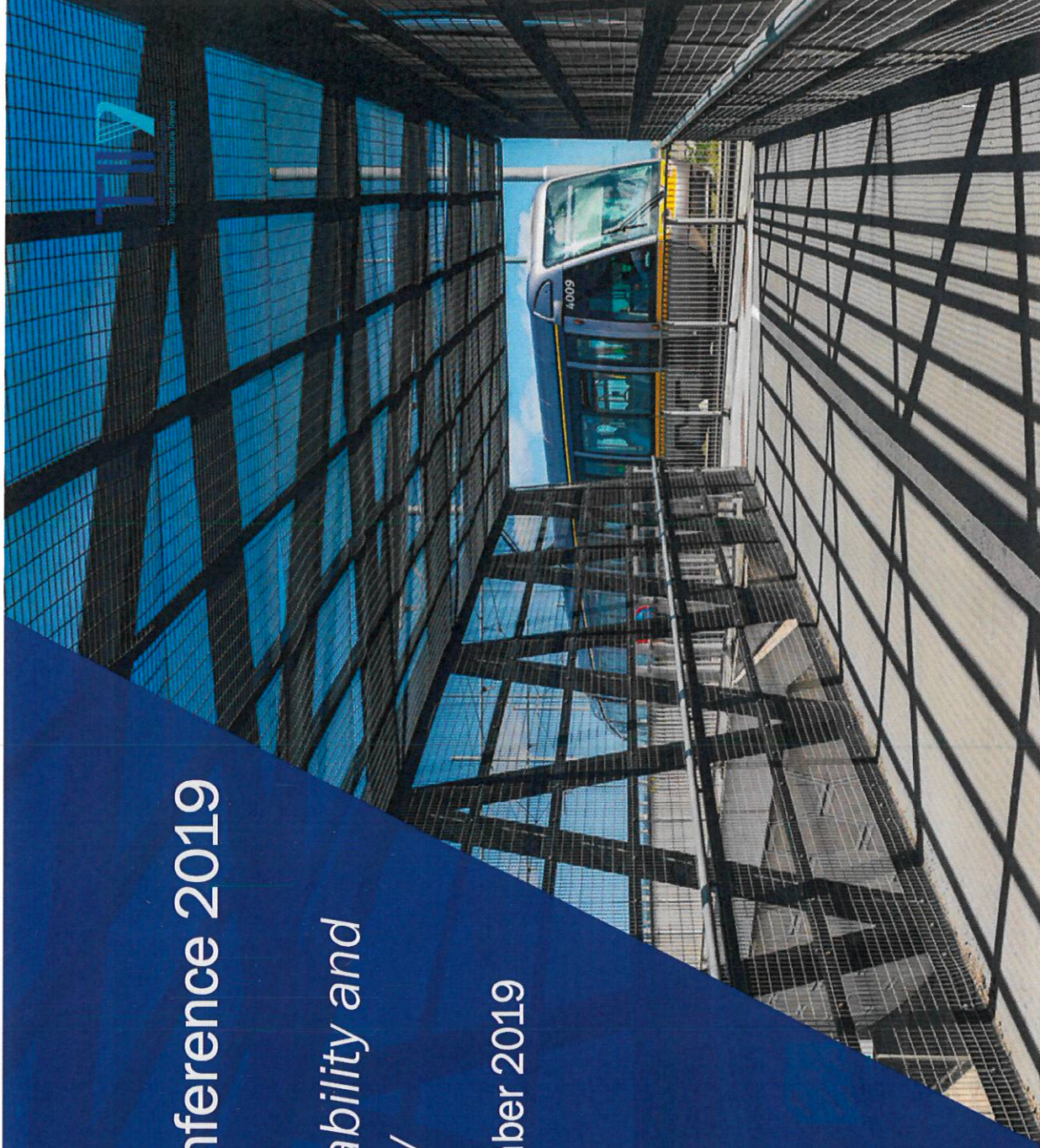


TII National Roads Conference 2019

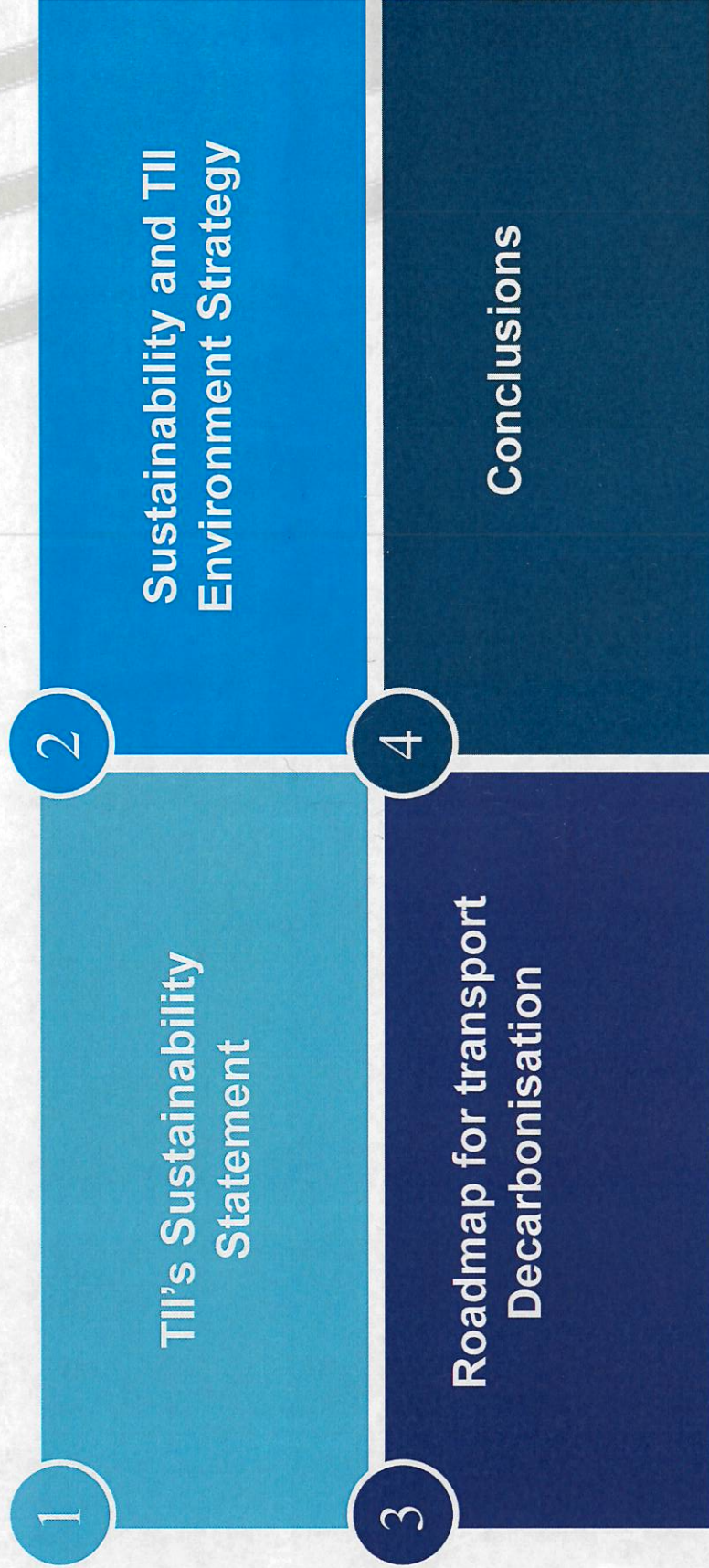
*TII Approach to Sustainability and
TII Environment Strategy*

Thursday/Friday 26/27th September 2019

Dr Vincent O'Malley
Head of Environmental Policy and
Compliance Section



Overview



SUSTAINABLE DEVELOPMENT GOALS

<p>1 NO POVERTY</p>	<p>2 ZERO HUNGER</p>	<p>3 GOOD HEALTH AND WELL-BEING</p>	<p>4 QUALITY EDUCATION</p>	<p>5 GENDER EQUALITY</p>	<p>6 CLEAN WATER AND SANITATION</p>
<p>7 AFFORDABLE AND CLEAN ENERGY</p>	<p>8 DECENT WORK AND ECONOMIC GROWTH</p>	<p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	<p>10 REDUCED INEQUALITIES</p>	<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>
<p>13 CLIMATE ACTION</p>	<p>14 LIFE BELOW WATER</p>	<p>15 LIFE ON LAND</p>	<p>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p>	<p>17 PARTNERSHIPS FOR THE GOALS</p>	<p>SUSTAINABLE DEVELOPMENT GOALS</p>

SDG National Implementation Plan 2018-2020



**Commitment to ensure that all future
Government policy will align with and will
be coherent with the UN SDGs**



TII's 2018 Sustainability Statement



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Build resilient infrastructure, addressing critical Infrastructure

11 SUSTAINABLE CITIES AND COMMUNITIES

Make cities inclusive, safe, resilient and sustainable - Transportation

13 CLIMATE ACTION

Climate Change

TRANSPORT INFRASTRUCTURE IRELAND SUSTAINABILITY STATEMENT



Transport Infrastructure Ireland's (TII's) mission statement is to provide high quality transport infrastructure and services, delivering a better quality of life and supporting economic growth.

