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Tourism and Sport

# Planning Land Use and Transport – Outlook 2040

Claire Finn and Tomás Campbell  
Department of Transport, Tourism and Sport

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# *Presentation Outline*

1. What is PLUTO 2040?
2. Identifying Challenges and Constraints
3. Current Status, Implementation and Next Steps
4. Conclusion



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# What is PLUTO 2040?



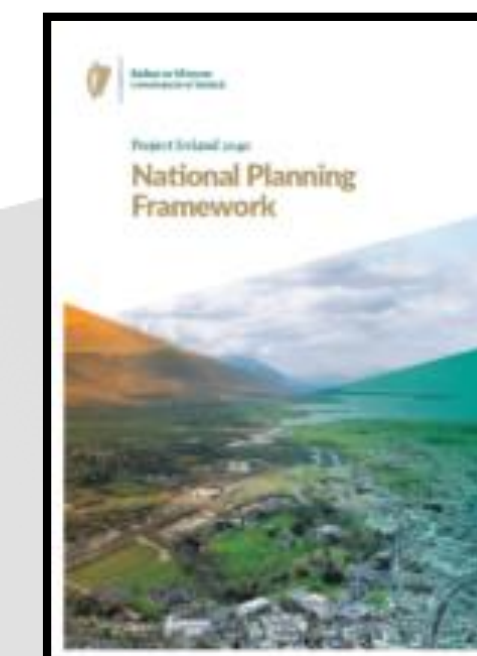
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# What is *PLUTO* 2040?

- **P**lanning **L**and **U**se and **T**ransport – **O**utlook 2040
- Intended to sit alongside NPF and NDP as DTTAS's contribution to Project Ireland 2040
- Initiated October 2017 when draft National Planning Framework went out for public consultation
- Overseen by a steering group comprised of senior officials from DTTAS, DHPLG, TII and the NTA



SFILT (2015)

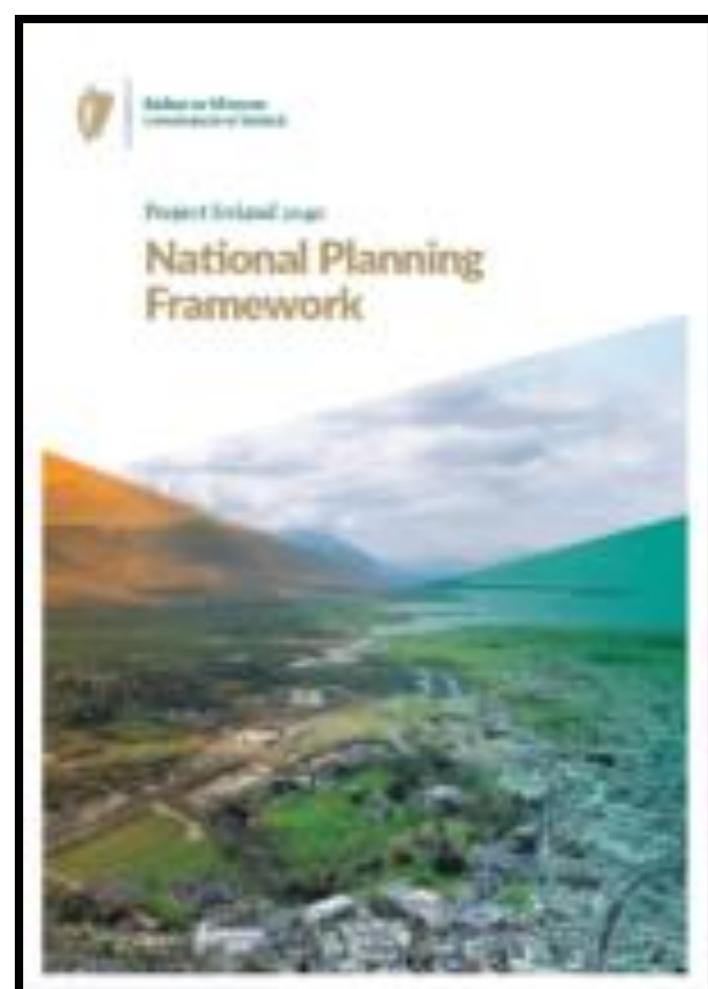


NPF (2018)

