

R4 Strategic Noise Mapping and Noise Action Plans Agglomerations

Climate Action, Environment & Energy Strategic
Policy Committee
31st January 2024

Owen McManus

Technical Support Division - Dublin City Council

Paul Rutherford

Air Quality Monitoring and Noise Control Unit – Dublin City Council



Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council

Agenda

- Noise Population Exposure Statistics
- Phase 2 – Noise Action Plan (Update on Progress)
 - Most Important Area
 - Priority Important Areas
 - Quiet Areas
- Next Steps
- Questions / Discussion



Noise Population Exposure Statistics

| Noise Exposure (dB Lden) | Road (All Sources) | | Road (Major Sources) | | Rail | | Industry | |
|-------------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|
| | Dublin Agglomeration | Dublin City Council | Dublin Agglomeration | Dublin City Council | Dublin Agglomeration | Dublin City Council | Dublin Agglomeration | Dublin City Council |
| 55-59 | 287,422 | 90,298 | 150,999 | 31,298 | 33,912 | 18,741 | 1,675 | 1,441 |
| 60-64 | 160,531 | 55,869 | 78,830 | 20,652 | 19,312 | 10,498 | 360 | 344 |
| 65-69 | 78,660 | 39,721 | 53,634 | 26,719 | 14,628 | 7,802 | 101 | 99 |
| 70-74 | 23,068 | 12,349 | 20,725 | 11,170 | 10,687 | 6,552 | 31 | 31 |
| >=75 | 2,451 | 371 | 2,430 | 363 | 5,681 | 4,405 | 0 | 0 |
| | 552,132 | 198,608 | 306,618 | 90,202 | 84,220 | 47,998 | 2,167 | 1,915 |
| | | | | | | | | |
| Noise Exposure (dB Lnight) | Dublin Agglomeration | Dublin City Council | Dublin Agglomeration | Dublin City Council | Dublin Agglomeration | Dublin City Council | Dublin Agglomeration | Dublin City Council |
| 50-54 | 169,176 | 50,743 | 104,774 | 22,946 | 22,358 | 12,667 | 1,132 | 1,032 |
| 55-59 | 78,403 | 35,358 | 54,734 | 22,572 | 15,478 | 8,155 | 255 | 244 |
| 60-64 | 32,959 | 19,224 | 29,022 | 16,543 | 10,644 | 6,752 | 10 | 10 |
| 65-69 | 6,285 | 2,601 | 6,169 | 2,489 | 6,193 | 3,933 | 31 | 31 |
| >=70 | 406 | 5 | 390 | 5 | 1,889 | 1,717 | 0 | 0 |
| | 287,229 | 107,931 | 195,089 | 64,555 | 56,562 | 33,224 | 1,428 | 1,317 |

| Dublin Agglomeration | | | Dublin Agglomeration | | |
|-------------------------|----------------------|---------------------|------------------------|----------------------|---------------------|
| Road | | | Rail | | |
| Harmful Effect | Dublin Agglomeration | Dublin City Council | Harmful Effect | Dublin Agglomeration | Dublin City Council |
| Ischaemic Heart Disease | 101 | 40 | | | |
| Highly Annoyed | 108,380 | 40,727 | Highly Annoyed | 21,052 | 12,406 |
| Highly Sleep Disturbed | 28,996 | 10,641 | Highly Sleep Disturbed | 10,987 | 6,630 |



Noise Action Plans

Requirements of Noise Action Plan (NAP)

- Objective of the Regulations;

“... to avoid, prevent or reduce on a prioritised basis the harmful effects, including annoyance, due to exposure to environmental noise.”

