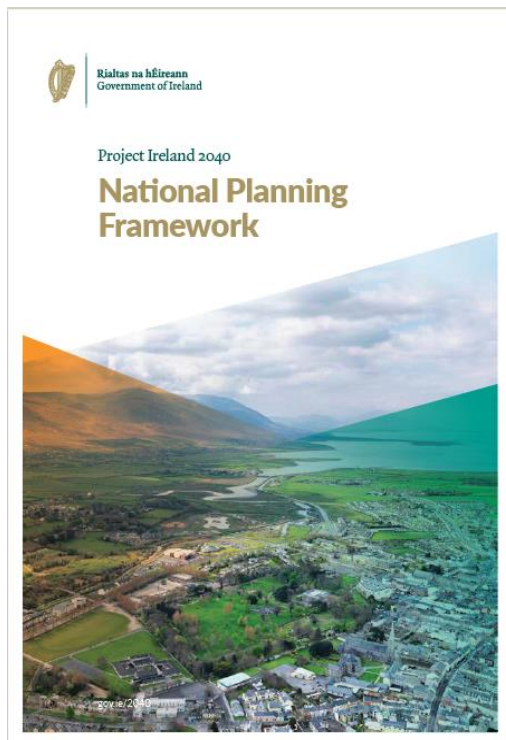


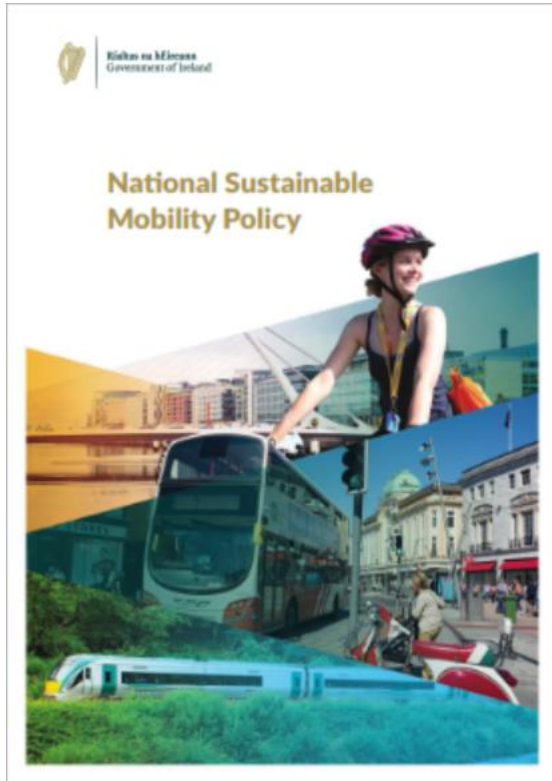


# Transport Investment - Decade of Delivery

# National Strategies



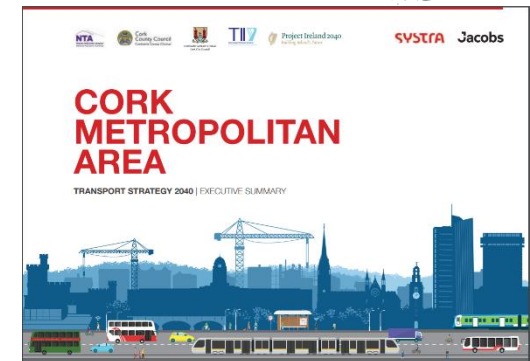
# National Strategies



- Strategic framework to 2030 for active travel & public transport journeys
- Aims to :
  - deliver at least 500,000 additional daily active travel and public transport journeys by 2030 and a 10% reduction in the number of kilometres driven by fossil fuelled cars;
  - make it easier for people to choose walking, cycling and use public transport daily instead of having to use a petrol or diesel car.

# Transport Strategies

- ✓ Transport Strategy for the Greater Dublin Area 2022 - 2042 - Six-yearly review of 2016 – 2035 strategy – with Minister for approval
- ✓ Galway Transport Strategy – review to commence in 2022
- ✓ Cork Transport Strategy completed
- ✓ Limerick & Shannon – second public consultation underway on draft strategy
- ✓ Waterford Metropolitan Area draft strategy published last week for public consultation





# 2022



**2042**



# Review and Update of Strategy



- Statutory 6 year review of Strategy
- Detailed studies and analyses and modelling resulted in a draft updated transport strategy to take us up to 2042;
- Takes account of our climate emission targets as well as the changed transport patterns that are likely to arise from Covid.

