

Active Travel in Ireland – Lessons Learned from Covid Mobility Interventions

Mix Your Modes Webinar



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Outline

1. Introduction

2. DLR's Covid-19 Mobility & Public Realm Interventions

3. Lessons Learned

- **Mobility & Liveability**
- **Safety & Maintenance**
- **Climate, Environment & Health**
- **Cohesion & Connectivity**
- **Engagement & Collaboration**
- **Integration of Transport Modes**

4. Final Thoughts

DLR's Mobility / Public Realm Interventions

Coastal Mobility Route



DLR COVID-19 RESPONSE: COASTAL MOBILITY INTERVENTIONS



DLR

- Executive – engineers, urban designers, PMs, communications & contractors
- Councillors – regular briefings and updates

Public, Residents and Businesses

- General public – updates
- Residents, businesses and those affected by the routes - complaints/queries
- On-site meetings to resolve issues - solutions in real time, 'solve as you go'

Media/Social media

- Communicating & explaining

Disability Groups

- Engagement via DLR's Disability Consultation Forum

Key Points

- 4.5 km route, one-way system for vehicles - 2-way cycleway 3.6 km & Quiet Streets 0.9km
- Started in June 2020 & completed in 8 weeks
- Designed in-house, using a dynamic and adaptive design model
- Est. cost €2.5million or c. €550k/km
- Post v Pre, 20k v 4 k cyclists/week
- Wide diversity of users



DLR's Mobility / Public Realm Interventions

Coastal Mobility Route



DLR's Mobility / Public Realm Interventions

Blackrock Village

- One-way system for vehicles, widened footpaths, expanded public space and cycling facilities
- Heritage village - placemaking and public realm improvements
- Village bypassed & 2 large shopping centres
- Very engaged business & residential community
- Excellent transport links, strong retail sector and large residential population



DLR's Mobility / Public Realm Interventions

Dundrum Village

- One-way system for vehicles, widened paths & contra-flow cycle lane, reorganised bus routes
- Heritage village - placemaking and public realm improvements
- Bypassed, 2 large Shopping Centres on edges & less active Main St.
- Bring life back into northern end of the village
- Large residential population surrounding village