TII will strive to incorporate sustainability principles into the development and operation of the road and light rail networks; therefore, contributing to social well-being, supporting economic efficiency, and protecting, restoring and enhancing environmental systems for future generations.

Through the following strategic goals, TII is committed to embedding sustainability objectives into our core activities.

Corporate Leadership:

- ➔ Ensure that consideration of sustainability principles are embedded at all levels of the decision-making process
- ➔ Promote the delivery of transport solutions that support land use planning policy to facilitate appropriate urban densities through engagement with our stakeholders and local authority partners

- ➔ Create and maintain transport links to enhance connectivity between rural and urban communities to support the development of the wider economy
- ➔ Maintain functionality, efficiency and safety of the national road and light rail network to accommodate sustainable land use patterns
- ➔ Explore sustainable funding mechanisms to support the delivery of road and light rail projects while preserving our network assets

Strategic Management:

- ➔ Use research, knowledge and experience to provide guidance and standards for industry to ensure common alignment of our sustainability goals and to enhance collaboration in the provision of road and light rail networks

- ➔ Deliver innovation in road and light rail network design, construction and maintenance, including the reduction and reuse of natural resources, protection of ecological habitats and green procurement
- ➔ Increase the use of information technology and new thinking to support innovation, optimise collaboration and refine processes; aiding and enhancing the TII experience when interfacing with TII
- ➔ Achieve efficiency gains in the operational running of our network systems, particularly in the use of natural resources and energy efficiency
- ➔ Continue to adapt Ireland's national road and light rail networks to enhance resilience to climate change

Stakeholder & Public Engagement:

- ➔ Demonstrate leadership and commitment to sustainability through guidance to staff and supply chain partners
- ➔ Undertake dialogue with stakeholders and the wider community through the planning process

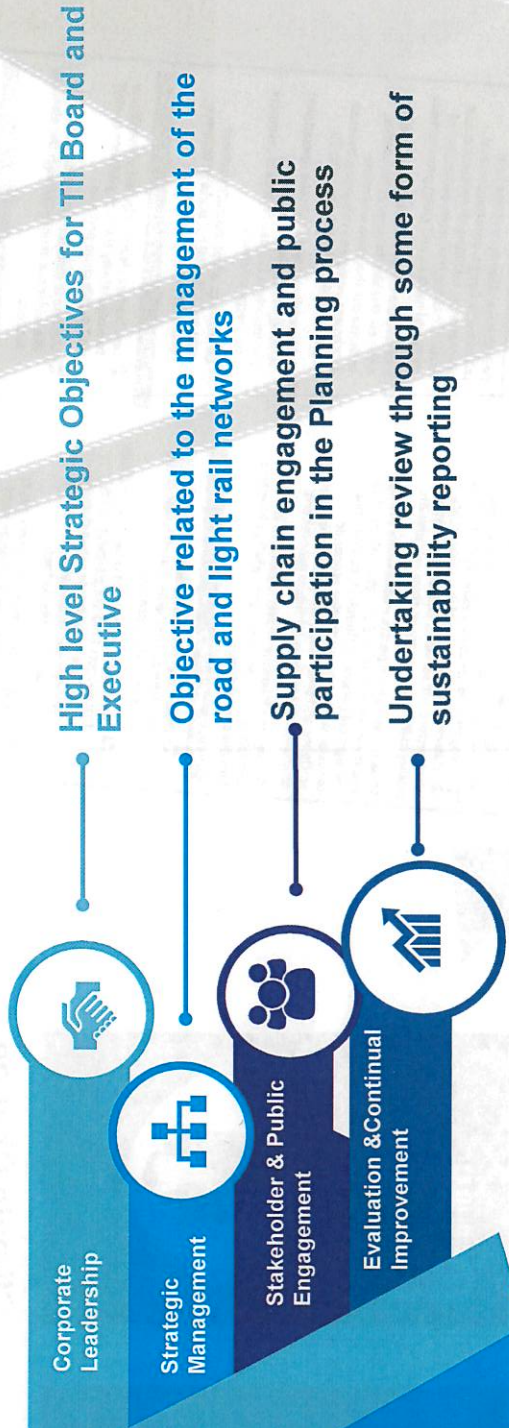
Evaluation & Continual Improvement:

- ➔ Periodically evaluate the effectiveness of our sustainability approach in the delivery of our core activities

Supporting these commitments, TII undertakes to prepare and deliver a sustainability plan, in order to integrate sustainability principles into our culture, our processes and our projects.