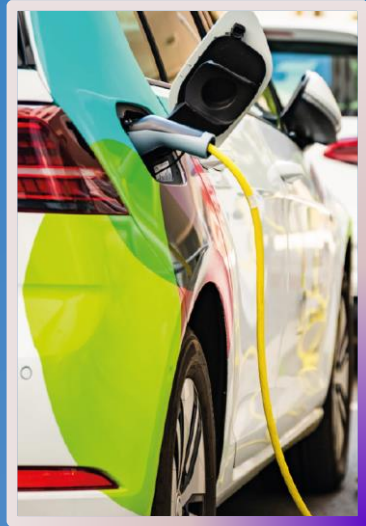


# What's new in the draft Strategy

- Extension of Dart+ to Kilcock, Naas/Sallins and Wicklow
- Additional train stations at Cabra, Glasnevin, Heuston West, Kilemore, Woodbrook, west of Sallins, west of Louisa Bridge and west of Maynooth plus opening of Kishoge station
- Extension of rail from M3 Parkway to Navan
- Additional Luas lines to be designed for delivery post 2042:
  - Luas to Clongriffin/Balgriffin/Blanchardstown
  - Luas extension to Tyrellstown/Clondalkin
  - Luas to Tallaght / Kimmage to Tallaght / Knocklyon
  - Luas to UCD / Sandyford



# Climate Action Management



Total reduction of 51% in CO<sub>2</sub> emissions over the period to 2030, relative to a baseline of 2018 required.

This can be achieved by increasing the proportion of travel by sustainable modes and reducing the level of usage of petrol/diesel powered vehicles

Additional demand management measures will need to be put in place to achieve the overall 51% reduction goal which could be a combination of:

- parking restraint
- zonal charging,
- additional tolling / road pricing
- further vehicle electrification