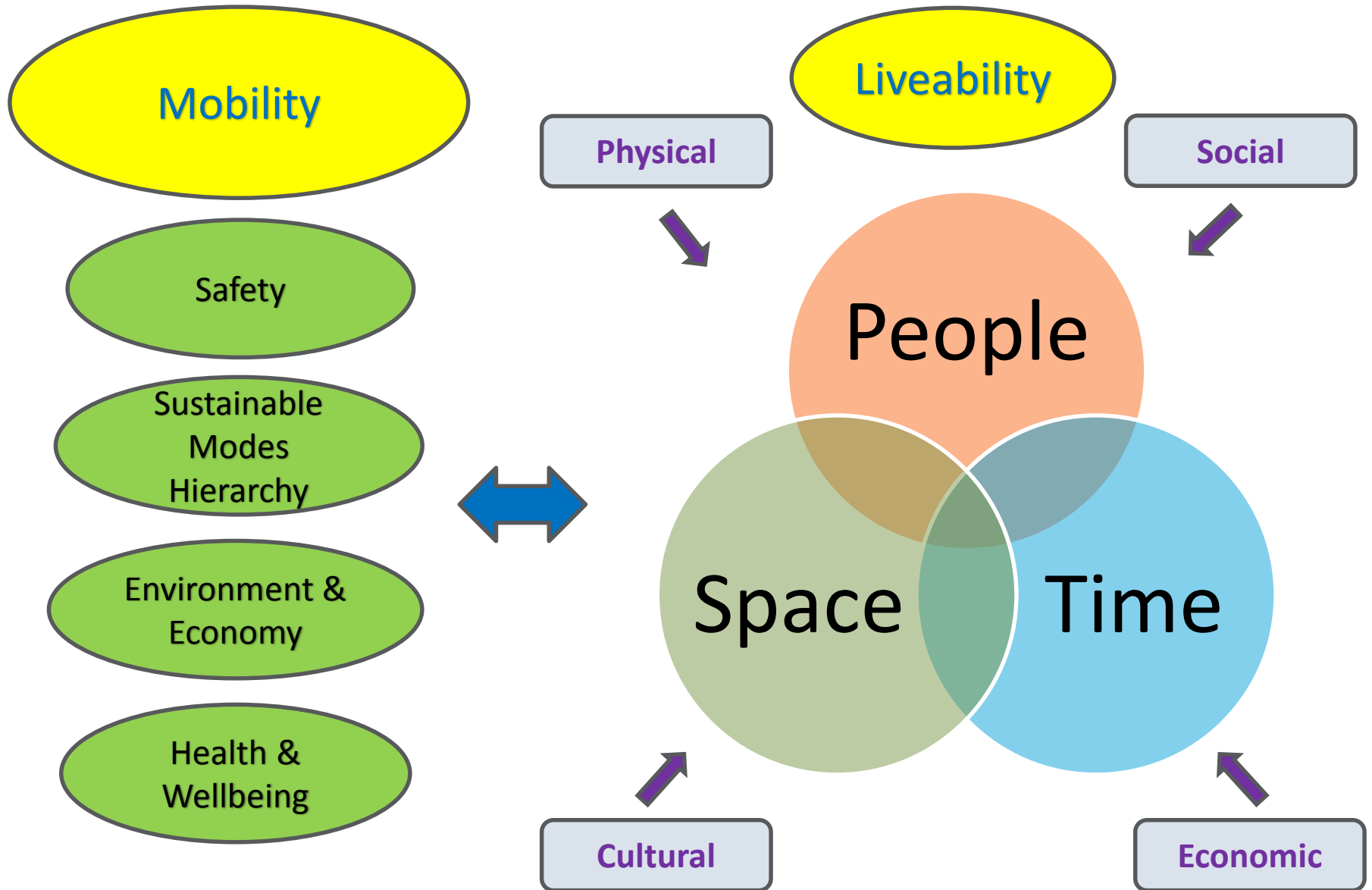


DLR's Mobility / Public Realm Interventions

Villages of Glasthule & Dalkey



Mobility & Liveability



Safety & Maintenance

Road Safety

- 148 deaths in 2020
- Deaths of 32 pedestrians & 10 cyclists
- Cork (24), Dublin (20)
- Avoidable – Vision Zero, Oslo

Personal Safety

- Esp. children, women, older people

Ongoing Maintenance

- Asset management, repairs, cleaning, winter maintenance



Travelling in a Woman's Shoes

UNDERSTANDING WOMEN'S TRAVEL NEEDS IN IRELAND TO INFORM THE FUTURE OF SUSTAINABLE TRANSPORT POLICY AND DESIGN

JULY 2020



Climate, Environment & Health

Climate Action

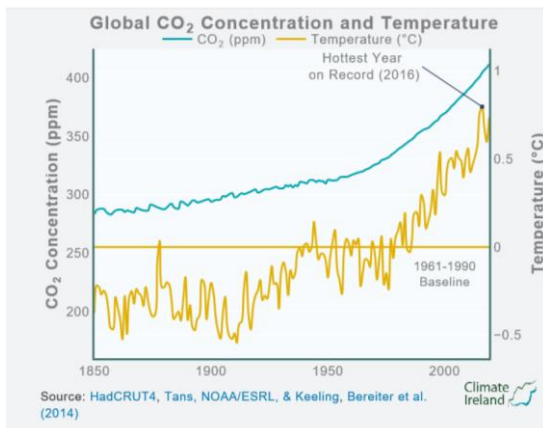
- Climate Change Action Plans
- Emissions – Carbon Zero 2050
- Transportation – 40% CO₂ energy-related emissions

