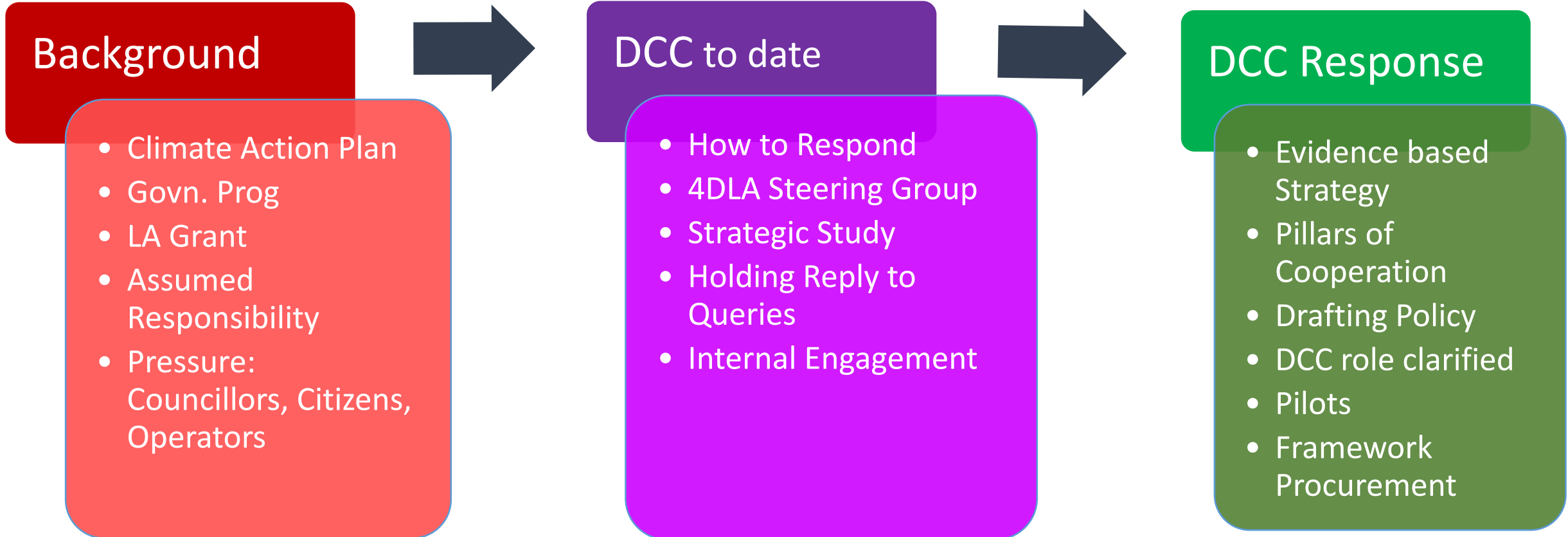


Electric Vehicle Charge Point Strategy

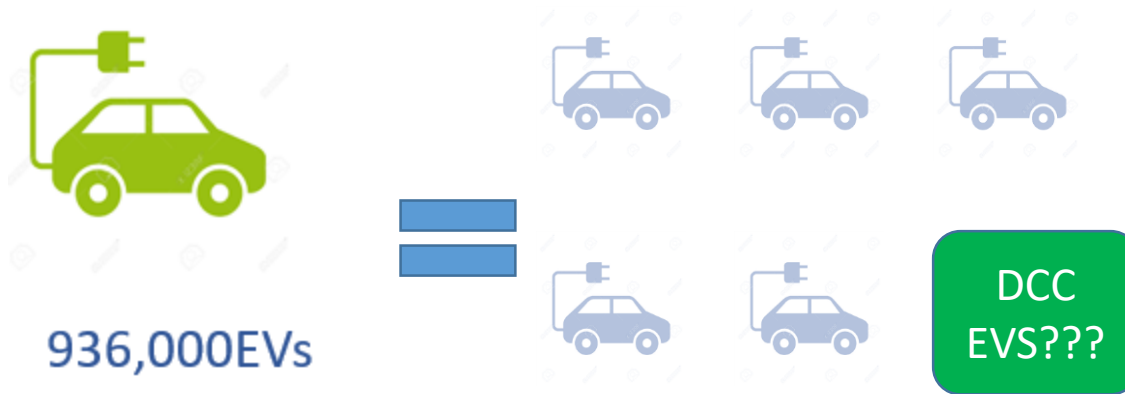
Towards an Implementation Plan for Dublin City

Cormac Healy, 13th July 2022

DCC So Far...