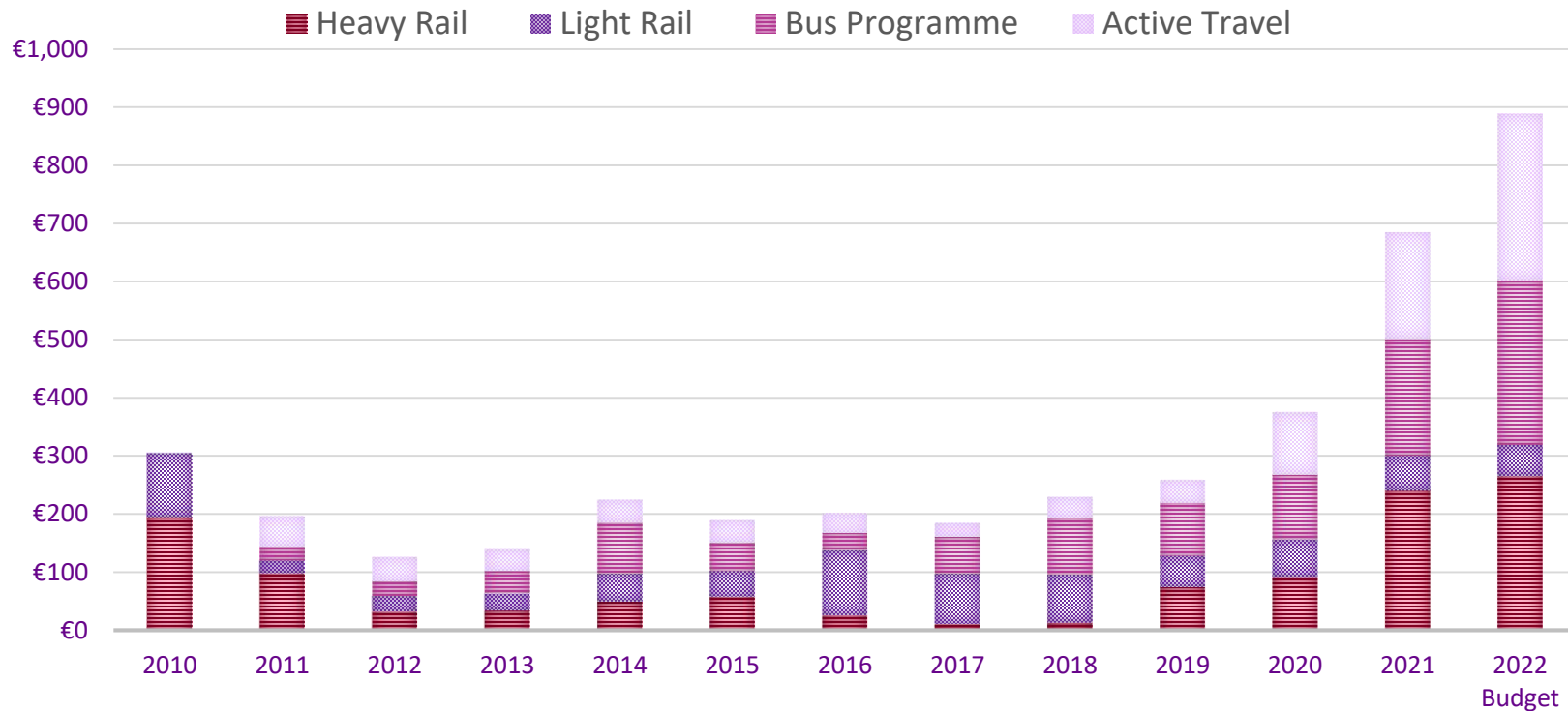
# National Development Plan 2021 - 2030



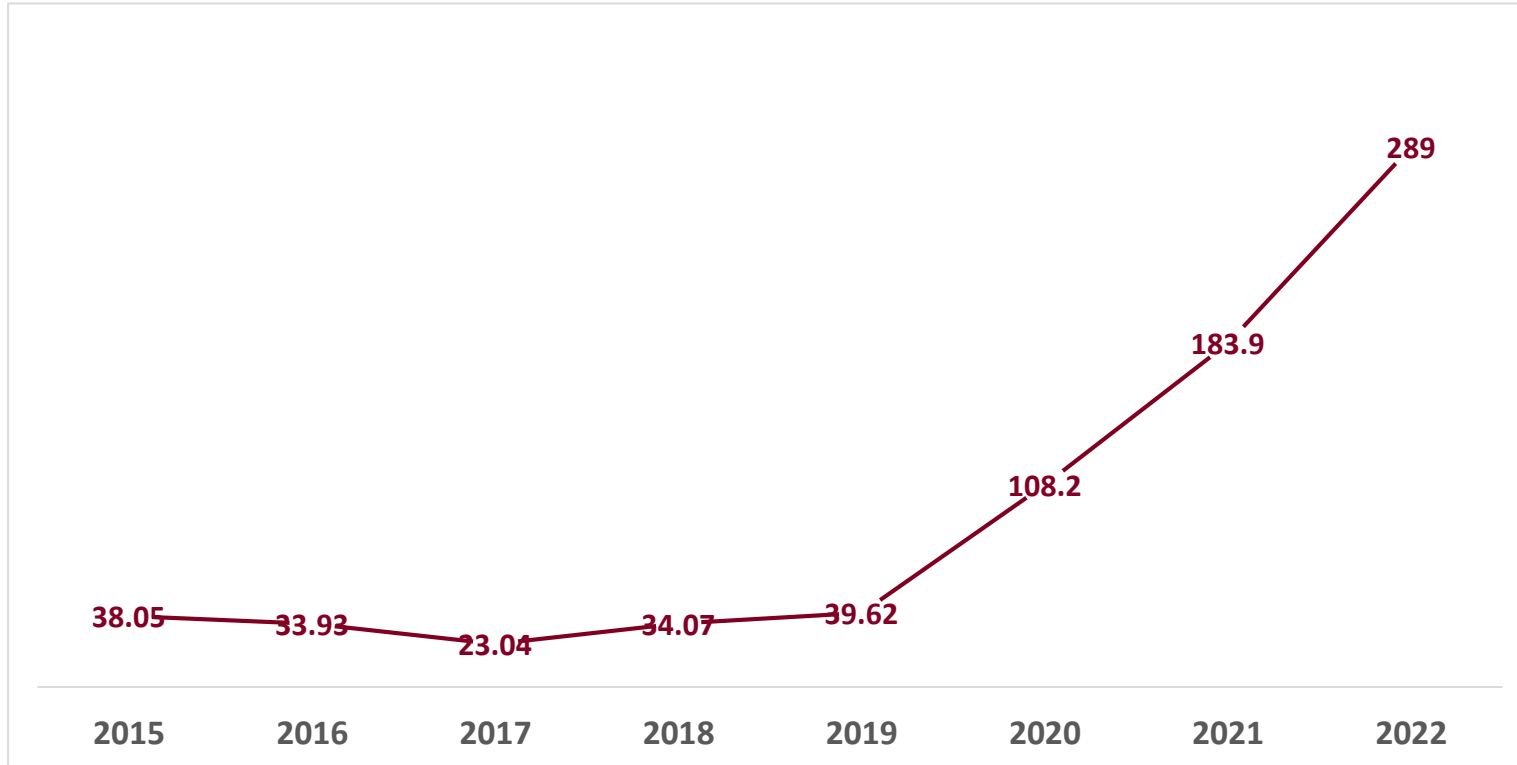
## Key Projects

- Metrolink
- BusConnects
- DART +
- Walking & Cycling Infrastructure

# CAPITAL FUNDING PROFILE BY MODE 2010-2022 (€M'S)



# Active Travel Investment Profile 2015 to 2022



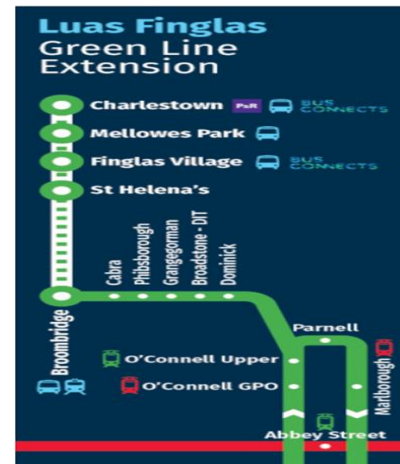
# Metro & Light Rail





# NDP Objective by 2030

- Metrolink planning achieved and scheme under construction
- Planning & design completed for:
  - Luas to Finglas
  - Luas to Lucan
  - Luas to Poolbeg
  - Cork Luas



