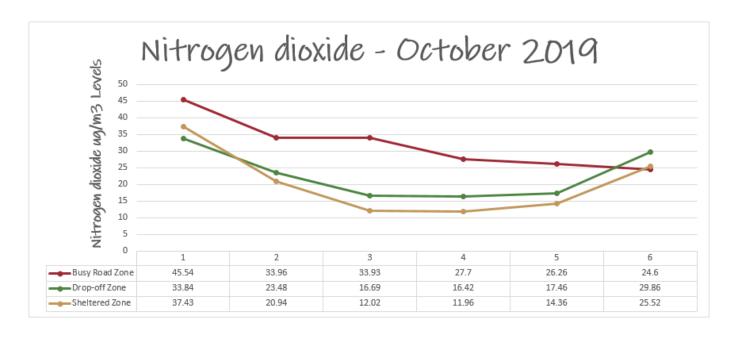
An TAISCE - Air Quality Campaign

What	National program to monitor levels of Nitrog fossil fuels mainly from tra		
Where	NO2 Diffusion tubes in 6 key locations:		
	Pre-2020	2020	
	School Gate	Cumberland Street	
	Sheltered	Sean McDermott Street	
	Cathal Brugha Street	Gardiner Street	
		3 Residential Volunteers inside M50	
Who	An Taisce National Trust for Ireland – Protect Ireland's Natural & Built Heritage		
	NASA GLOBE – Promote the teaching and lo literacy and stewardship, and	_	
	LCC – CDETB Secondary School D1 – Involved that promote the awareness	· -	
When	14 October 2020		
Why	LCC has taken part four times.		
An opportunity to extend the work done in the previous 3 year		ork done in the previous 3 years.	
	An opportunity to use the data to take part in the NASA GLOBE Annual Meeting.		
	Part of An Gaisce Challenges.		
	Raising awareness to promote the use of RENEWABLE FUELS.		
Oct 2019	Levels high on Cathal Brugh Street		
	Ambient air quality NO ₂ levels were breached for the busy-road zone at LCC at		
	45.54 μg/m3: 'Very Bad' category of the Curieuze Neuzen Scale.		
	Sustained breaches of EU guidelines pose a significant risk to public health where it can		
	irritate the airways, aggravating respiratory diseases, particularly asthma, leading to		
	coughing, wheezing and difficulty breathing and increase the risk of cancers, (TCD/EPA research 2019).		
	Recommendations includes continued monitoring at the same locations coupled with		
	further considerations about the urban design of the zones and the flow behaviour of traffic-based NO ₂ .		
	of the zones and the flow behaviour of traffic-based NO ₂ . We would like to investigate		
	the development of a phone app that reports real-time co	•	
	Unusual patterns include Larkin Community College reporting a higher NO ₂ level at the		
	sheltered zone than the drop-off zone and Central Model Primary with a higher		
	NO ₂ level at the drop-off zone compared to the busy-road		
	zone. The urban design features of a str		
Oct 2020	Due to COVID-19 traffic levels are		
Students	Anthony Daza	Karl Harmon	
Judents	Altriony baza Alicja Dajwlowska	Pavel Trigub	
Science			
Principal	Mary Conway Thomas Usher		
DPrincipal	Deirdre		
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	School Name	School Location
1	Larkin Community College	Cathal Brugha Street, D1
2	The Kings Hospital	Old Lucan Road, D20
3	Christ King Secondary School	South Douglas Road, Cork
4	Monaghan Model School	Monaghan Town
5	Balbriggan Educate Together	Balbrigan, Co. Dublin
6	Central Model	Marlboro Street, D1

Colour Code Description		
NO2 concentration (µg/m3)	Description	
50 +	Extremely bad	
45 - 50	Very bad	
40 to 45	Bad	
35 - 40	Substandard	
30 - 35	Mediocre	
25 - 30	Average	
20 - 25	Pretty good	
15 to 20	Good	
10 to 15	Very good	
0-10	Excellent	

Nitrogen dioxide Level



Nitrogen dioxide Diffusion Tube