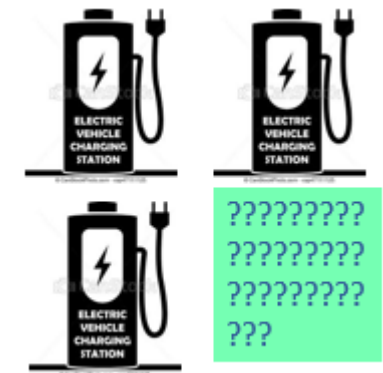
Solving the Equation for DCC?



DCC
EVS???



*Type of charger ± Grid Capacity
± Location ± Business Model*
LA Resources/Role



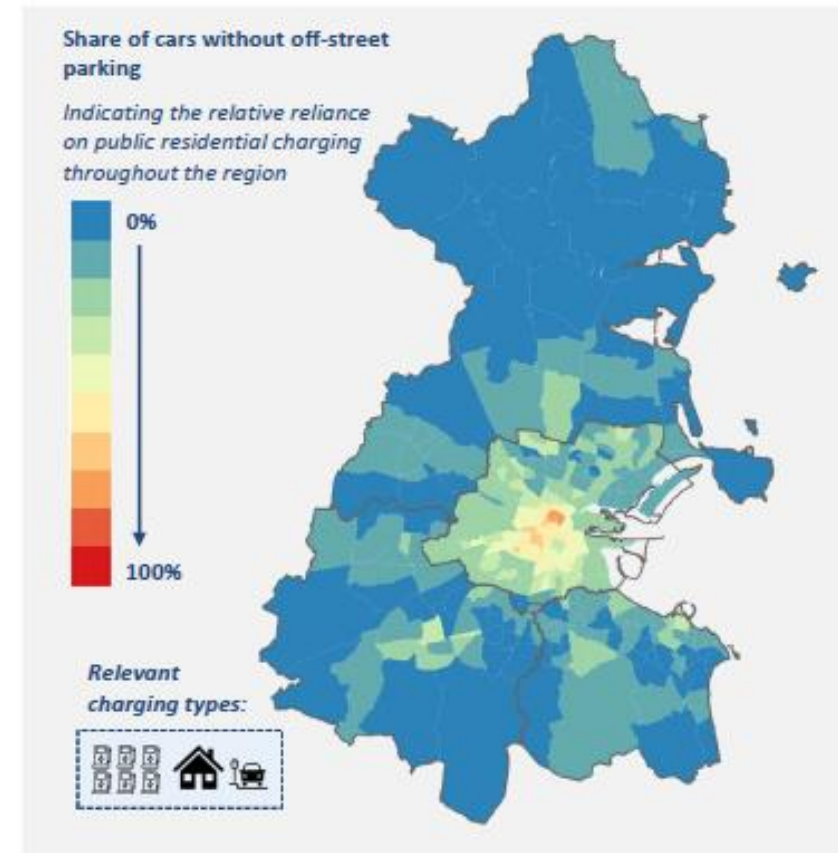
Enabling & Facilitating

- 
- Customer Centric
 - Common Standards
 - Ease of Interoperability
 - Cooperation between DCC & PBs
 - Involvement of key Stakeholders
 - Public Funding to help regulate
 - Planning Functions
 - Development Functions
 - City Development Plan

Strategic Considerations for DCC

- How many EVs (uptake)
- Share in Dublin City
- How many need Public charging
- Variance by & within DCC areas
- Grid capacity required
- Best areas to deploy
- Business models
- How many EVCPs (which types)
- Who provides/role of DCC
- Value for money