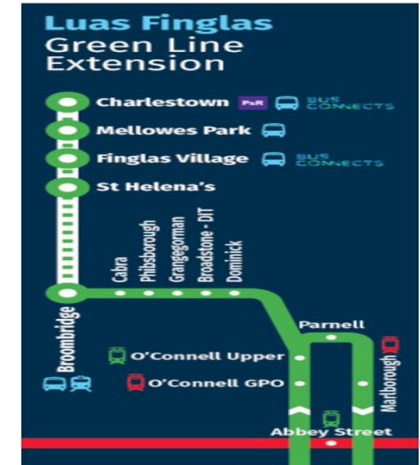
# Preferred MetroLink Scheme

- Alignment completed
- Business case submitted to DoT
- Planning application to be submitted in Q3 2022 subject to government approval of business case



# Light Rail Planning

- National Development Plan – complete planning for additional routes:
- Second Public consultation on Preferred Route for Luas Finglas completed
- Luas Lucan route options analysis has commenced

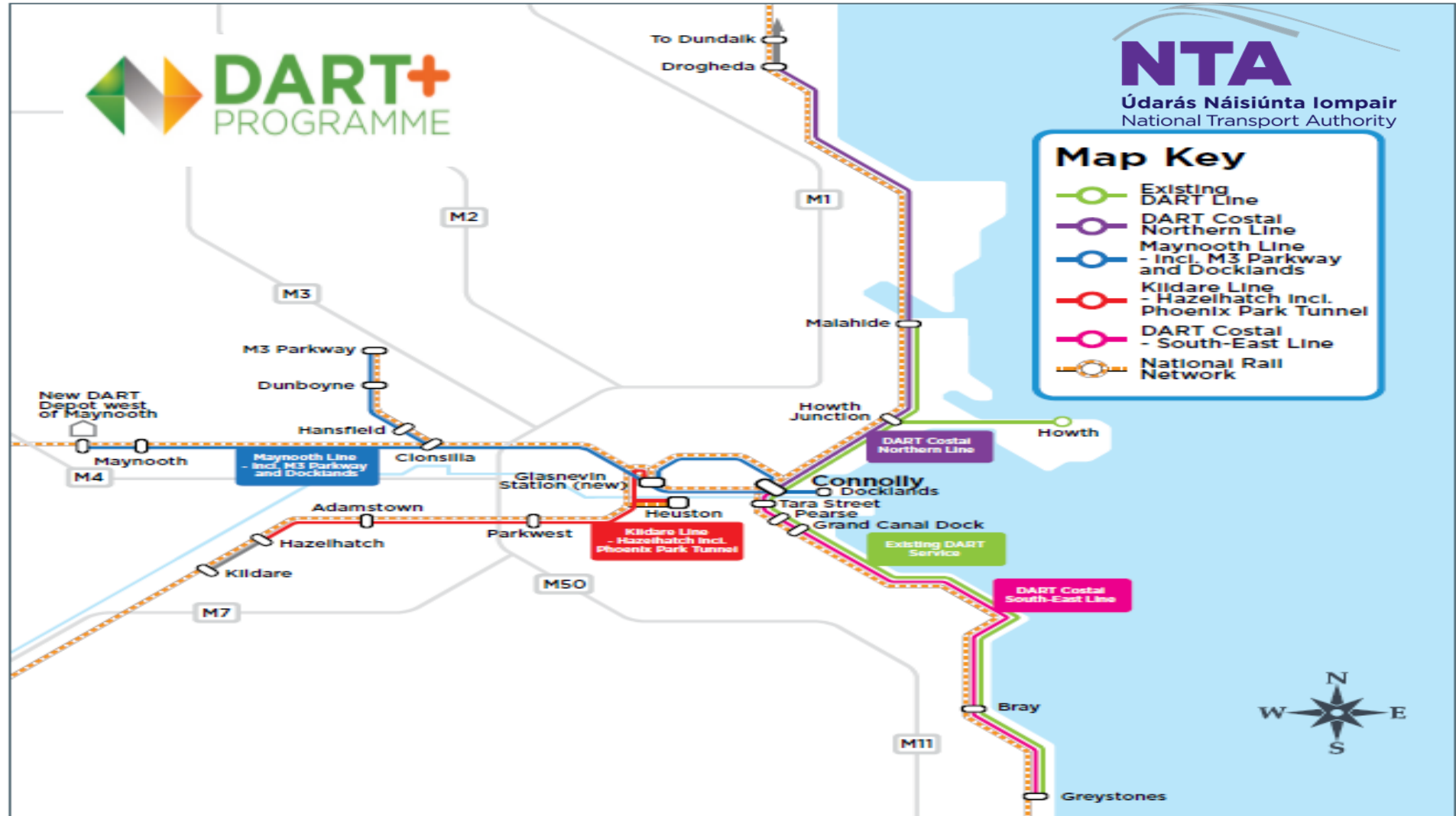


# Dublin DART + plans



## Map Key

-  Existing DART Line
-  DART Costal Northern Line
-  Maynooth Line - Incl. M3 Parkway and Docklands
-  Kildare Line - Hazelhatch Incl. Phoenix Park Tunnel
-  DART Costal - South-East Line
-  National Rail Network





