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A Global Macro Roadmap Outlining an Actionable Vision towards Decarbonized, Resilient Transport

Implementing the Paris Agreement on
Climate Change in the transport sector in
support of a net-zero, climate-resilient
economy by 2050 or shortly thereafter

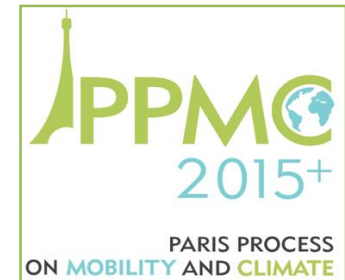


PPMC - Paris Process on Mobility & Climate

A collaborative, public/private advocacy platform

On innovative, multimodal mobility

Of people and freight transport



Created 2015 on the way to COP 21 ...

- ***To structure the voice of non-State actors involved in Transport at COP : «Global Climate Agenda» at COP 21 in Paris 2015, COP 22 in Marrakech 2016, COP 23 in Bonn 2017, COP 24 in Katowice 2018...)***
- ***To help decision-makers move on implementing the Paris Agreement (developing a «Global Macro-Roadmap for Transport Decarbonization» as a pathway towards a net zero emission transport sector by 2050+)***

The Michelin Group is co-founder and stakeholder of the PPMC platform (Paris Process on Mobility and Climate)

A Coalition to transform and develop Transport

Private sector actors

MCB Michelin Challenge
Bibendum 1998-2014

Movin'on/OpenLab

2017 onwards

Public sector actors (incl. NGOs...)

SLoCaT

Sustainable Low Carbon
Transport Platform 2009



2015

- COP 21: Transport Days facilitation
- Labelling 15 "Transport Initiatives"

2016

- COP 22: Transport Days
- **GMR - Global Macro-Roadmap** ★
- Quick Wins (pre 2020 actions)

2017 - 2018

- COP 23 : Transport Days
- New enriched version of GMR
- Regional versions of GMR
- **Launching TDA - Transport Decarbonization Alliance** ★
- Cooperation with IDDRI on NDCs methodology
- Contribution to **SuM4All**

PPMC's approach of a “Global Macro Roadmap for Transport”

3 key messages:

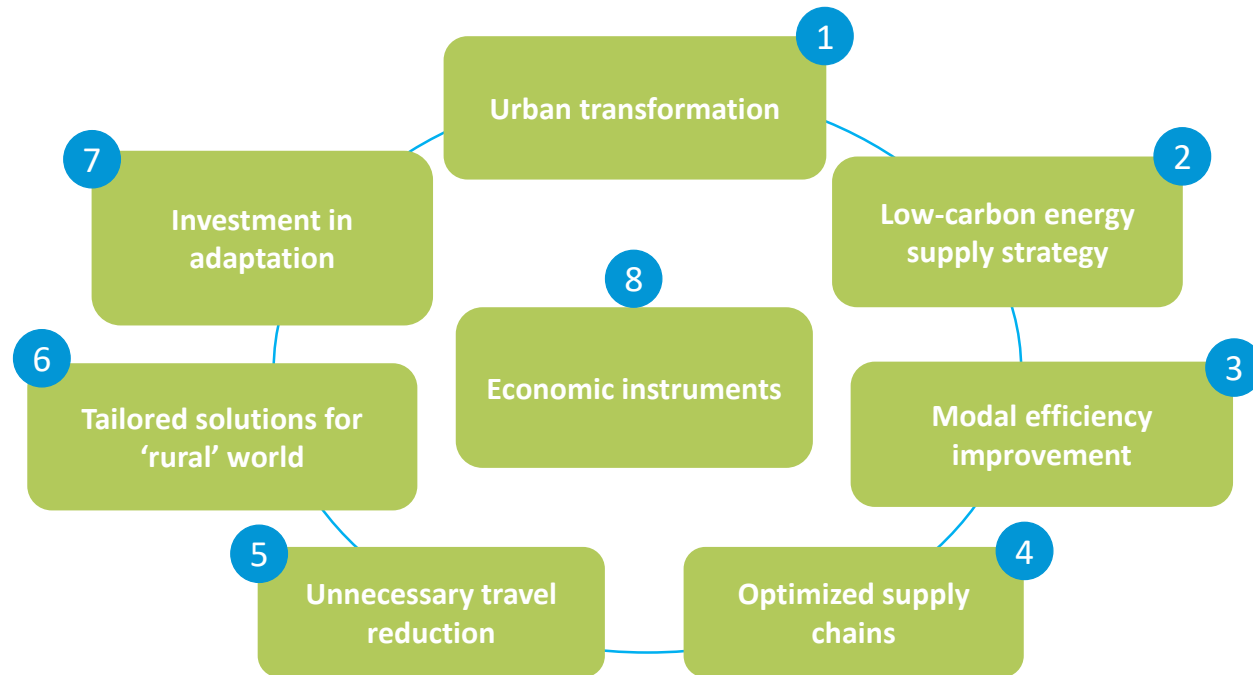
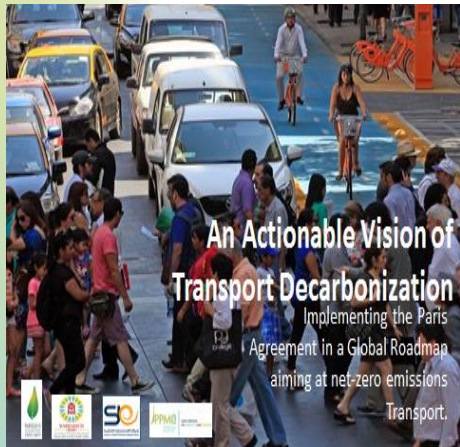
1. **The Paris Agreement is a unique chance**, for the transport sector, to really move on a track of true innovation, both in products and services, for the next 40 years
 2. **Decarbonizing transport** - meaning net zero emission mobility by 2060 as the Paris Agreement states it- will not only be good for the climate but good also for urban pollution, access equity, lifestyle..... quality growth
 3. **Market forces alone will not be able** to structure such a massive transformation in 40 years. A few smart, well-coordinated public policies at national and urban levels must rapidly catalyse the transformation and make the status quo not acceptable any more
- **These three convictions have led PPMC to build a macro-roadmap for a phased, worldwide, synergized transformation that both the private and the public sector can use as a basis for a realistic, powerful action.**