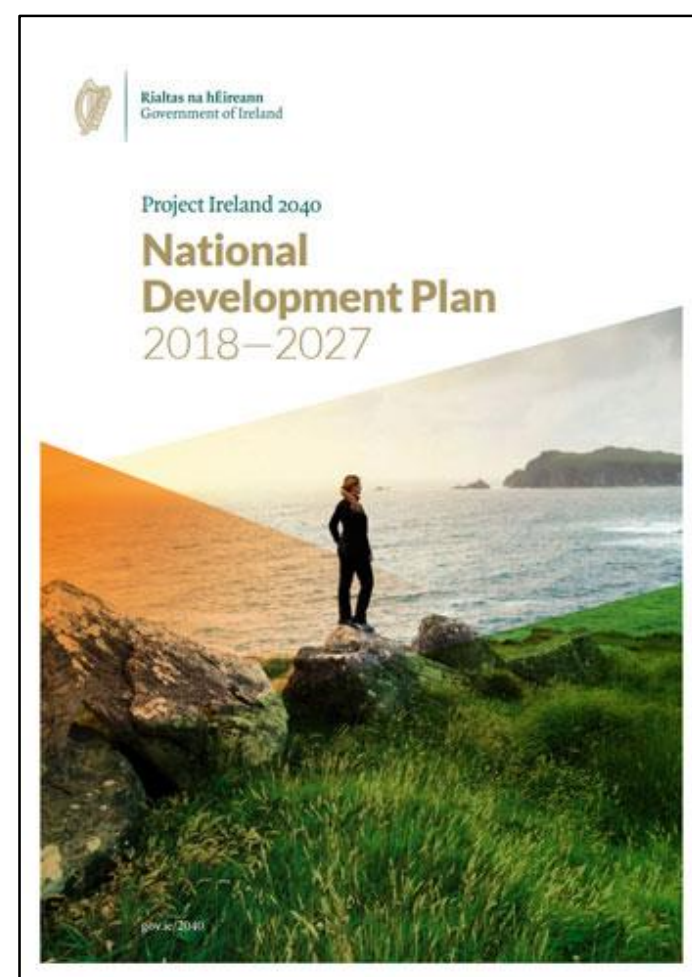
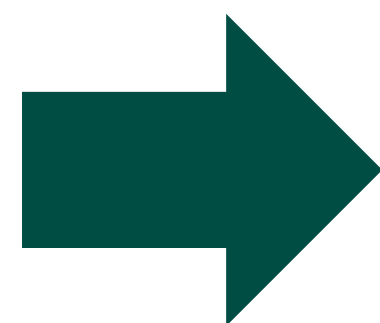


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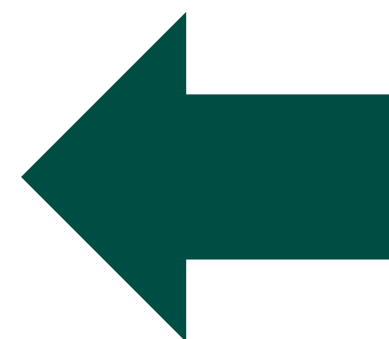
# *PLUTO 2040 in context*



NPF  
(2018)



NDP  
(2018)

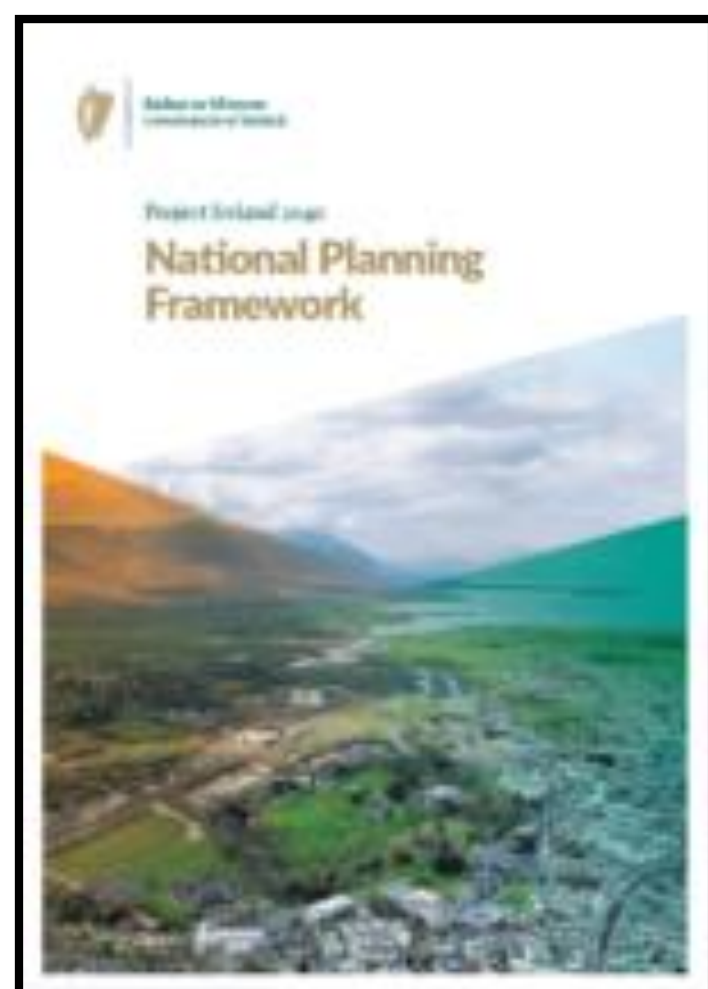


SFILT  
(2015)