# NDP Objective

- Detailed design and railway orders in place for Dart+ electrifications on all lines;
- New electric/battery electric DART fleet in operation;
- Electrifications underway on all lines;





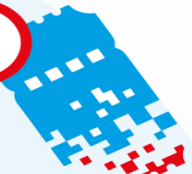






# DART+ Update

- Preliminary business case approved by government;
- First order now placed for new electric/battery electric DART;
- Planning application for DART+ West will be lodged in Q3 and for Dart + South West in Q4 2022
- Design work and public consultations have commenced on the DART+ South West and DART+ Coastal line electrifications;



# BusConnects



-  Building a network of **new sustainable transport corridors**
-  Completely **redesigning the network of bus routes**
-  New state-of-the-art **ticketing system**
-  Implementing **Cashless payment system**
-  **Revamping the fare system**
-  **New bus livery**
-  **New bus stops** with better signage and information
-  **New Park & Ride** sites in key locations
-  Transitioning to a **zero emissions bus fleet**

# NDP Objective

- BusConnects Dublin network completed;
- BusConnects Sustainable Transport Corridors complete;
- Next Generation Ticketing in operation across all modes in Dublin
- Park & Ride facilities increased
- Transition to zero emission fleet is almost complete;





# Status Report

- Implementation of 3 phases of BusConnects Dublin network completed and 2 further phases planned in 2022 – to be completed in 2024
- Bus Corridors – first two planning applications for Clongriffin to city centre & Blackrock to city corridors have been lodged with An Bord Pleanála – all 12 applications to be made by end 2022