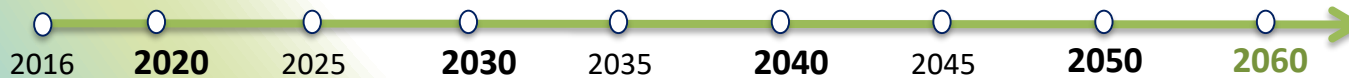
PARIS PROCESS
ON **MOBILITY** AND **CLIMATE**

8 priorities to decarbonize/transform/develop transport by 2050+

Implementing the Paris Agreement in a Global Roadmap
aiming at zero net emission Transport



Trail blazers

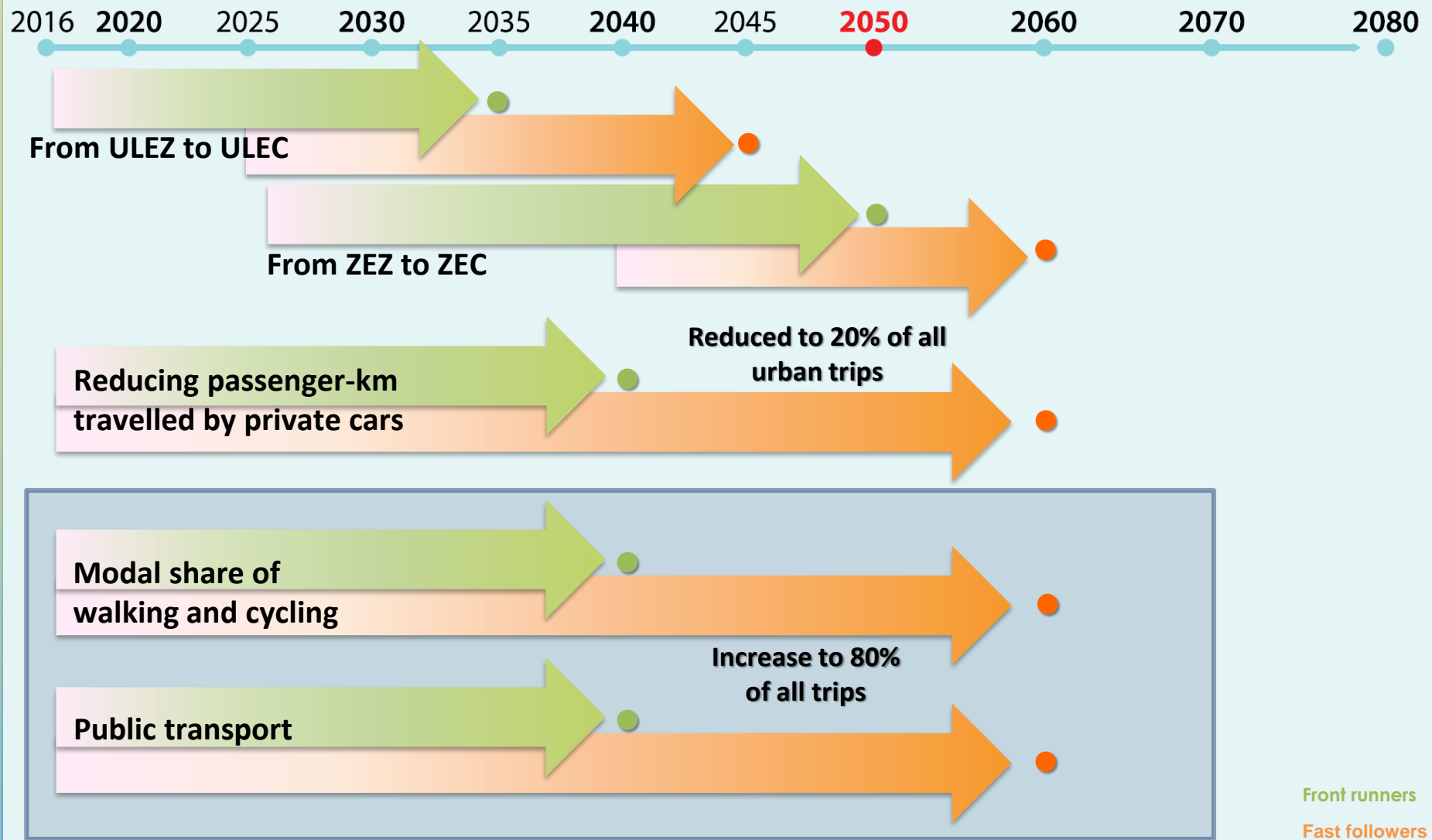


Fast followers