Environment

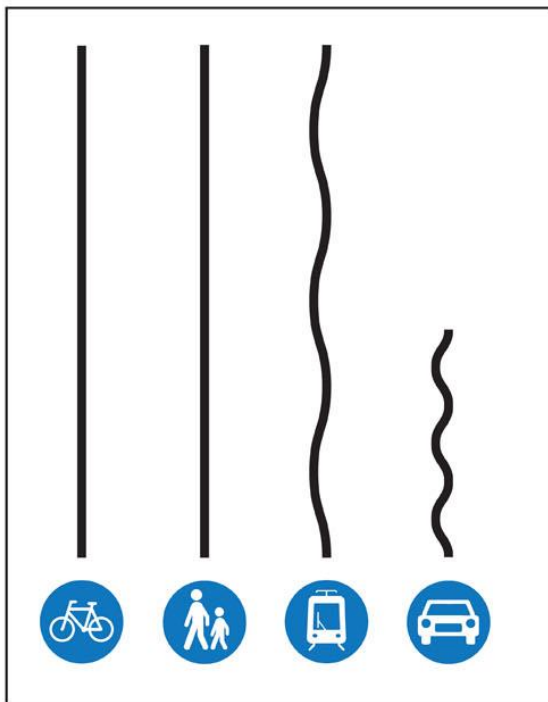
- Air, Noise & assoc. health effects
- 1,300 premature deaths/year in Ireland from air pollution
- 144 deaths/year in Dublin arising from diesel emissions alone

Physical & Mental Health

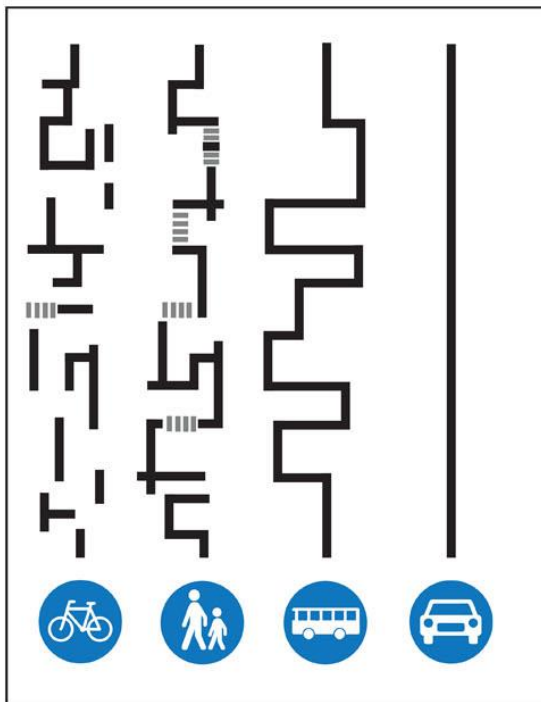
- Min. daily activity levels
- Adults 30 mins/day, children 60 mins/day