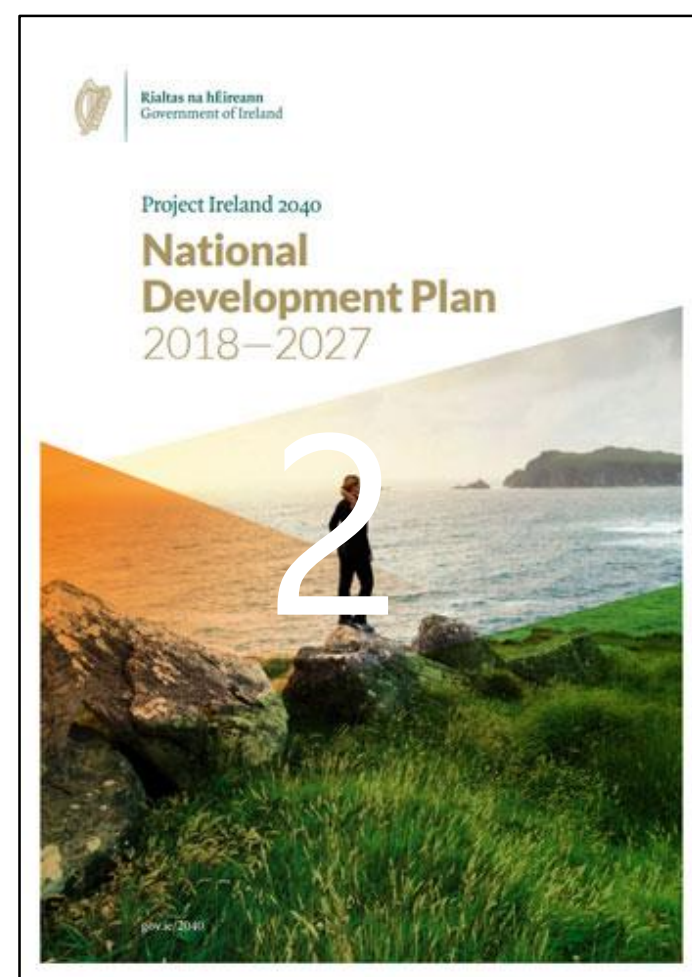
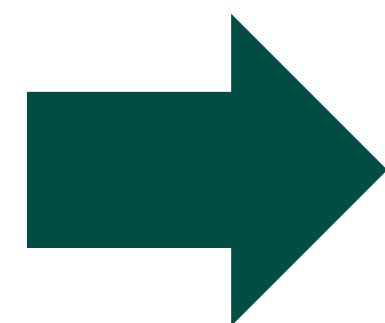


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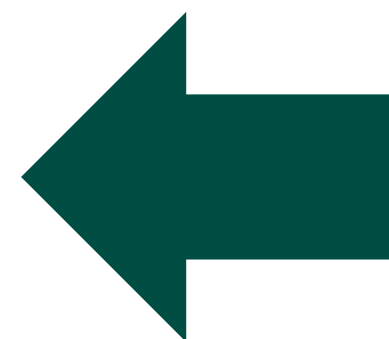
# *PLUTO 2040 in context*



NPF  
(2018)



NDP 2  
(2027)



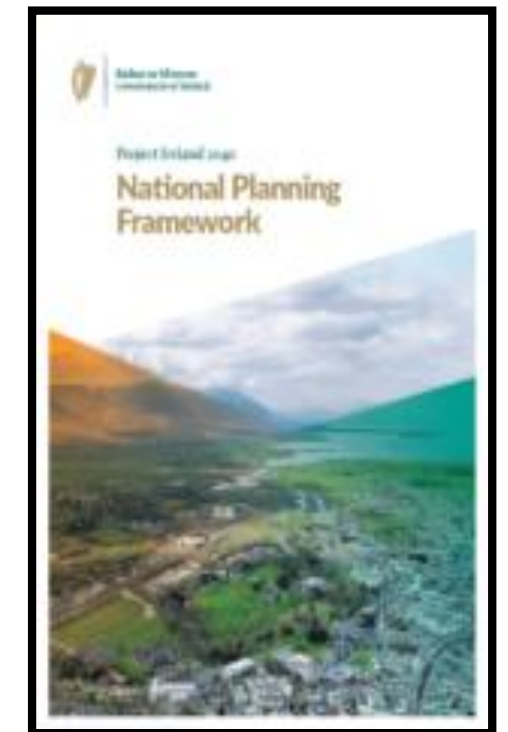
PLUTO  
(2020)



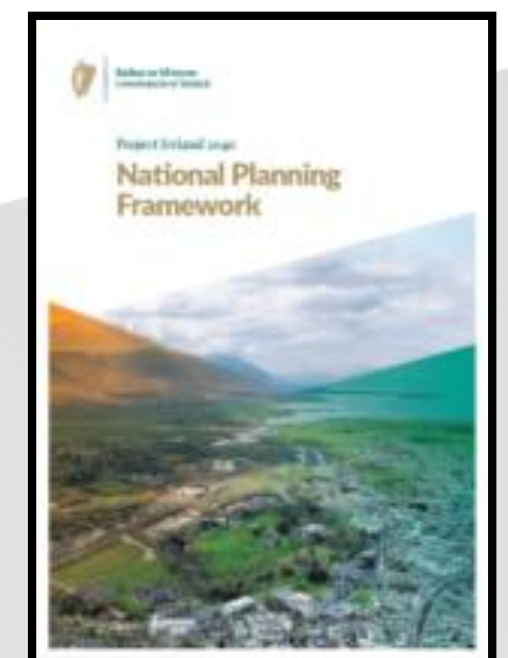
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# *What will PLUTO do?*

- PLUTO is a long-term framework to support the prioritisation of transport interventions and investment to enable the delivery of Project Ireland 2040
- **PLUTO will not identify specific projects or schemes** but it will.....