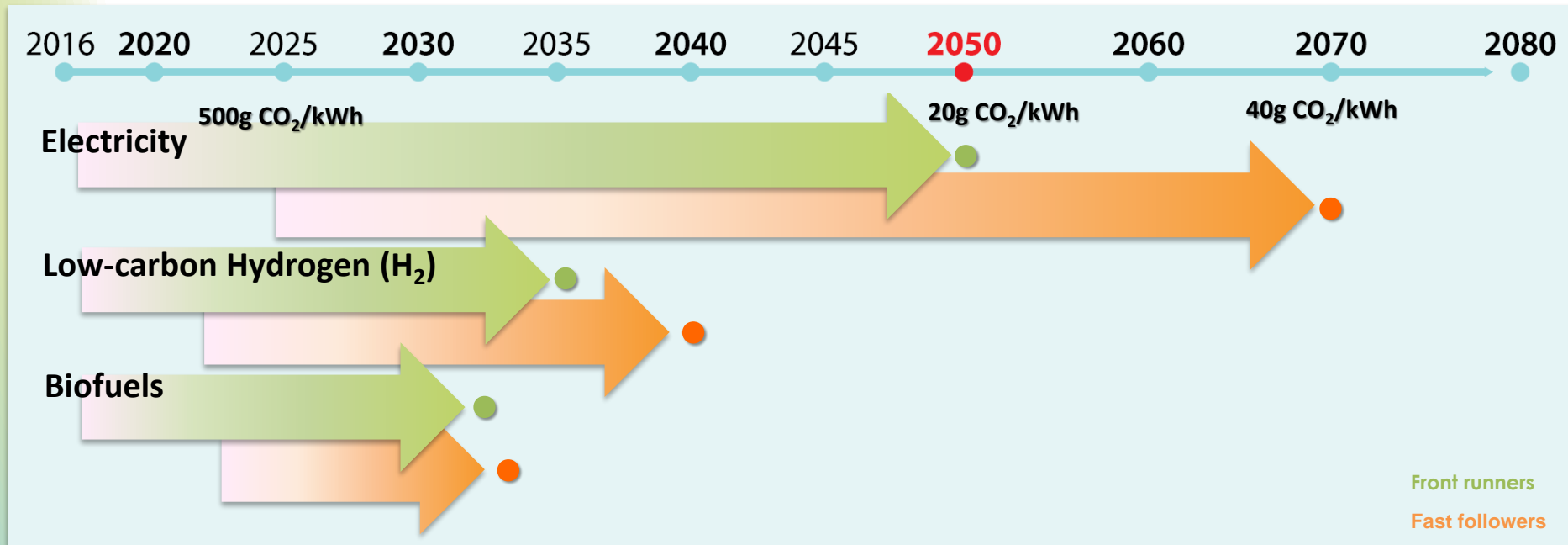


1. Urban transformation

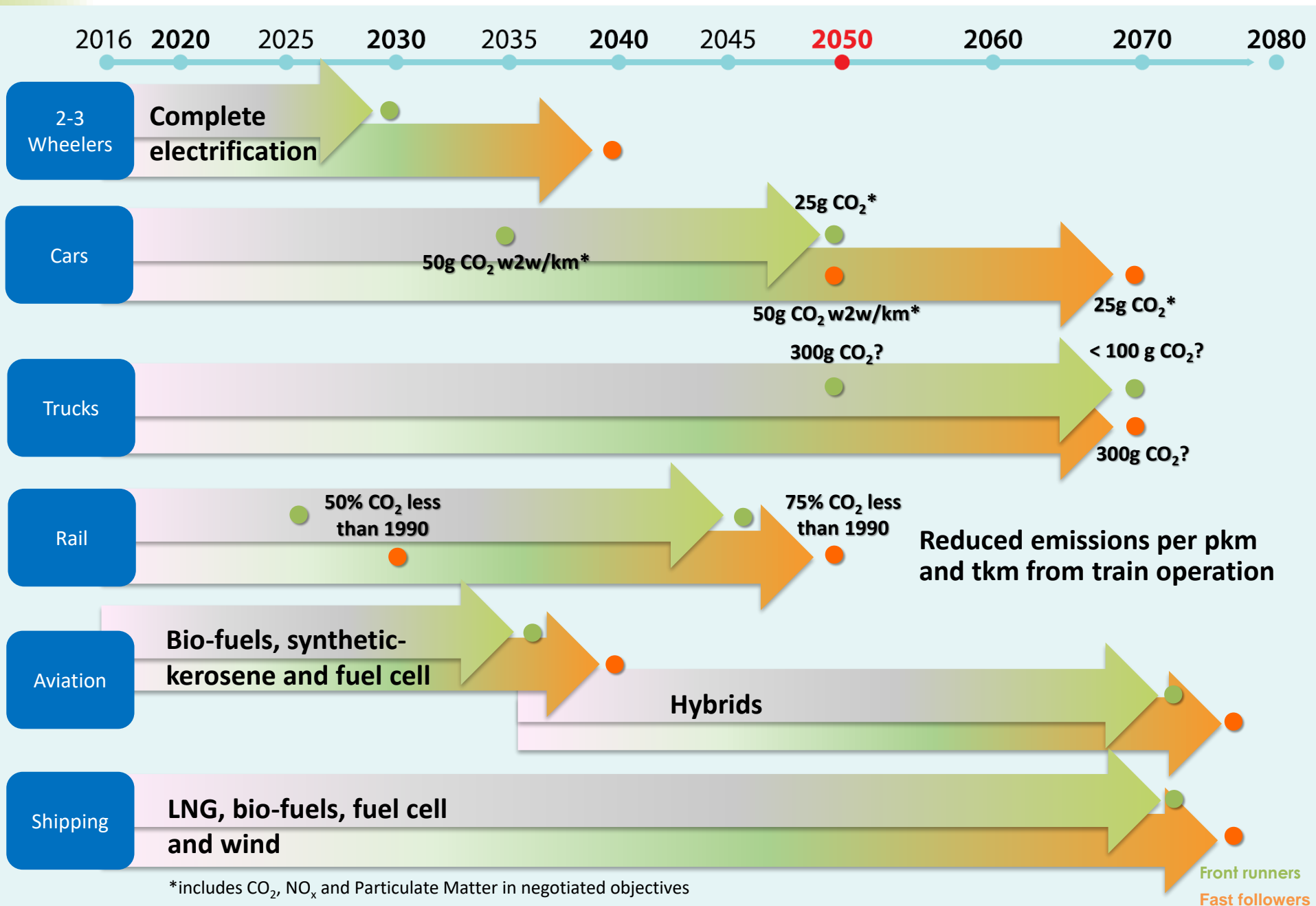
Low-Emission Zones and Modal Shift