Michael Bolan
Chief Executive Officer
31 January 2018

TII's Sustainability Statement, 2018



High level Strategic Objectives for TII Board and Executive

Objective related to the management of the road and light rail networks

Supply chain engagement and public participation in the Planning process


Undertaking review through some form of sustainability reporting

Sustainability Statement Economic, Social & Environmental Actions

11
Sec



TII's Existing Framework



TRANSNATIONAL INFRASTRUCTURE IRELAND
SUSTAINABILITY STATEMENT

TRANSNATIONAL INFRASTRUCTURE IRELAND
SUSTAINABILITY STATEMENT

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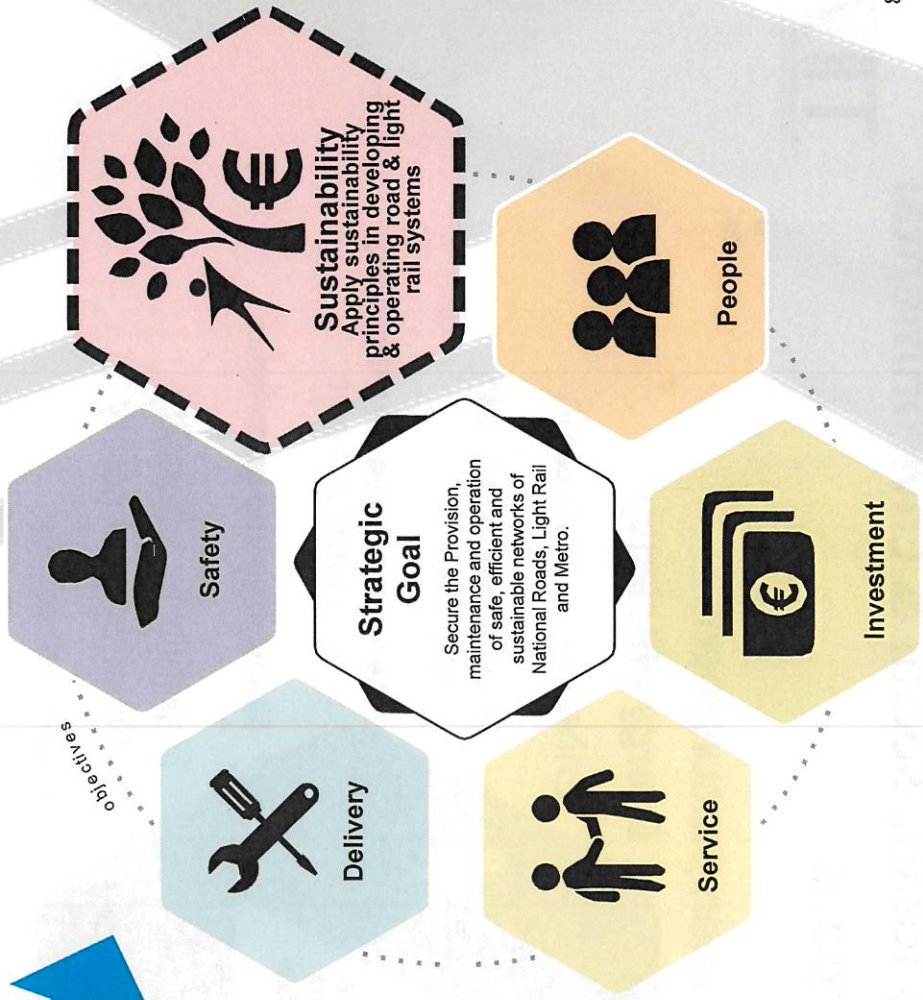
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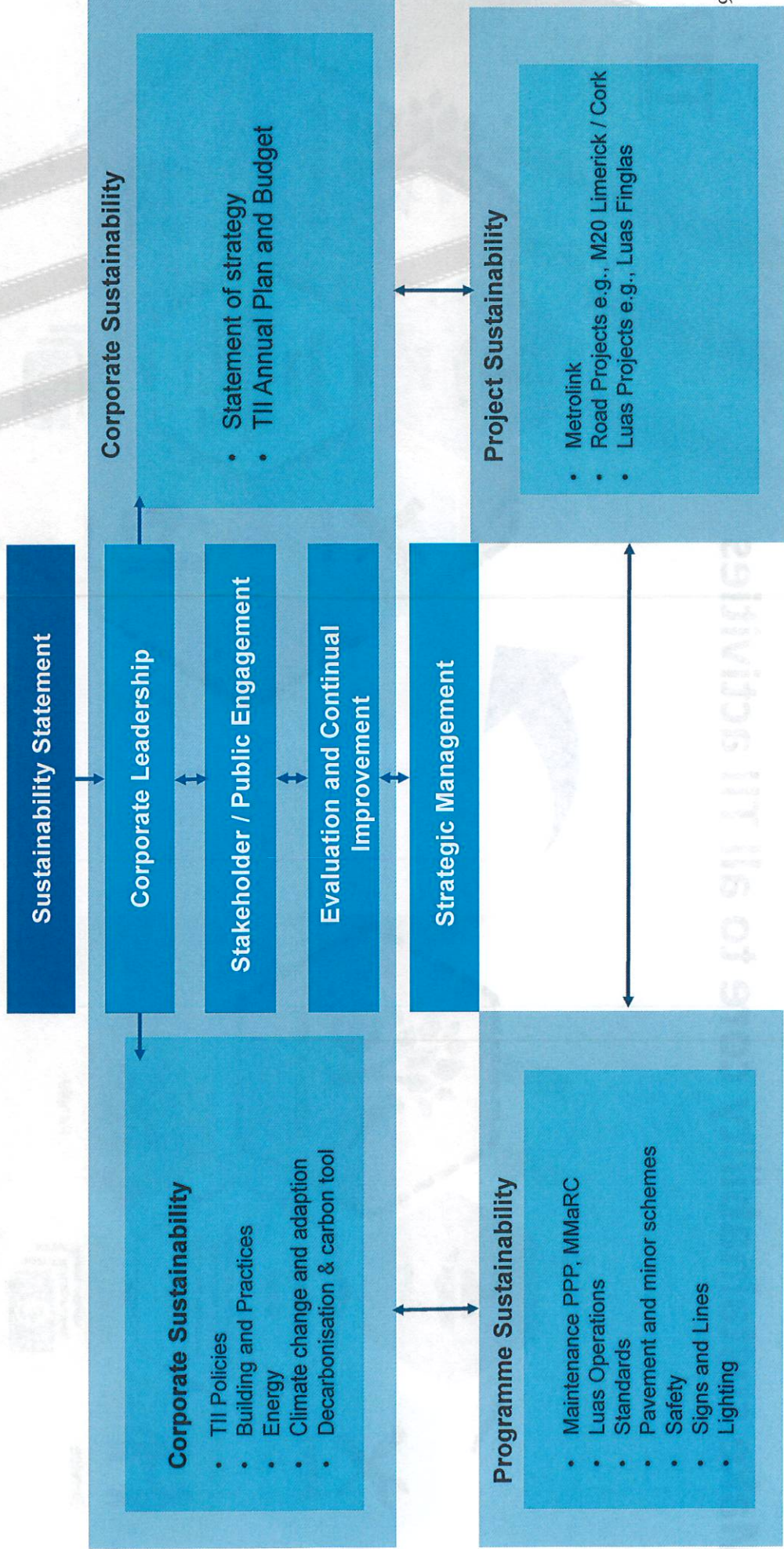
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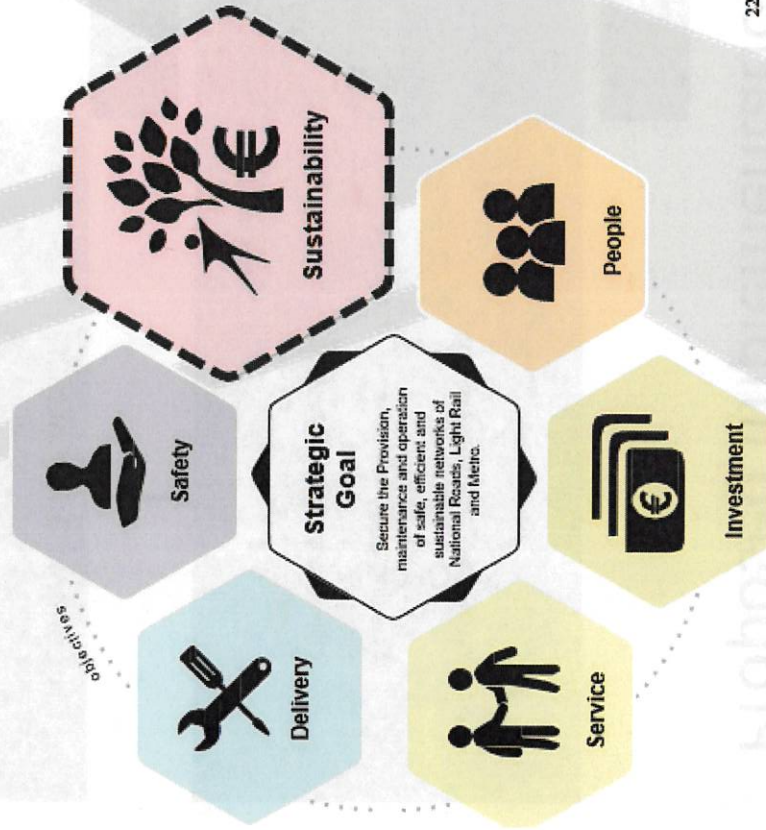
Chief Executive Officer
31 January 2018



