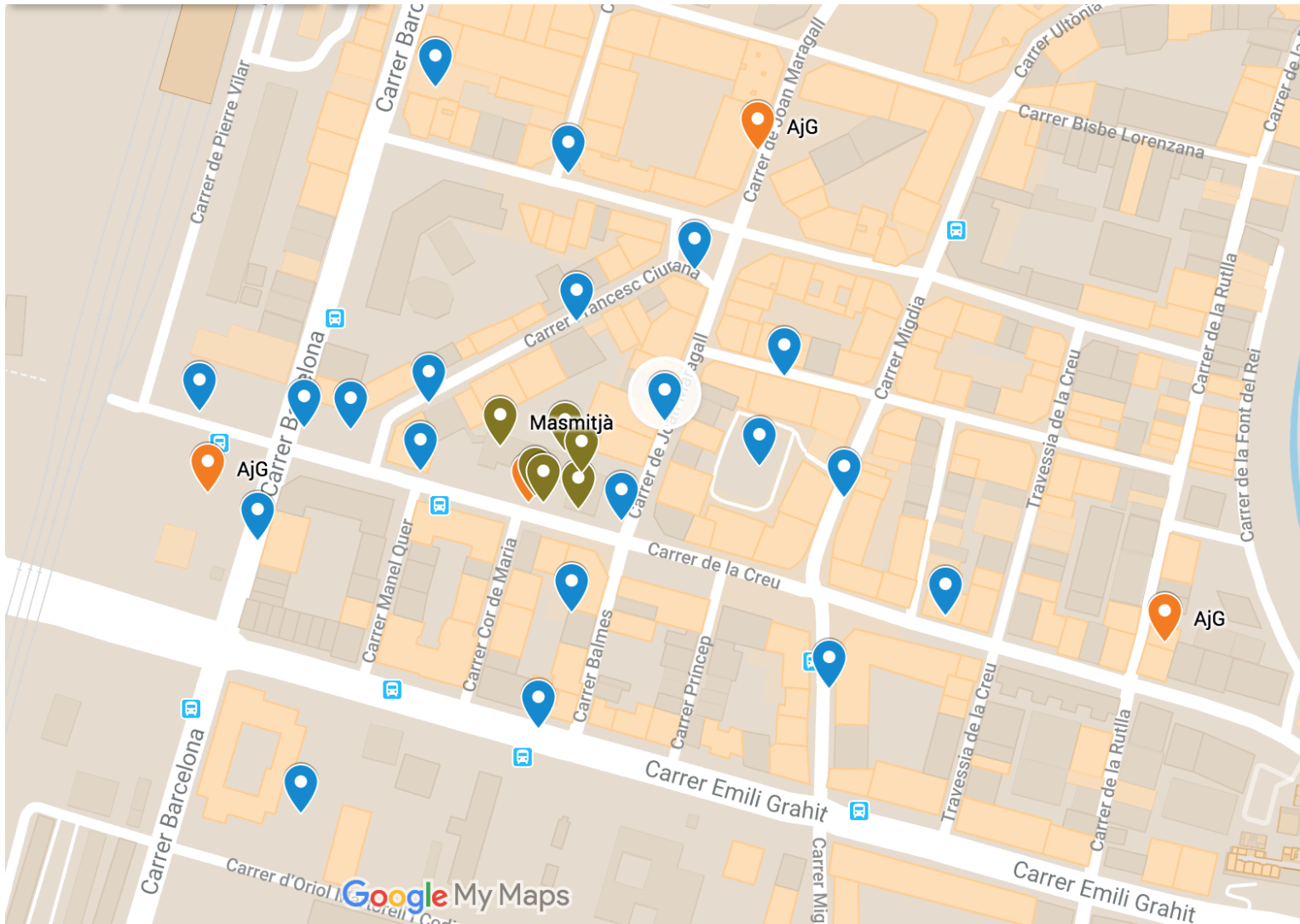


- Select 15-20 points around each school
- Minimum:
 - Main school entrance
 - 1 Indoor
 - 1 playground
 - Traffic & background (50:50)

At each school



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How to measure ?

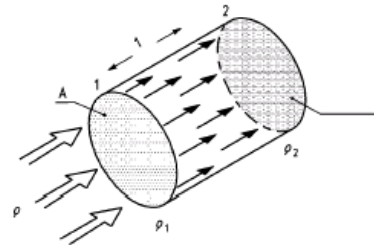


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- NO_2 passive sampler
- At 2.5m
- 4 week exposure



Pilot study



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@4sfera
@Drmasmitja

PIC•COLLAGE

Calendar



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- **June**
 - Final points around school
- **September (23 set)**
 - Re-cap project after summer break
 - Distribution of material
- **September (25 set)**
 - First Deployment of tubes

Calendar



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- **Collection & deployment (23 oct)**
- **Final collection (20 nov)**
- **December**
 - Presentation of preliminary results
 - Elaboration of plans and change of behaviour at school level

Expected conclusions

- Participation in a European initiative
- Quick execution (finish in December)
- The whole education community involved
- Improve knowledge & change habits



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¡Muchas gracias!
Thank you!