- The Noise Action Plan must;

“...determine the measures to be included in an action plan” and;

“.....address priorities which—

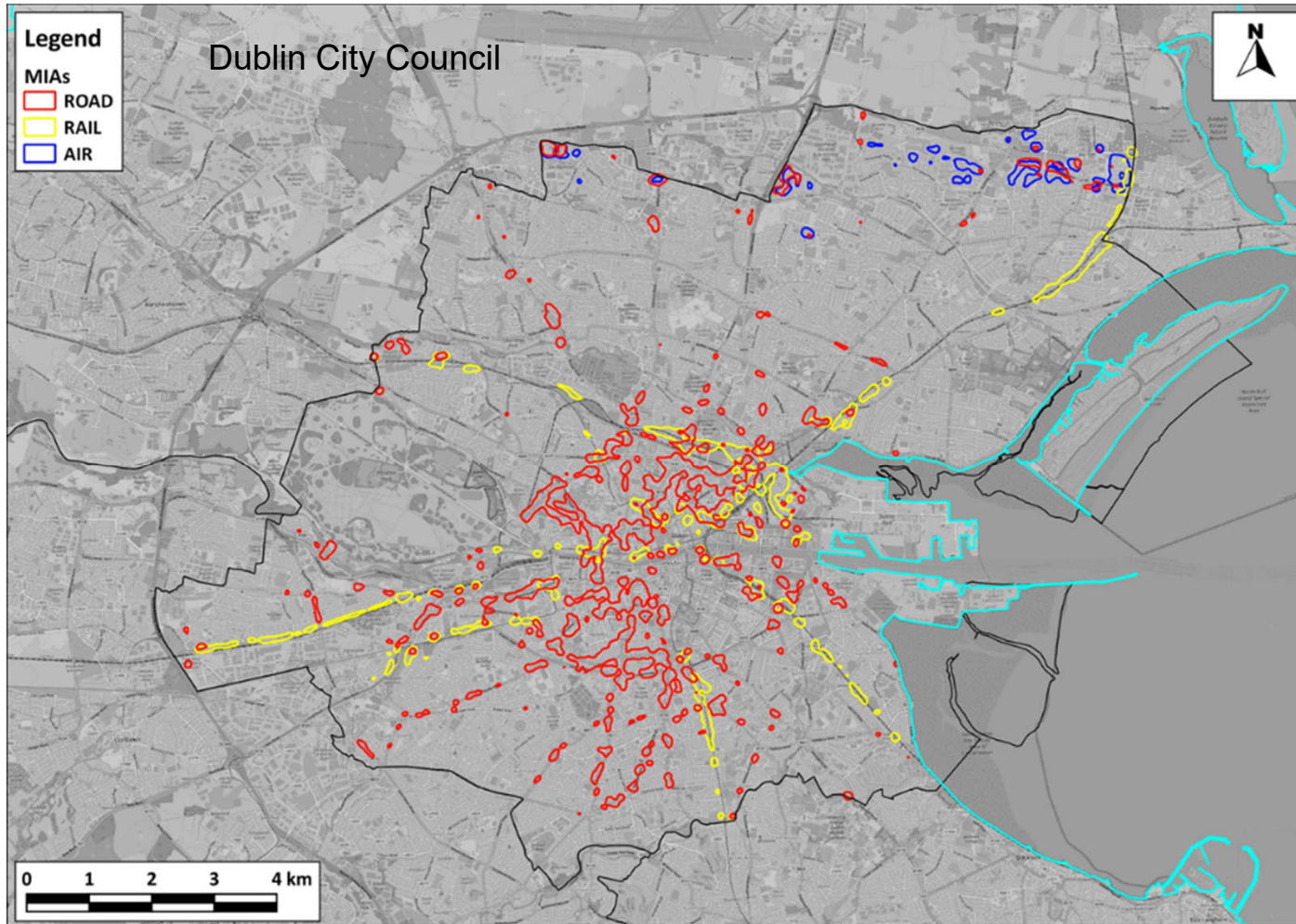
(i) may be identified on the basis of exceedances of any relevant noise limit value or other relevant criteria established by the Agency in accordance with subparagraph (3), and

(ii) shall, in the first instance, address the most important area or areas, as the case may be, established by strategic noise mapping. “ and ;

“have as its objective that of also protecting quiet areas in an agglomeration “



Most Important Areas (MIA)