NDP (2018)



NPF (2018)

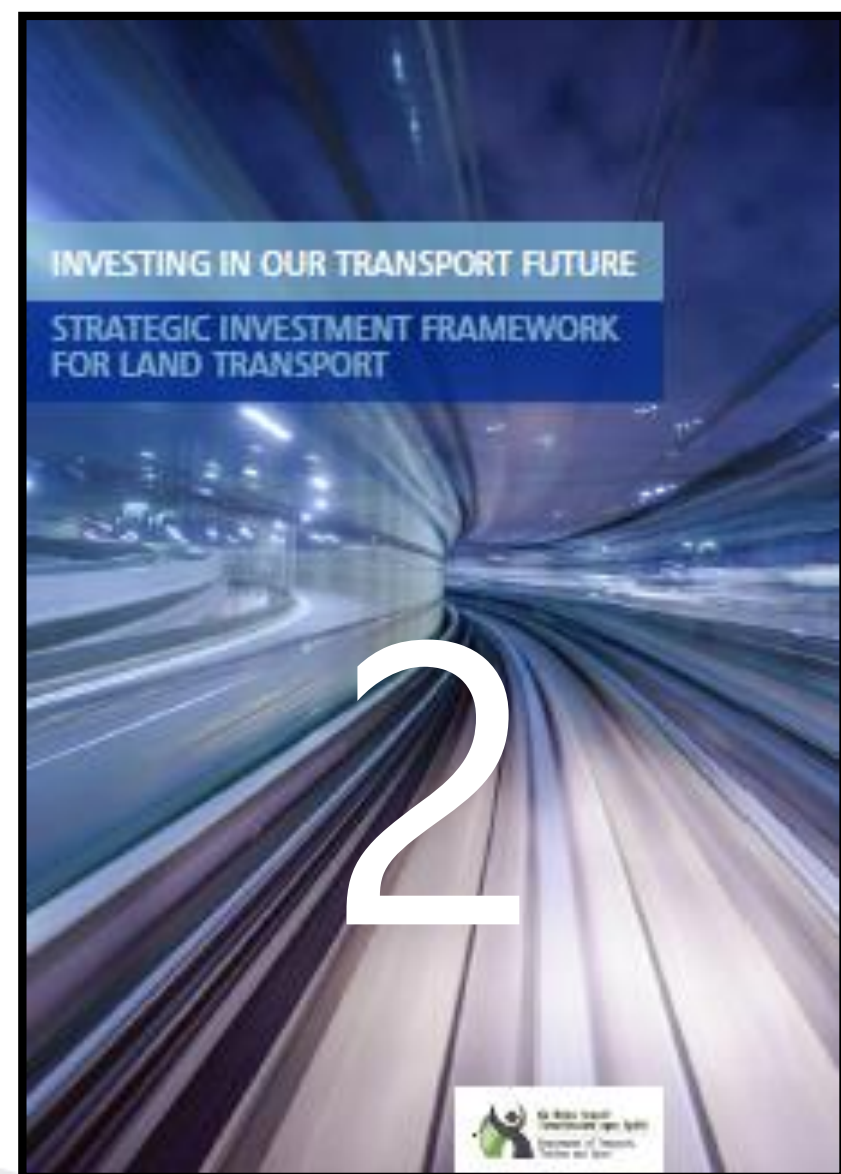


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# *What will PLUTO do?*

PLUTO will:

- Provide the strategic framework to support the prioritisation of future investment / intervention
- Identify challenges & constraints where intervention may be required
- Set out how future transport projects should demonstrate their alignment with PLUTO



PLUTO  
(2020)