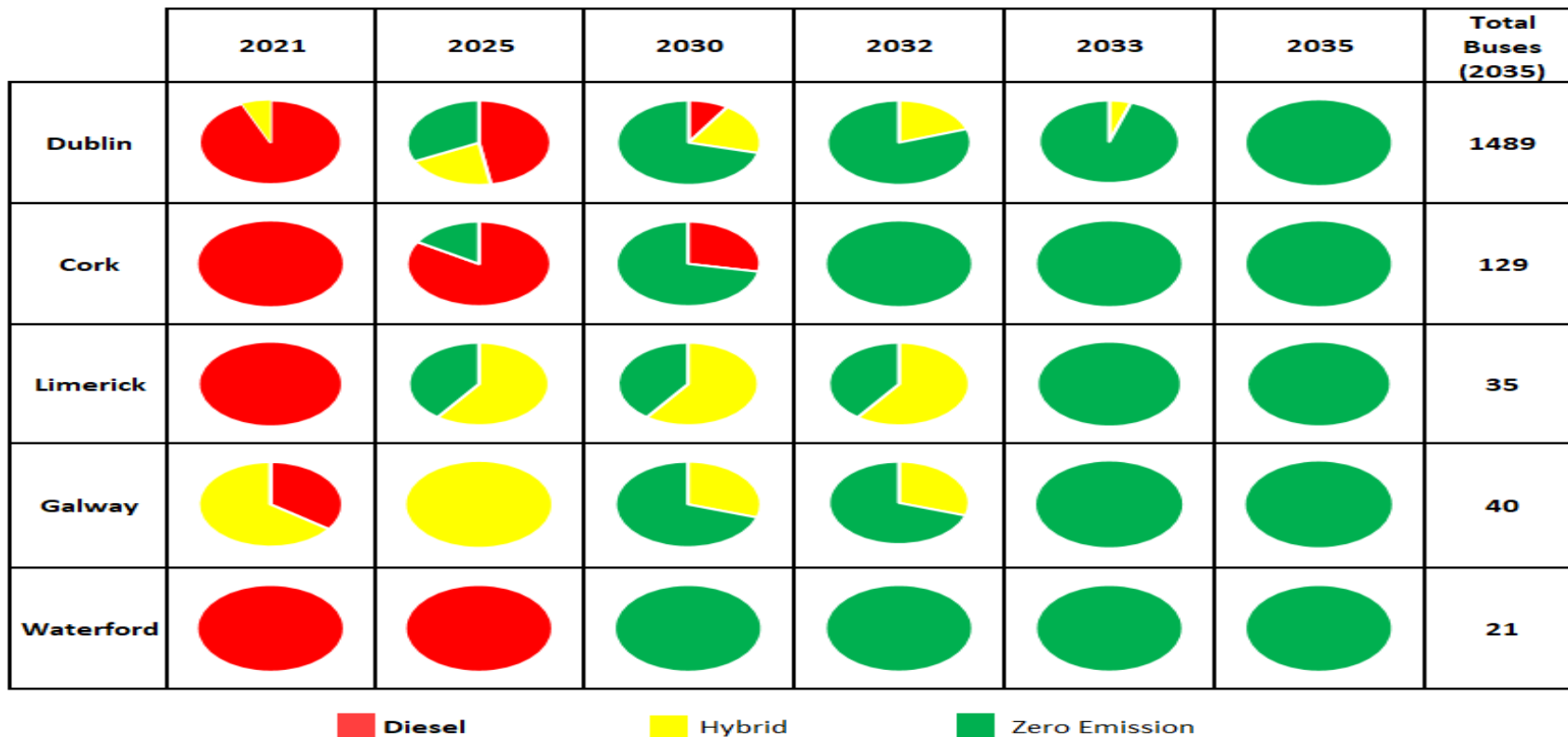


# Status Report

- Park & Ride Office established – strategy has been developed for GDA – 3 for planning along N/M11 later this year
- NTA engaged with TII & local authorities on provision of bus lane on M4/N4 (Part 8 later this year) and N/M11 hard shoulders in 2023
- Procurement of Account based ticketing has commenced



# Pathway to zero for urban PSO fleet



# Lower Emission Vehicles

- 280 diesel electric plug-in hybrid double deck buses for urban services have been delivered and now in operation (20% of Dublin Bus fleet now hybrid)
- Orders have been placed for fully electric single deck and double deck bus fleet
- NTA purchased three hydrogen fuelled double deck buses for trial commencing in 2021



# Metropolitan Plans



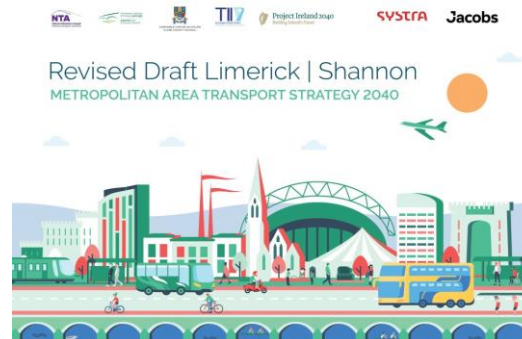
# NDP Objective - Bus

- BusConnects Cork, Limerick, Galway & Waterford delivered:
  - Sustainable Transport Corridors
  - New enhanced networks
  - Park & Ride
  - Account based ticketing
  - Zero emission fleet



# NDP Objective - Rail

- Commuter rail services and infrastructure in Cork, Galway & Limerick;
- Cork light rail design complete
- Feasibility of Luas in Galway examined



# CORK METROPOLITAN AREA

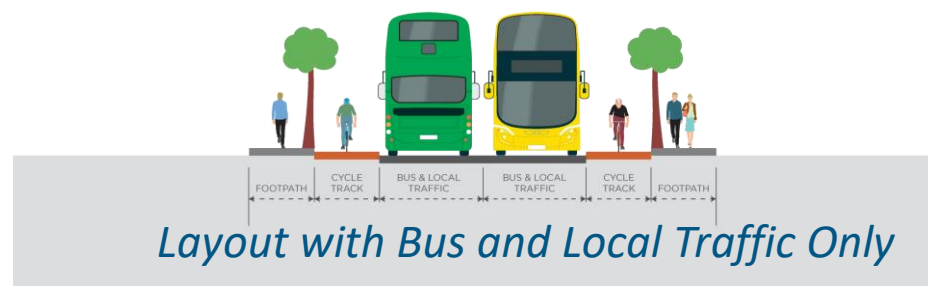
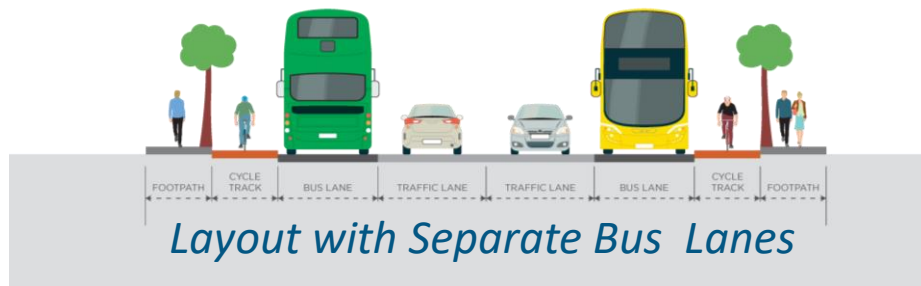
TRANSPORT STRATEGY 2040 | EXECUTIVE SUMMARY





# Cork Strategy Bus Implementation

- BusConnects Cork improved network of bus services being finalised following public consultation;
- BusConnects Cork sustainable transport corridors – detailed proposals to be published this month



# Cork Strategy Rail Implementation

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- Design of preferred route for Luas Cork
- Work has commenced on improvements to commuter rail to Cobh/Midleton
  - Mallow station now in commuter fares zone
  - Increased frequency off-peak being introduced in July
  - Designs for improved signaling, double-tracking and station through platform at Kent Station underway