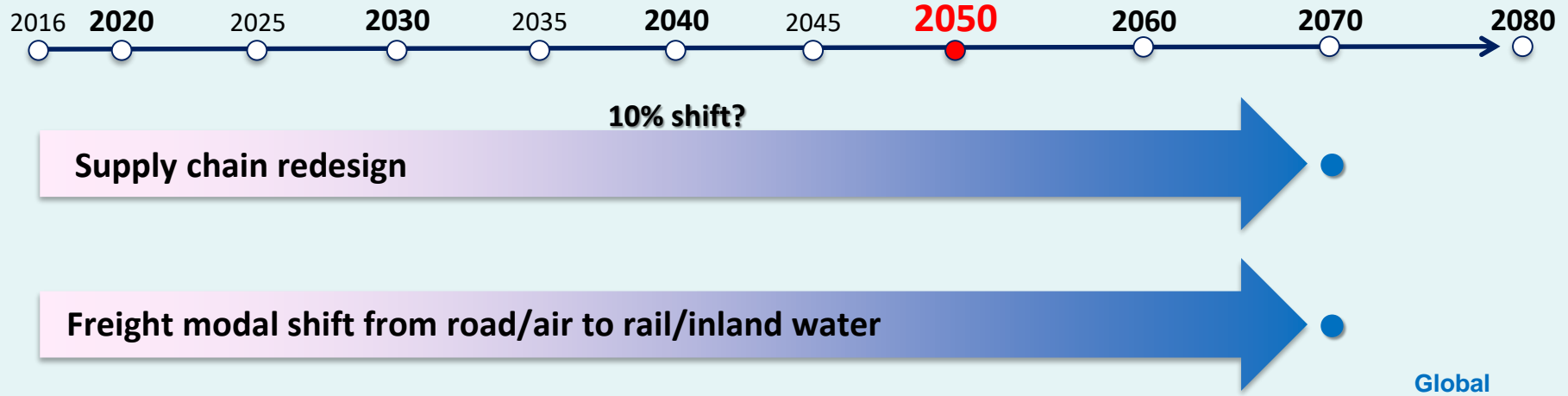
2. Low-carbon energy supply strategy



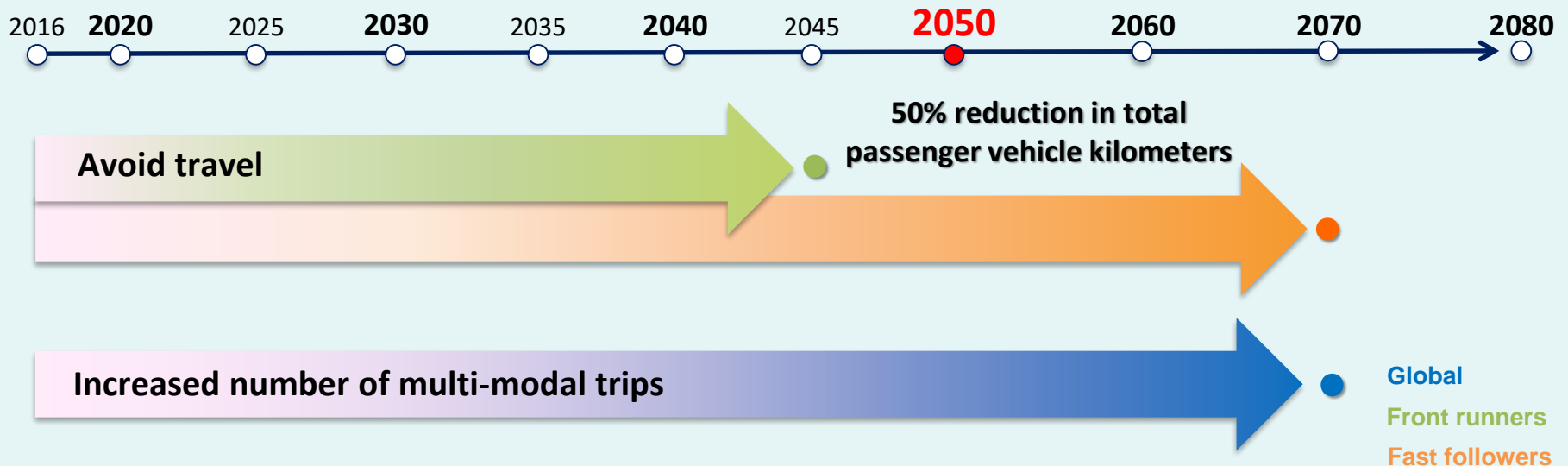
3. Improve modal and system efficiencies