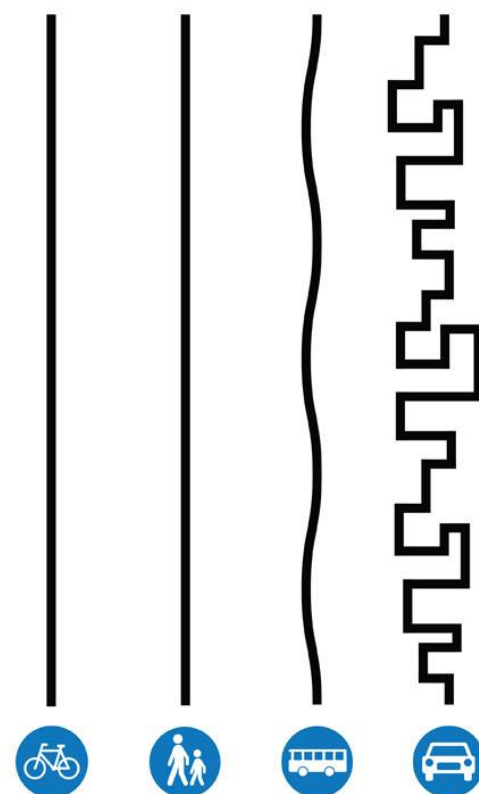
Cohesion & Connectivity



1920



1950 - present



**The Copenhagenize Traffic Planning Guide
for Modern Cities**

Integration of Transport Modes

Sustainable Transport Hierarchy

- Walking, cycling, public trans., private vehicle
- ### Rail/Tram & Bike

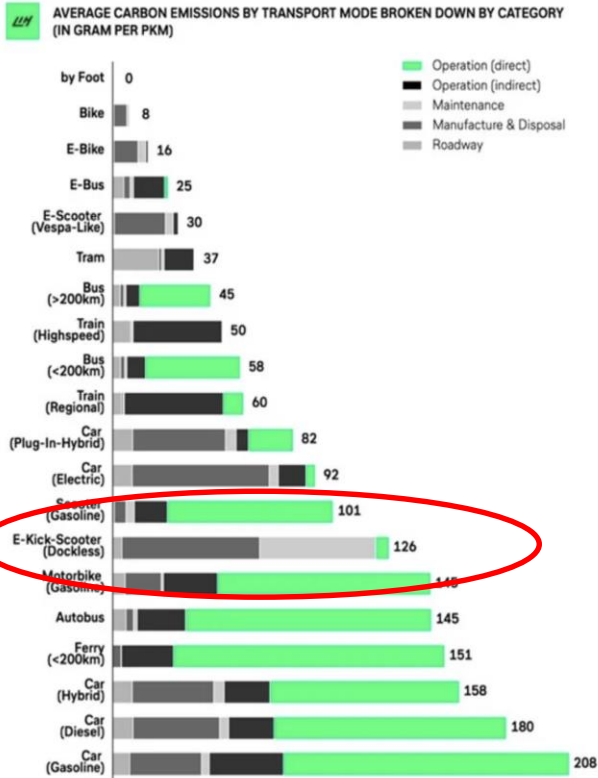
- Door to Door (agent-based modelling)
- More & safer bike parking
- Consistent bike carriage policies

Micro-mobility

- E-bikes impact on range & terrain
- Personal e-scooters – regularising is a positive
- Shared e-scooter schemes - Need to trial, investigate impact on modal shift, energy/emissions, data sharing, MaaS, etc.

Public Space

- Space given to other modes/initiatives in past
- Future considerations – impact on modal shift, prevent privatisation of public space, compact development, social & economic needs, etc.



Source: Lufhansa Innovation Hub



Engagement & Collaboration

- Plan - Do/Trial - Review – Improve Model - with cross-departmental, multi-disciplinary approach – ‘Trialling to Succeed’
- Public & stakeholder engagement before, during and after planned changes
- Community engagement and collaboration – children, women, older people, disability groups, residents, businesses, NGOs, etc.
- Public health stakeholders – air quality, noise, physical activity, etc.
- Academic engagement on research & evidence-based approach on appropriate interventions for towns & villages / mobility – common framework for planning & evaluation
- University programmes & students engaging with Councils & others on planning & implementing mobility & public realm projects
- DLRCC currently engaging TU Dublin (Covid mobility interventions) & TCD (sustainable mobility) & seeking to engage with other third level institutions, research bodies & Government/state agencies

Engagement & Collaboration

DLR ADAPTIVE BUILD MODEL

Implementation model for engagement, design and build of public realm and mobility works that seeks to allow fast paced delivery in challenging times whilst ensuring community involvement throughout the design and build process.



EVALUATE AND ENGAGE

The first stage of the process involves existing data analysis, site analysis, network mapping, community engagement to establish wishes and issues.

REVIEW AND IMPROVE

The final stage of the process will analyse the usage and effects of the design intervention and make improvements and changes on the ground.



DESIGNS INSTALLED

The next stage of the process sees designs being realised on the ground. These can be installed in a temporary way or as a trial. Data gathering on usage will occur.

Final Thoughts

- Context – Safety, Climate, Environment, Public Health, Economy + Mobility/Liveability
- Active mobility networks – safe, cohesive, direct, comfortable & attractive – but will take time (structures, resources, training, standards to be put in place)
- Meaningful & ongoing engagement between public bodies, local community, businesses, elected representatives & other stakeholders is critical
- Multi-disciplinary approach – engineers, planners, architects, community engagement / communications / economics professionals, etc.
- Dynamic & adaptive engagement/delivery models are an option – plan, do/trial, review, improve - before, during & after planned changes
- Communicate & Explain – need to proactively communicate to explain & promote changes, get feedback, counter misleading information & embrace modern communication tools
- Ongoing review & evaluation, taking an evidence-based approach – common framework, learn lessons, inform future projects, scalable, etc.
- **and might**
'That worked in x place, ~~but won't~~ work here'

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Thank You!

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