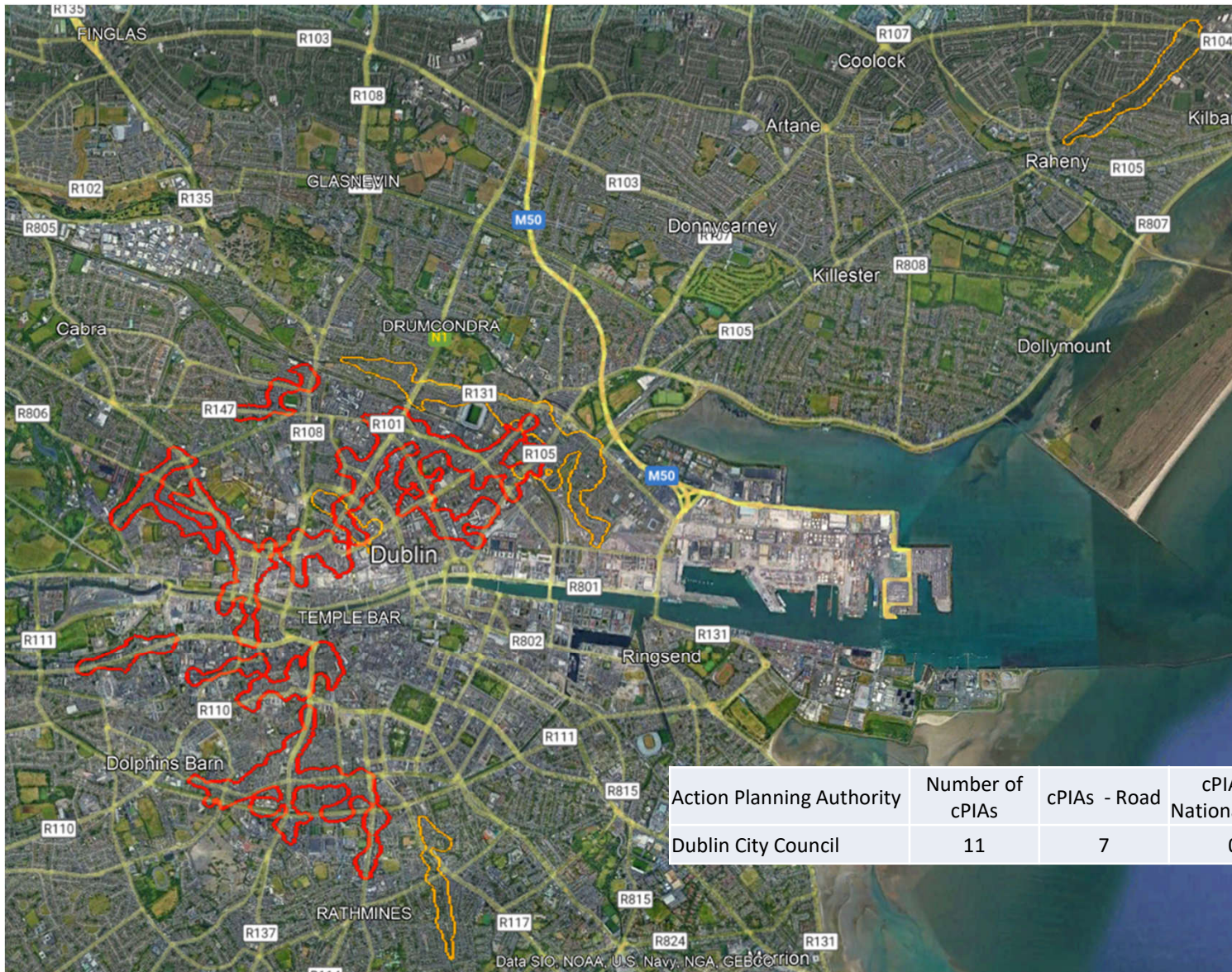


| | Total No. of MIAs | MIAs (Road) | MIAs (Rail) | MIAs (Air) |
|---------------------|-------------------|-------------|-------------|------------|
| Dublin City Council | 320 | 214 | 78 | 28 |



Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council

Priority Important Areas

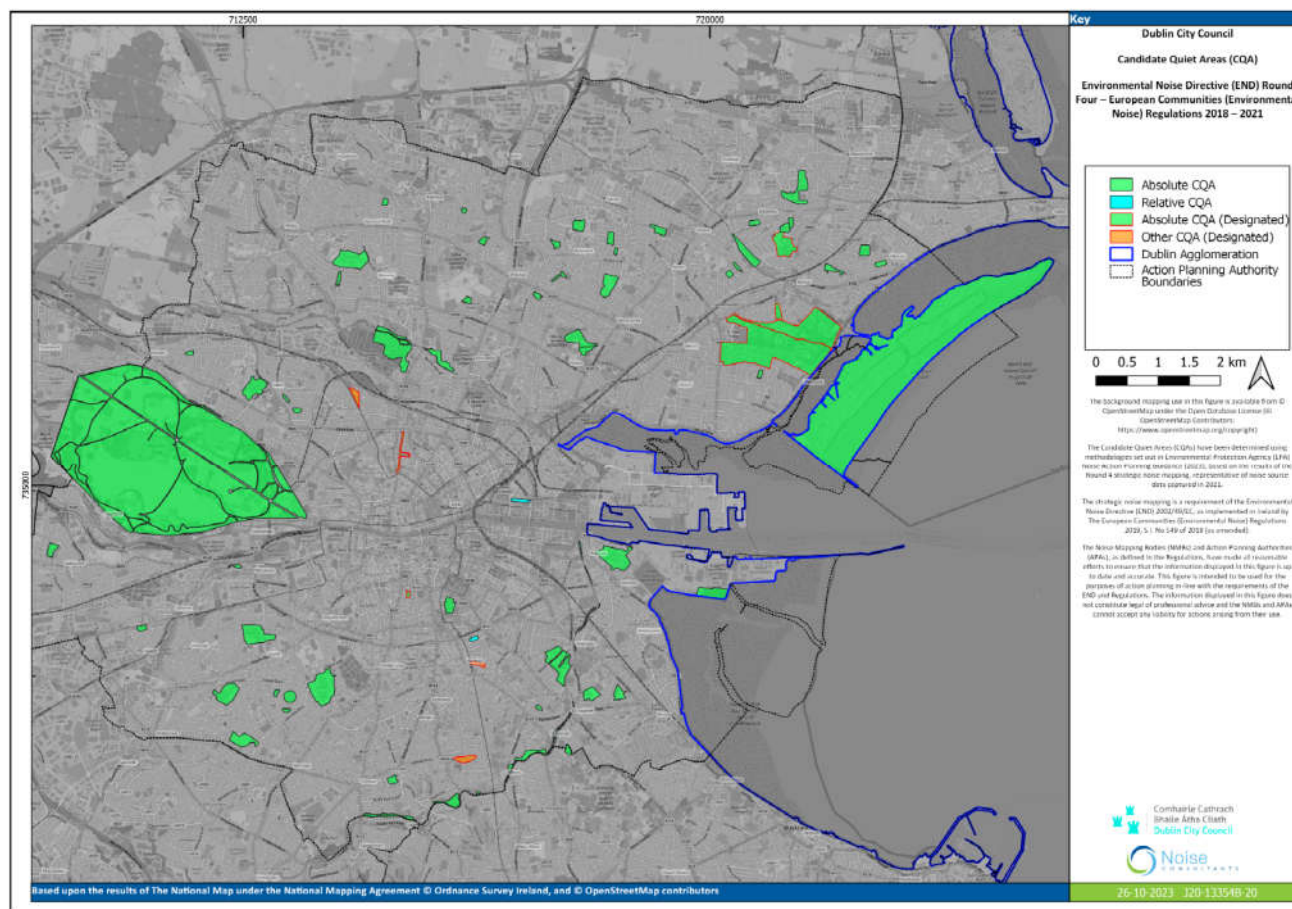


Red – Road
Orange – Rail/Luas

Quiet Areas

- 8 Existing Designated Quite Areas
- 67 Candidate Quite Areas identified
- Shortlisted 11 for evaluation during NAP Implementation
- Pending evaluation outcome submit proposal to Minister to have the areas designated
- Shortlisted areas cover all Local Area boundaries

Candidate Quite Areas



Next Steps

- Review of 2nd Draft of Noise Action Plan by 9th February 2024
- Present to each Local Area Committee Meeting in February 2024
- Complete Sea / AA Screening by Mid March 2024
- Finalise draft Noise Action Plan by Mid March 2024
- Present the Plan at the SPC Meeting 27th March 2024
- Public and Stakeholder Consultation April & May 2024
- Final Noise Action Plan by 18th July 2024



Thank You

Questions / Discussion?



Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council