# Cork Strategy Active Travel Implementation

- Cork City Council delivering significant improvements in city centre for walking, cycling & bus priority
  - MacCurtain Public Transport Improvement Scheme;
- Extensive work underway on additional safe segregated cycling infrastructure;



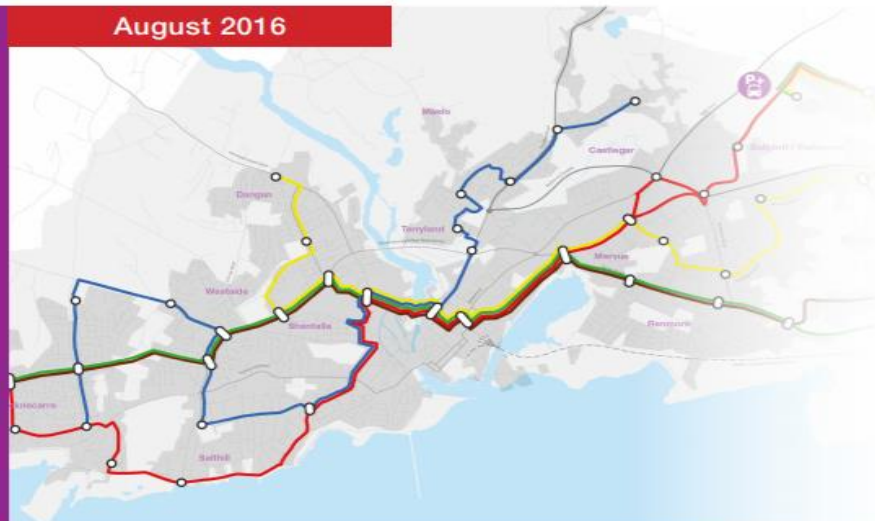
# Straitéis Iompair na Gaillimhe

## Galway Transport Strategy

An Integrated Transport Management Programme for Galway City and environs



August 2016



# Galway Strategy Implementation

- NTA working with operators to deliver BusConnects network of services in Galway – Galway PSO fleet now all hybrid vehicles
- Galway City Council are delivering the following key Galway BusConnects projects:
  - New Salmon Weir bridge – construction has commenced
  - 4km Dublin Road sustainable transport corridor- design stage
  - Cross City Link – planning application later this year

# Galway Strategy Implementation





# Public Transport Services





# Objective by 2030

- BusConnects networks complete in all cities;
- Town services delivered in Carlow, Dundalk, Ennis, Letterkenny, Mullingar, Portlaoise, Tralee;
- Connecting Ireland delivered;
- Enhanced timetable of rail services nationally;



# CONNECTING IRELAND

Rural Mobility Plan

## Connecting Ireland Status

- Report on consultation published
- Funding for Phase 1 of implementation in 2022 received
- Delivery has commenced across the country
- Focus this year is on delivery in areas that will support locations of Ukrainian refugee accommodations
- Important to improve bus stop and shelter infrastructure as well

# Investment in Active Travel



# Objective to 2030

- Deliver core cycle networks in all cities and towns across Ireland;
- Significant mode shift to cycling;
- Safe Routes to Schools to encourage Walking & Cycling



# Active Travel Investment 2022

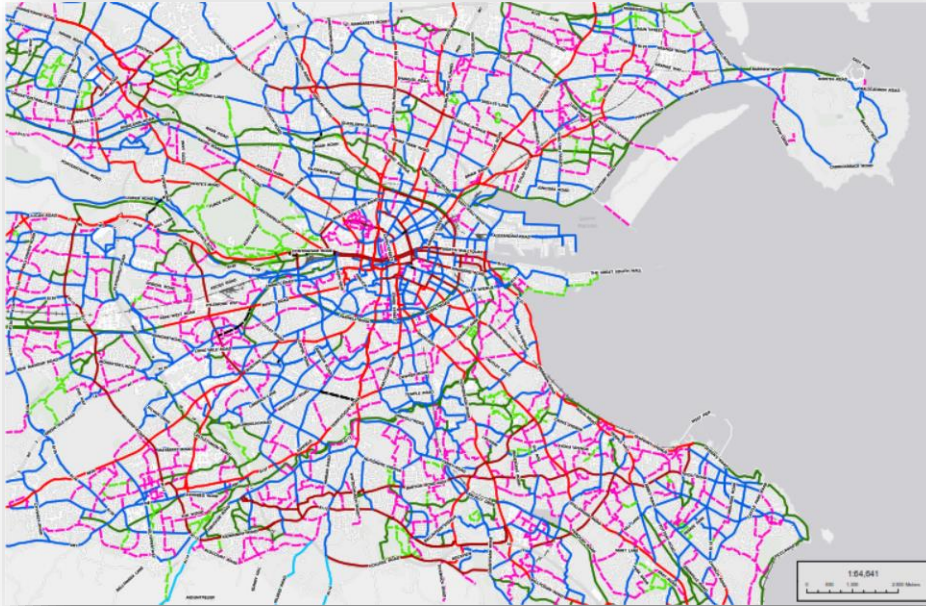
Region	Number of Active Travel Projects
Greater Dublin Area	348
Regional Cities	218
Rural Local Authorities	442
Campuses, Hospitals, Education Insts.	18
Total	1026