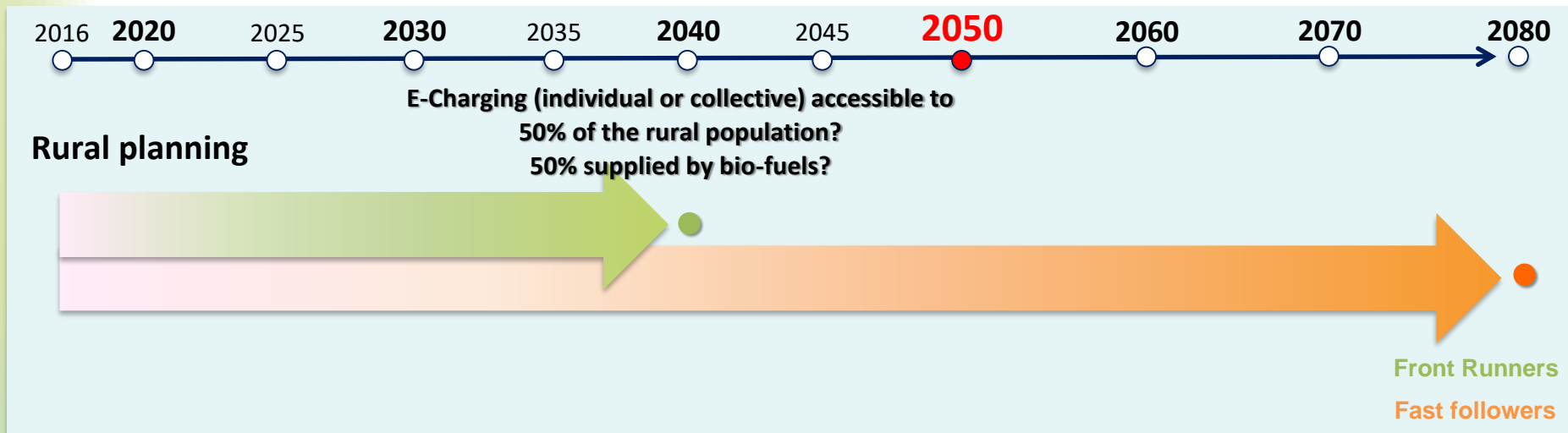
4. De-fragment and shorten supply chains to manage freight transport emissions



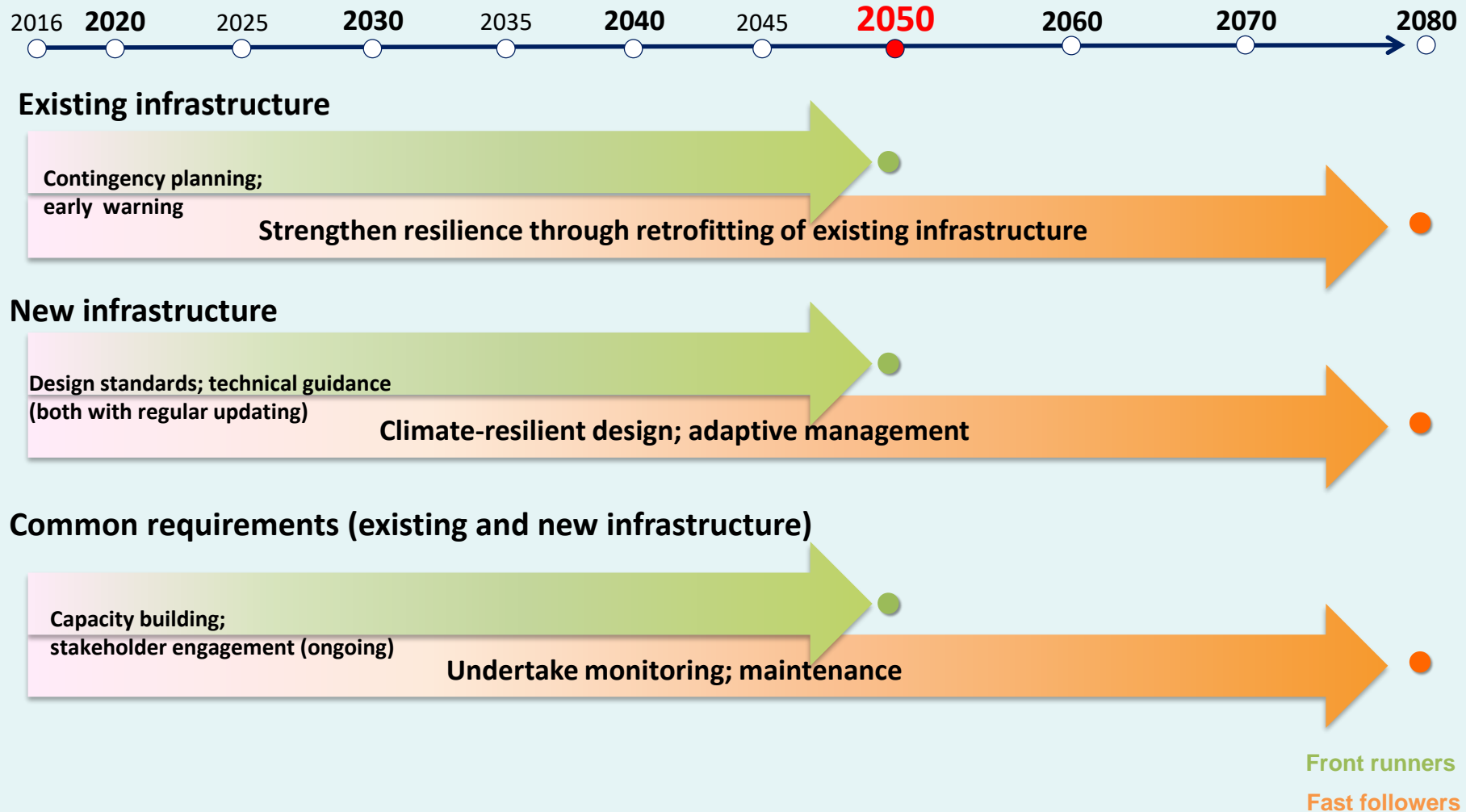
5. Avoid vehicle kilometers for commuting, shopping and accessing services