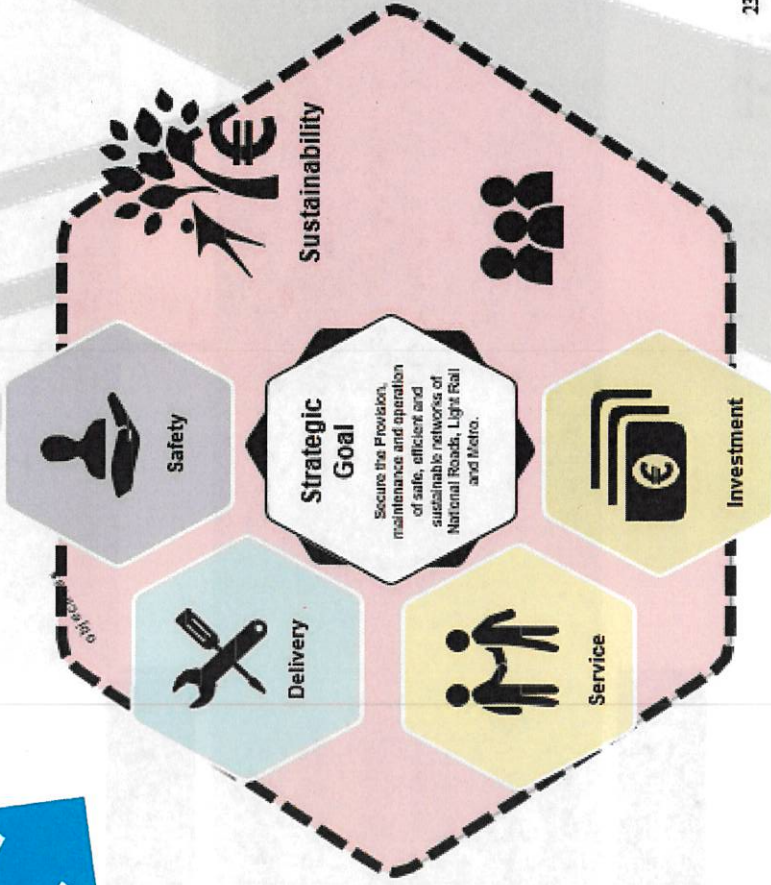
Proposed Implementation Plan



Make sustainability core to all TII activities



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TII Environment Strategy & Sustainability



Transport Infrastructure Ireland's
Summary of Environmental Strategy



Strategy for Adapting
to Climate Change on
Ireland's Light Rail and
National Road Network



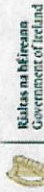
TII Carbon Assessment Tool

Go to Homepage



www.tii/environment

Environmental Policy and Regulatory Compliance



Project Ireland 2040

National Planning Framework



STATUTORY INSTRUMENTS

S.I. No. 279 of 2019

EUROPEAN UNION (ROADS ACT 1993) (ENVIRONMENTAL IMPACT ASSESSMENT) (AMENDMENT) REGULATIONS 2019



- 2014 EIA Directive is more about Sustainability Impact Assessment rather than Environmental Impact Assessment
- TII as a planning enforcement authority, in respect of national roads (which require EIA) proposed by road authorities.
- TII is responsible for ensuring that road authorities comply with ABP conditions