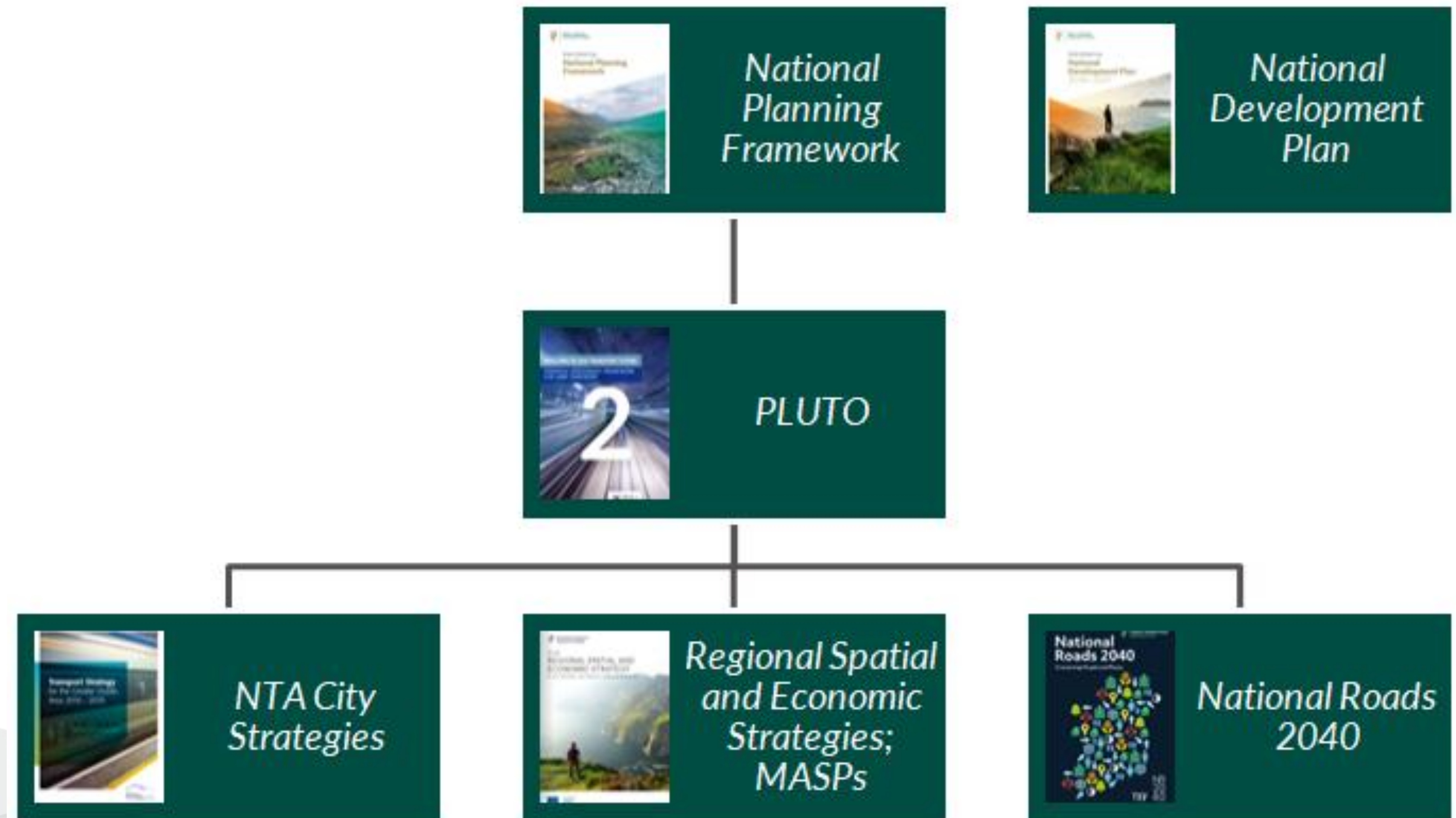
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# Where does *PLUTO* sit?

*Project Ireland 2040 is the Government's vision for development in the decades ahead...*

*...PLUTO aims to set out a transport intervention framework consistent with this vision...*

*...individual projects and programmes must align with strategic objectives*





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# Enabling Project Ireland

PLUTO starts with the ten Project Ireland 2040 NSOs...