6. Provide low-carbon solutions for the rural populations



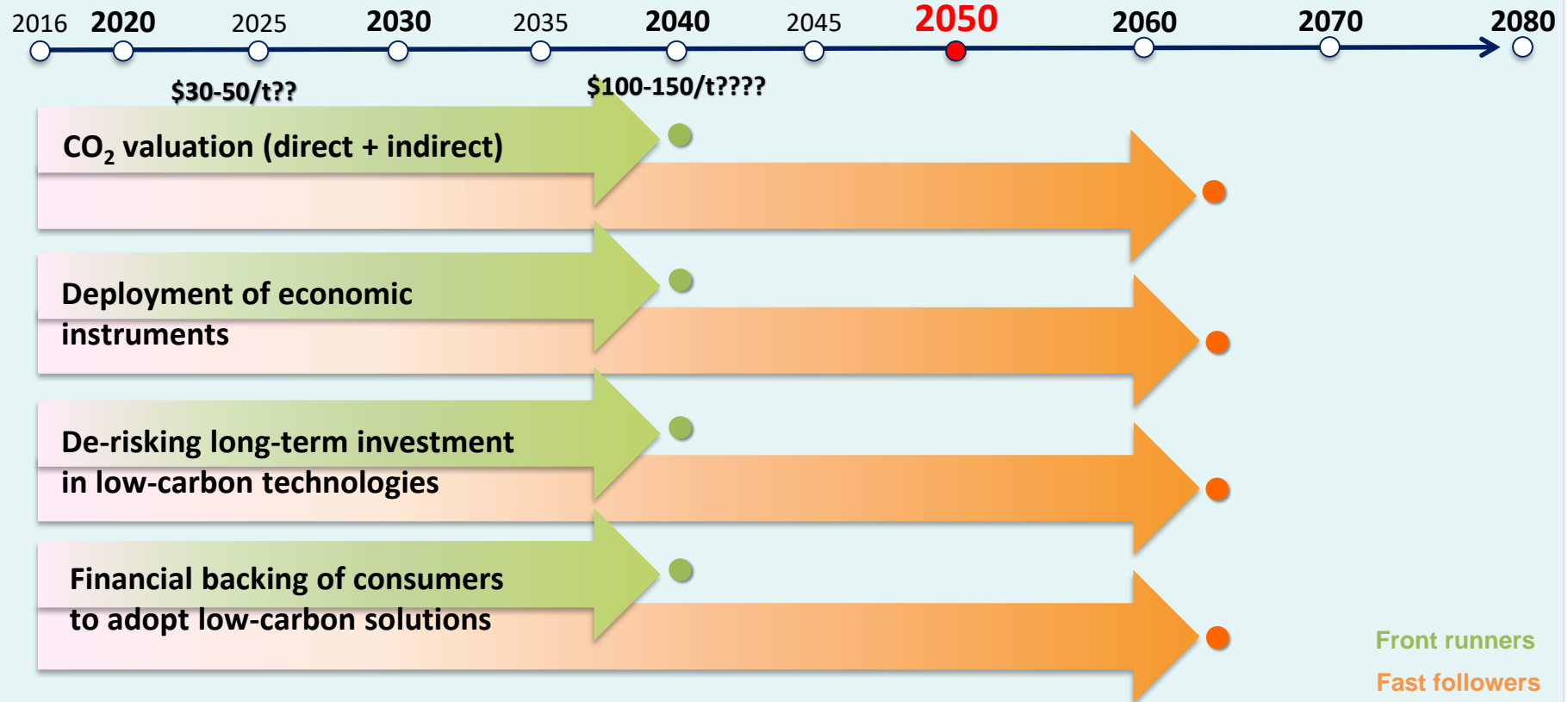
7. Accelerate action on adaptation in transport sector