Future Mobility Trends and Challenges

Resilience and
Extreme Weather
Events

Seamless Mobility

Regional Connectivity

Congestion Cost

Decarbonisation

Circular Economy

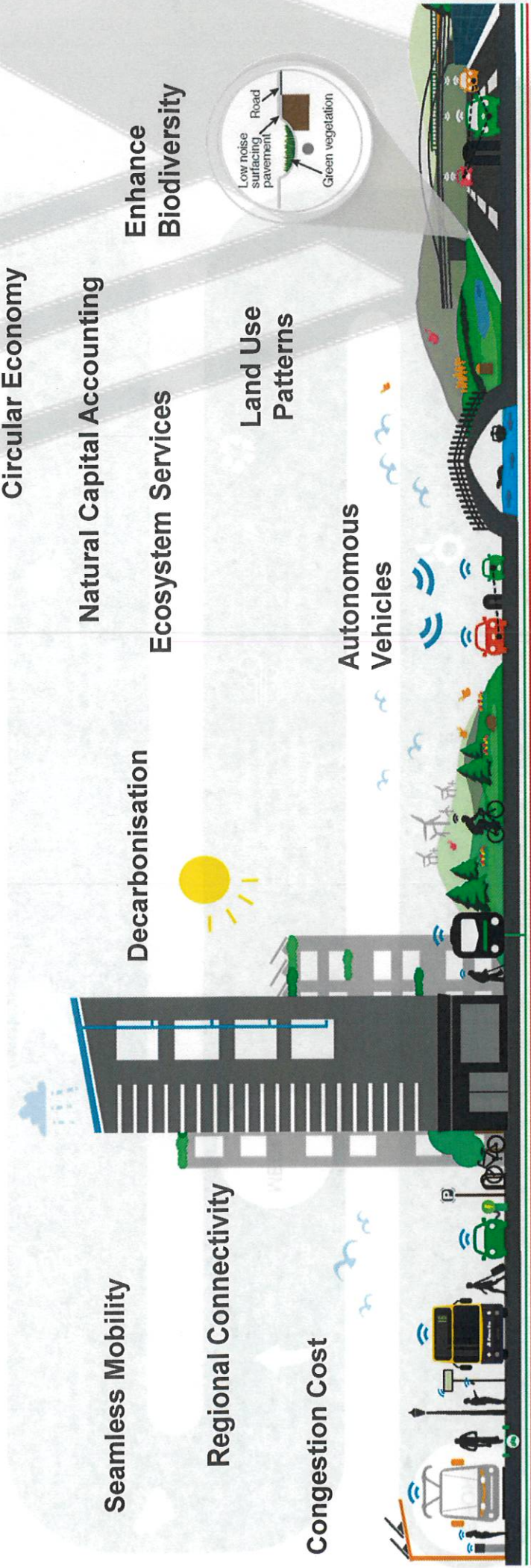
Natural Capital Accounting

Ecosystem Services

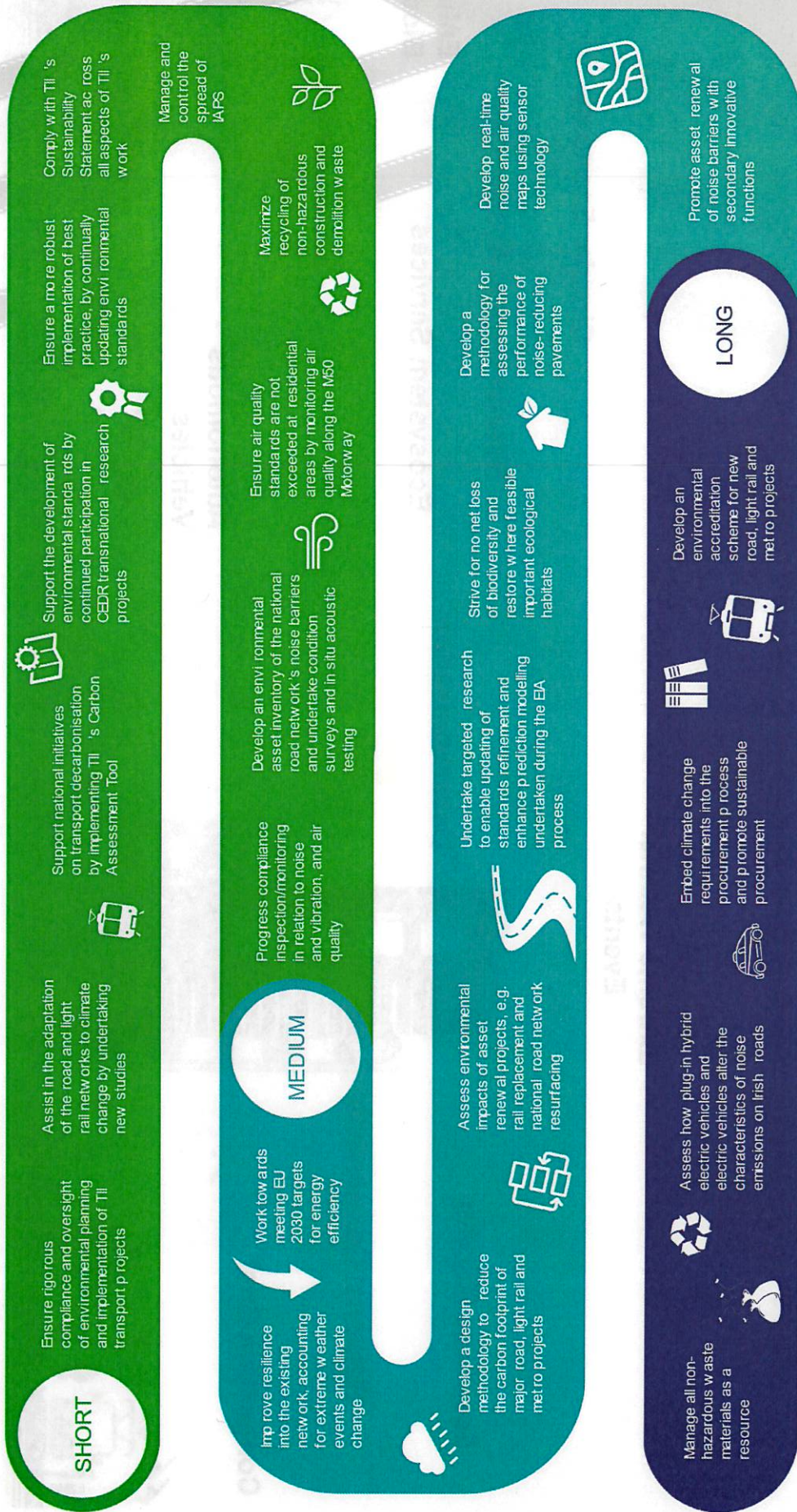
Land Use
Patterns

Autonomous
Vehicles

Enhance
Biodiversity



Short, Medium and Long Term Environmental Objectives



Plans for Decarbonisation

Transport Targets

To meet the required level of emissions reduction, by 2030 we will:

- Reduce CO2 eq. emissions from the sector by 45-50% relative to 2030 pre-NDP projections.
- Increase the number of EVs to 936,000, comprised of:



840,000
Passenger EVs



95,000
Electric vans and trucks



1,200
Electric buses



