



CoGREEN

Citizen Scientists-led Demonstration of the Multiple Co-Benefits of Green Infrastructure Intervention along the Road-Facing School Perimeter



 [@AirPollSurrey](#) [@pk_shishodia](#) [@GuildfordLL](#)



Project Overview



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Aim

The aim is to construct an aesthetically-pleasing nature-based green infrastructure along the road-facing perimeter of the school, together with educational messages to try to instigate behavioural change in the passers-by, and to investigate how it impacts air pollution, noise levels and air temperature in the playground and classrooms, and how the intervention affects biodiversity and anecdotal wellbeing in and around the school.

Project team

University of Surrey

Sandfield school Guildford

Zero Carbon Guildford

Local councillor

Parent group

Community Group



School, Green screen, Monitoring

School Site and monitoring locations



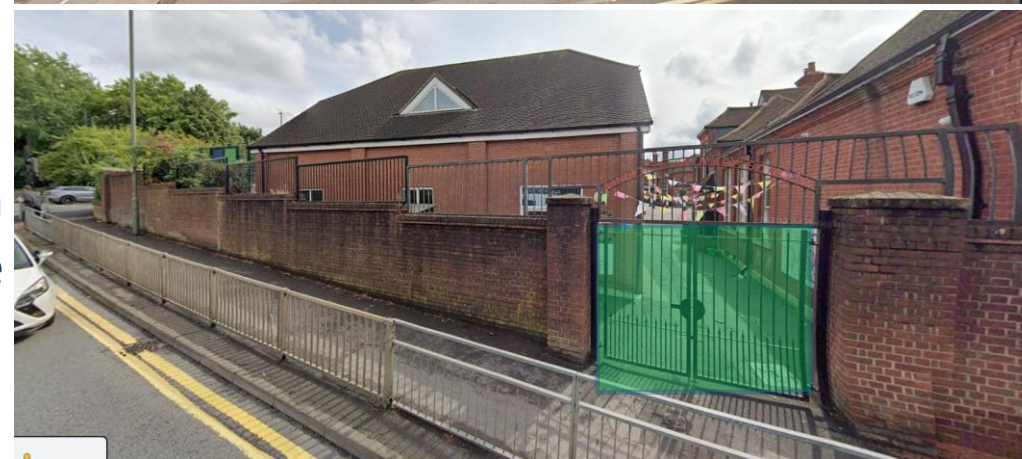
★ Monitoring locations

Proposed Green screens

Car
park



Main
entrance



Green Screen along the fence



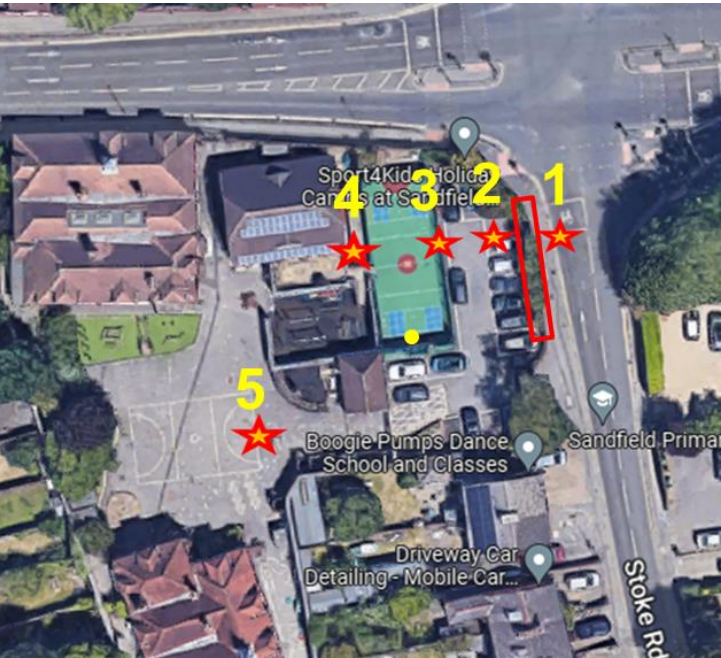
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After

Plan

Before



★ Locations

Monitoring

1

2

3



- PM, BC, CO, CO₂, T, RH, Wind speed, direction, and noise levels.
- Pre-installation of GS monitoring: Finished
- Post installation: This month

Green Screen on Gate



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Plan



Before



After
Green Gate
installation on 14
September



★ Locations

1



2



3



Monitoring

- PM, BC, CO, CO₂, T, RH, Wind speed, direction, and noise levels.
- Pre-installation of GS monitoring: Progressing
- Post installation: This month

- **Biodiversity activity of students:** iNATURALIST app, students are assessing biodiversity in school premises before and after GI installation
- **Survey:** Perception of air quality before and after GI installation
- **Student participation in building Green screen:** Each student will have a plant on the Green Gate





*This work has been supported by the UKRI-funded
RECLAIM Network Plus grant (EP/W034034/1).*



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Thank you