## Project Ireland 2040 National Strategic Outcomes

Compact Growth

Enhanced Regional Accessibility

Strengthened Rural Economies and  
Communities

Sustainable Mobility

A Strong Economy Supported by Enterprise,  
Innovation and Skills

High-Quality International Connectivity

Enhanced Amenity and Heritage

Transition to a Low Carbon and Climate  
Resilient Society

Sustainable Management of Water, Waste  
and other Environmental Resources

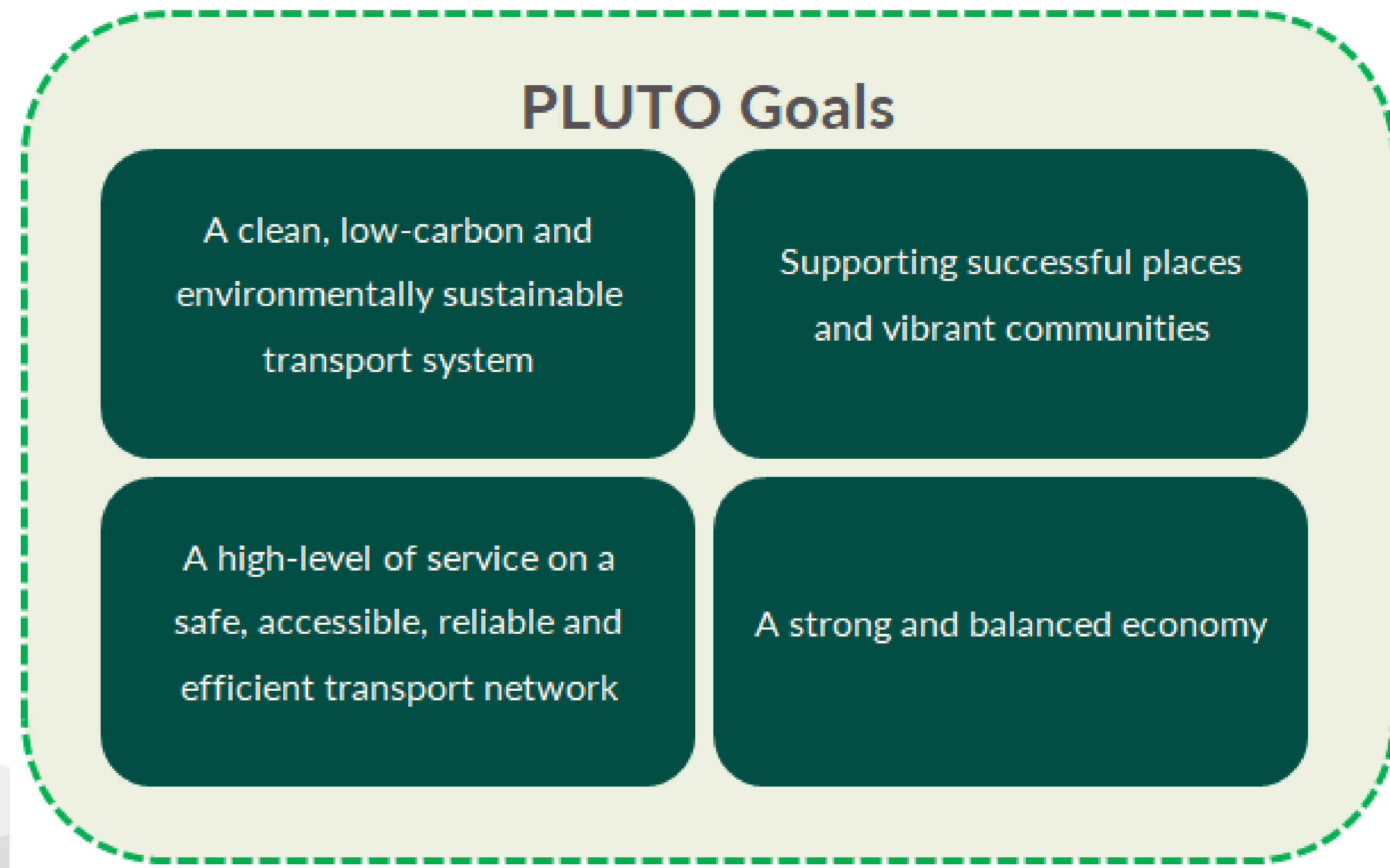
Access to Quality Childcare, Education and  
Health Services



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# *PLUTO Goals*

...and translates them into our PLUTO Goals





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# *Work Streams*

**To identify the challenges and constraints, supporting analysis was divided into three broad packages:**

- **Background and context analysis**
  1. National Planning Framework
  2. Long-term Transport Investment
  3. Climate Change
  4. Brexit
  5. Technology
- **Current network analysis**
  6. Steady State Update
  7. Steady State Expenditure Principles
  8. International Benchmarking
  9. Climate Adaptation
- **Future network analysis**
  10. Compact Growth
  11. Interurban Connectivity
  12. Rural and Regional Accessibility
  13. Supporting International Connectivity



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# *What will PLUTO do?*

## Strategic Investment Framework for Land Transport (2015)



SIFLT  
Priority 1

- Achieve steady state maintenance

SIFLT  
Priority 2

- Address urban congestion

SIFLT  
Priority 3

- Maximise the contribution of the land transport network to our national development



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# *What is PLUTO?*

PLUTO Goals



Constraints



PLUTO Priorities



Implementation

- Project Ireland 2040 has also defined where we want people to live and work in the decades ahead, and transport has a key enabling role to play.
- PLUTO's Goals are what we want our investment in the land transport network to achieve.
- Detailed analysis, undertaken as part of PLUTO, identifies the challenges and constraints to delivering on this vision.
- It enables the identification of key priorities which will require intervention to address those constraints



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# Identifying Challenges and Constraints



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# *Background and Context Analysis*

National Planning Framework and its projections around population and settlement patterns are at the heart of PLUTO

PLUTO must be resilient to the threats posed by climate change and Brexit, and flexible to accommodate opportunities afforded by new tech

Need to be realistic about the level of resourcing for transport sector. 1.36% of GNI\* is the long-run average but NDP investment is well below this



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# *Current Network Analysis*

Average annual cost of maintaining the land transport network is €1.7bn, €1.3bn of which needs to be met by DTTAS

Previous underinvestment has caused a decline in Ireland's global transport infrastructure ranking

If funding is constrained, need to prioritise key strategic elements of the network for maintenance

Future steady state costs will also need to account for adaptation, to make the network more resilient to climate change