8. Economic instruments

12

Large scale deployment of economic instruments giving a value to carbon, and which catalyze the transformation of the transport sector



Linkage between Global Macro-Roadmap and SDGs

Ambition

Strong impact

Medium impact

Weak impact

Component 1
Urban transformation

Component 2
Low-carbon energy

Component 3
Modal efficiency

Component 4
Optimized supply chains

Component 5
Travel reduction

Component 6
Solutions for rural areas

Component 7
Adaptation

Component 8
Economic instruments



GMR and TDA :

Setting Direction and Providing Leadership

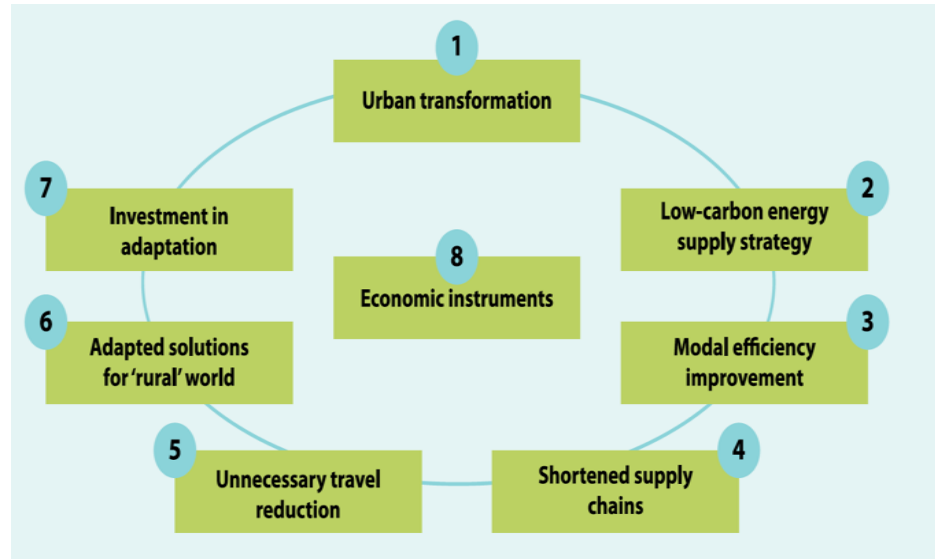
Setting Direction

The Global Macro-Road Map (GMR)

A demonstration-based, industry-led pathway for mobility transformation

8 components aiming at

net zero emission for the transport sector by 2050⁺,
with phased timelines synergizing with other sectors,
including the **energy sector**,
in consistency with the **Paris Agreement** of COP21.



Provide Leadership

The Transport Decarbonization Alliance (TDA)

Bringing together a set of the “3C front runners” **Countries, Cities and Companies**

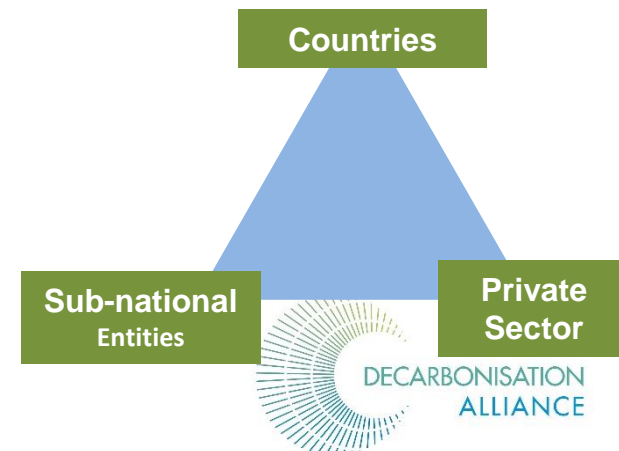
➤ **to provide political leadership** for accelerating a systematic transformation of the transport sector

with regard to decarbonizing the transport sector

➤ **to demonstrate the feasibility of bold, coordinated actions** towards a “net zero emission economy” and their positive effects on economic growth

➤ **to be the game changer** that build momentum by inspiring other Countries, Cities and Companies

in the context of the UNFCCC/COP process, e.g. the 2018 Facilitative Dialogue (“Talanoa Dialogue”)



Thank you for your attention!



www.tda-mobility.org

For more information, please contact the TDA Secretariat:
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