# Programme Branding

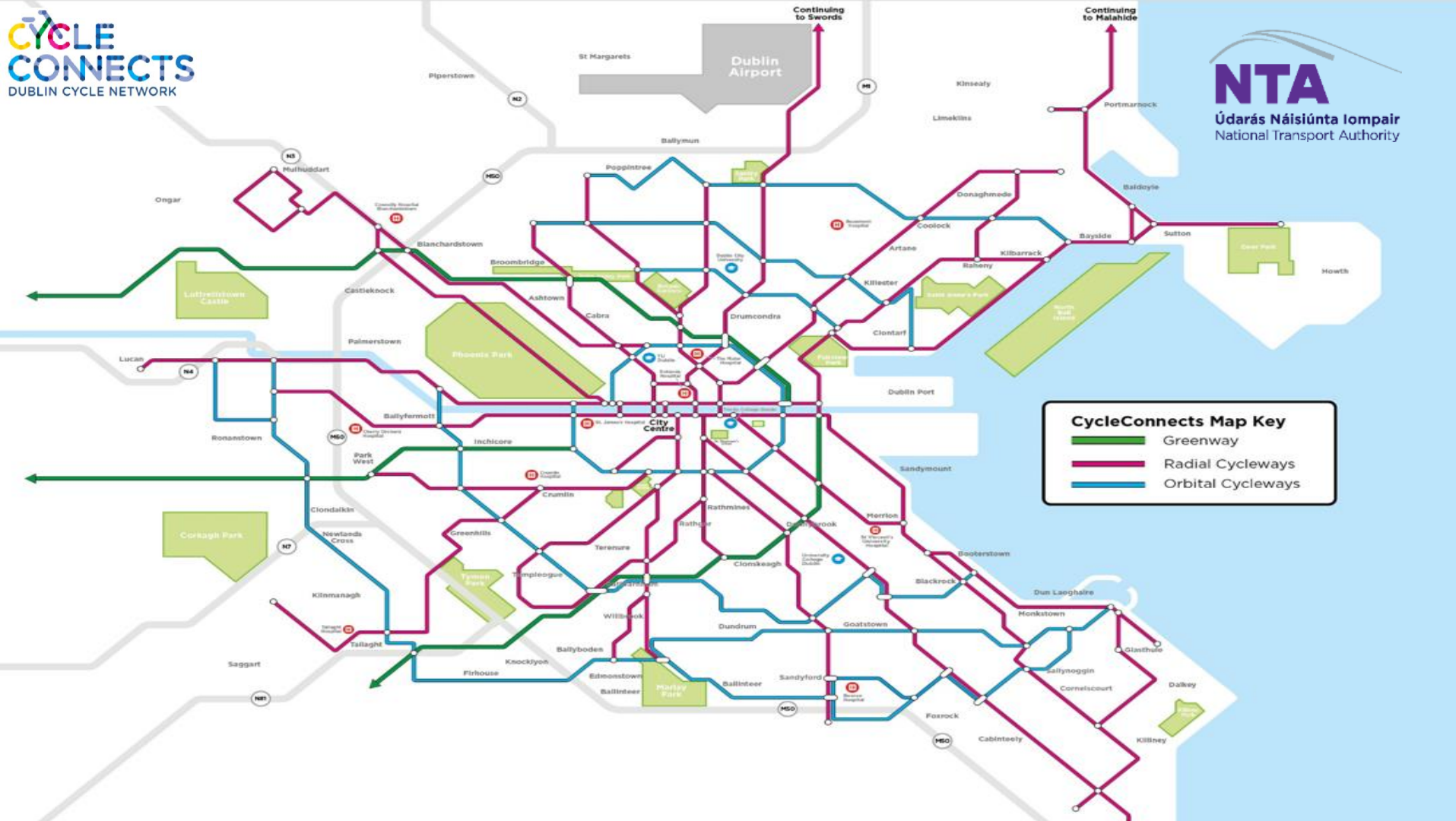




# Maps for Communication



- Current overall network maps – spatially and geometrically correct, but complex and cluttered for people to understand.
- Proposal is to provide a more communications friendly map that focusses on the core network





# Clontarf to City Centre







**Dodder Greenway Phase 3, SDCC**





Dodder Greenway Phase 3, SDCC

# Congestion & Transport Emissions

- Car congestion continues to rise & transport emissions are increasing
- The cost of time lost due to congestion in the Dublin Region is forecasted to rise to over €2bn per year in 2033
- More than ever we need to deliver sustainable transport in this decade



**Thank you for your attention**