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# Future Network Analysis





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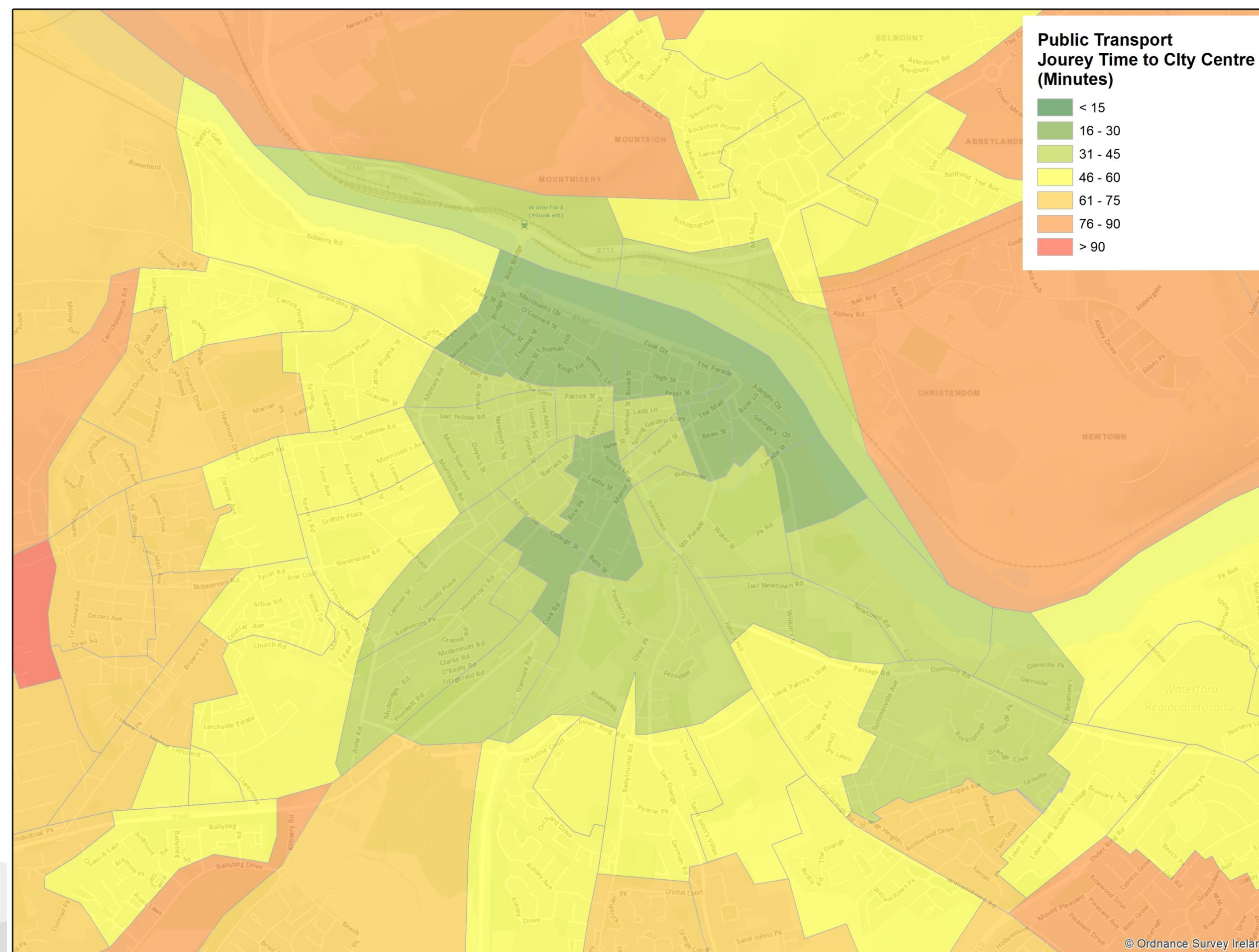
# *Future Network Analysis*

- Four thematic areas:
  1. Urban – particularly the five cities
  2. Interurban – the road and rail links connecting cities and key settlements
  3. Rural – predominantly the regional and local road network
  4. International connectivity – land access to ports and airports
- By combining NPF population and settlement projections to 2040 with NDP investment to 2027, possible to identify areas where additional investment may be necessary between 2027 and 2040.
- Where potential issues are identified, infrastructure investment is only one possible solution
- Modelling helps to define the land transport network necessary to support Project Ireland 2040, but future intervention/investment decisions will be taken with reference to PLUTO Goals