Example of the geospatial analysis outputs generated as part of the strategy



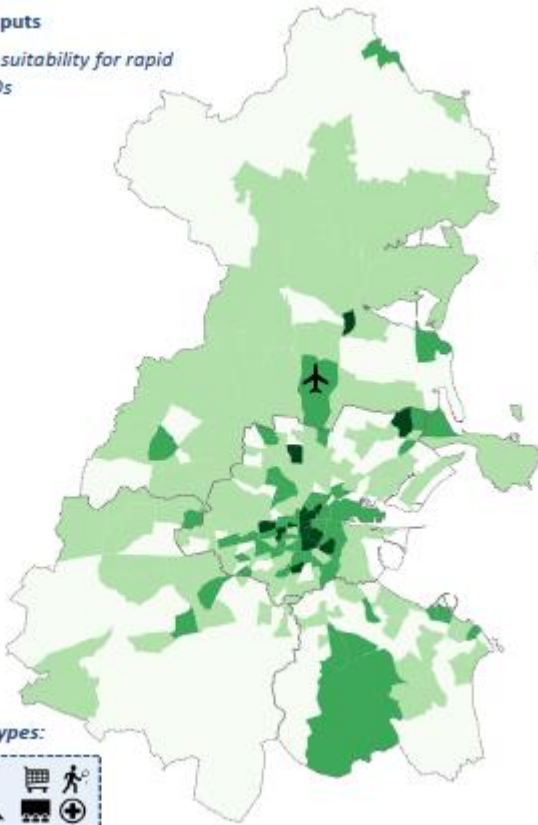
DCC Public Charging Needs-2030



Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council

Rapid Hub Index outputs

Showing the relative suitability for rapid charging between EDs



Relevant charging types:

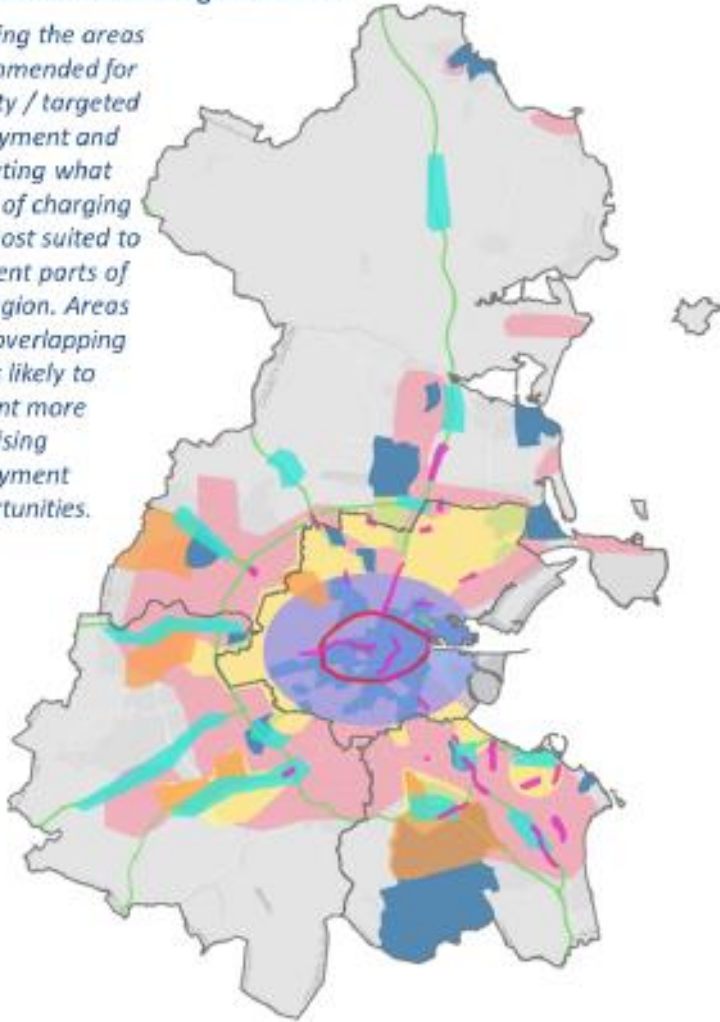


- 140k EVs by 2030, 35k reliant on public charging (70% charge at home)
- Rapid hub charging is recommended
- 500 to 2430 (public) EVCPs, **depending** how many rapid hubs
- 50 well located 10-charger hubs meets all residential demand
- €42m by 2030, (€24m public funding-less if just Rapid hubs)
- For EV uptake, 2,500/166 destination/en-route EVCPs-private
- Detailed geospatial analysis, targets key user groups
- Strategy supports wider mobility ambitions

Key Strategy Recommendations

Overarching recommended deployment approach for Dublin region to 2030

Showing the areas recommended for priority / targeted deployment and indicating what types of charging are most suited to different parts of the region. Areas with overlapping layers likely to present more promising deployment opportunities.