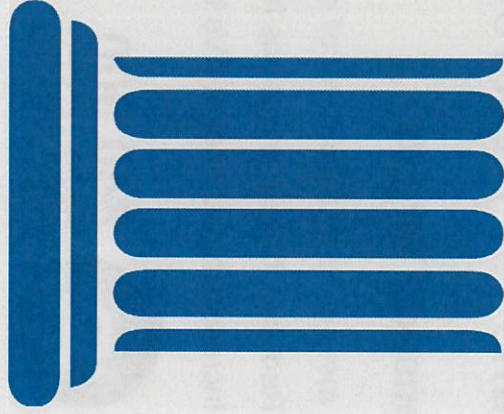
- Build the EV charging network to support the growth of EVs at the rate required, and develop our fast-charging infrastructure to stay ahead of demand.
- Require at least one recharging point in new non-residential buildings with more than 10 parking spaces.
- Raise the blend proportion of biofuels in road transport to 10% in petrol and 12% in diesel.

Climate Action Plan 2019

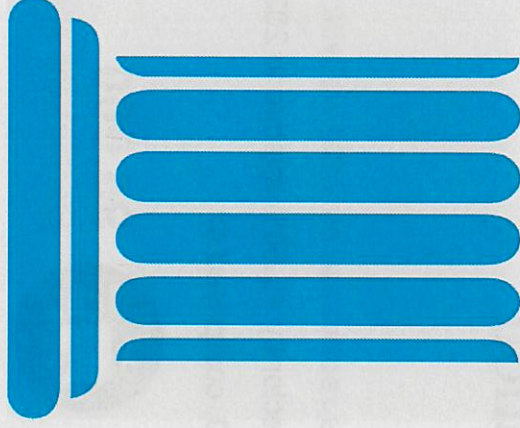
TII's Approach to Transport Decarbonisation

TII's **Roadmap to Low Carbon** identifies three pillars to decarbonising transport with a proposed methodology over three phases (short, medium and long-term)

Corporate and
Operational Emissions



Asset Base and
Construction Emissions



Influence on Emissions in
Use