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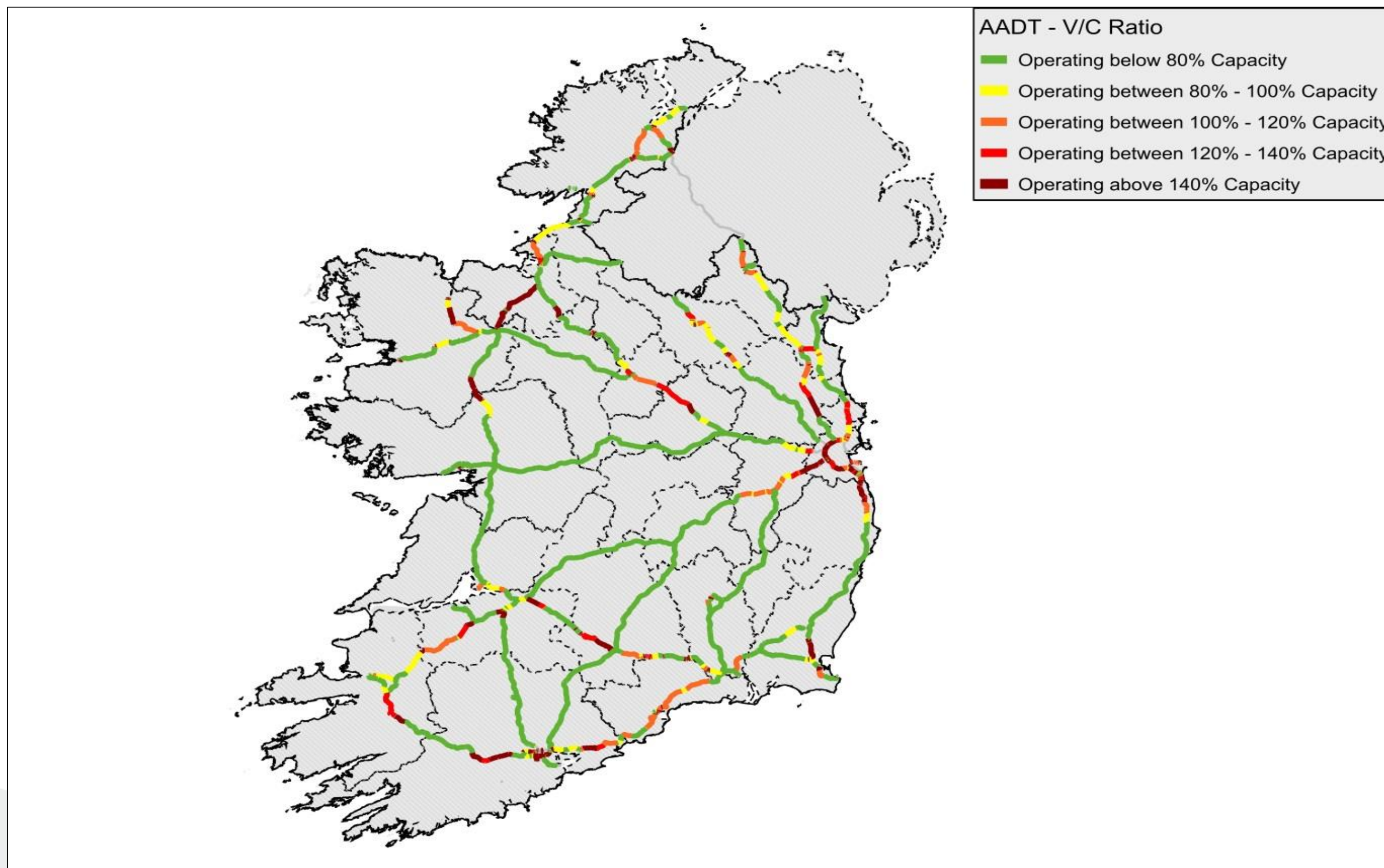
# Future Network Analysis





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# Future Network Analysis





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# *Challenges and Constraints*

- From the 13 PLUTO background papers, roughly 20 key challenges and constraints have been identified (e.g., realising modal shift, maintaining existing assets in a safe and adequate condition, guaranteeing connectivity in isolated, rural communities)
- Using this list, we can determine if the three SFILT investment priorities remain valid and put forward new ones to help deliver Project Ireland 2040



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# Current Status, Implementation and Next Steps





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## *Current Status*

- PLUTO's Goals aim to support the delivery of Project Ireland 2040's National Strategic Outcomes
- Analysis has identified the challenges and constraints, and will underpin the formulation of our intervention priorities.
- Work on implementation continues, key questions under consideration include...



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# *Implementation*

- How best can PLUTO help the Department select priority projects each time there's a capital plan or mid-term review? (and €45bn not specifically allocated in the second half of the NDP).
- What are the other implementation considerations?
  - How best to sequence investment?
  - How to manage the relationship with other Government departments – especially Housing, Planning and Local Government
  - What are PLUTO's follow-up actions?
- How will future transport projects demonstrate their alignment with PLUTO and what new structures will be put in place in an updated Common Appraisal Framework?



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## *Next Steps*

- Ambition is to launch public consultation on PLUTO report, alongside the 13 background papers, before the end of the year
- Publication of final report to follow in early 2020
- Work will then begin on updating the Common Appraisal Framework and other PLUTO actions



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# Conclusion



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# *Conclusion*

- PLUTO is a long-term framework for transport investment that supports the delivery of Project Ireland 2040
- Background analysis has identified key challenges and constraints that will need to be addressed to enable this vision
- From this, intervention/investment priorities are being developed
- Future transport projects will have to demonstrate their alignment with PLUTO and new structures will be put in place in an updated Common Appraisal Framework
- Public consultation to launch in the coming months and PLUTO to be in place from Q1 2020.



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Thank you!

Questions?

[clairefinn@dtas.gov.ie](mailto:clairefinn@dtas.gov.ie)

[tomascampbell@dtas.gov.ie](mailto:tomascampbell@dtas.gov.ie)