- DCC has a key strategic and enabling role but not with infrastructure delivery or operation
- Strategic approach is aligned with best practice in more developed EV markets
- Intern'l evidence highlights the benefits of Councils planning and coordinating deployment
- Recommendation that the DCC & DLAs collaborate & play a central strategic role in enabling & developing a region-wide charging network

Key Stakeholders/Partners



Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council

Car OEMs

Government Organisations (primary)

Forecourts/car parks

EV

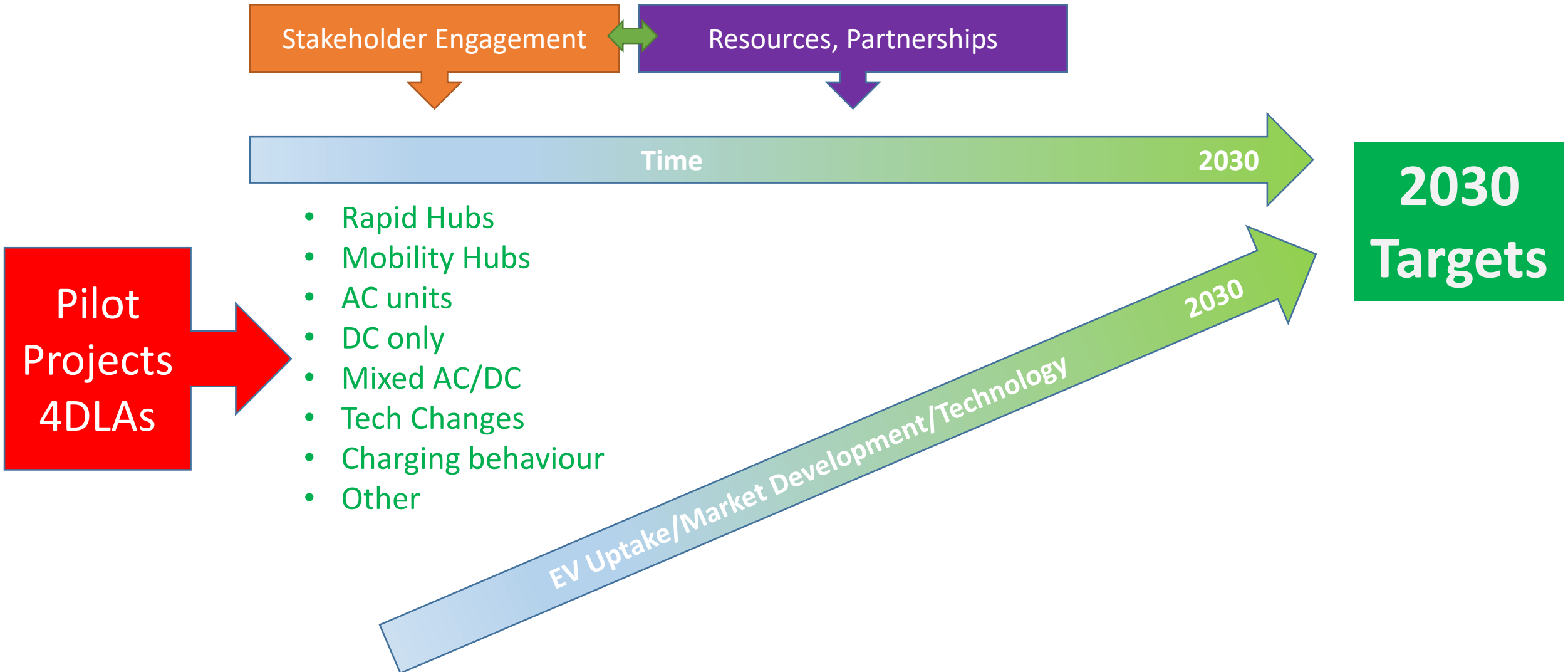
Owners

Car share/car hire/ taxi

CPOS

Government Organisations (secondary)

Implementation



Questions?



cormac.healy@dublincity.ie

...Thank You!

