

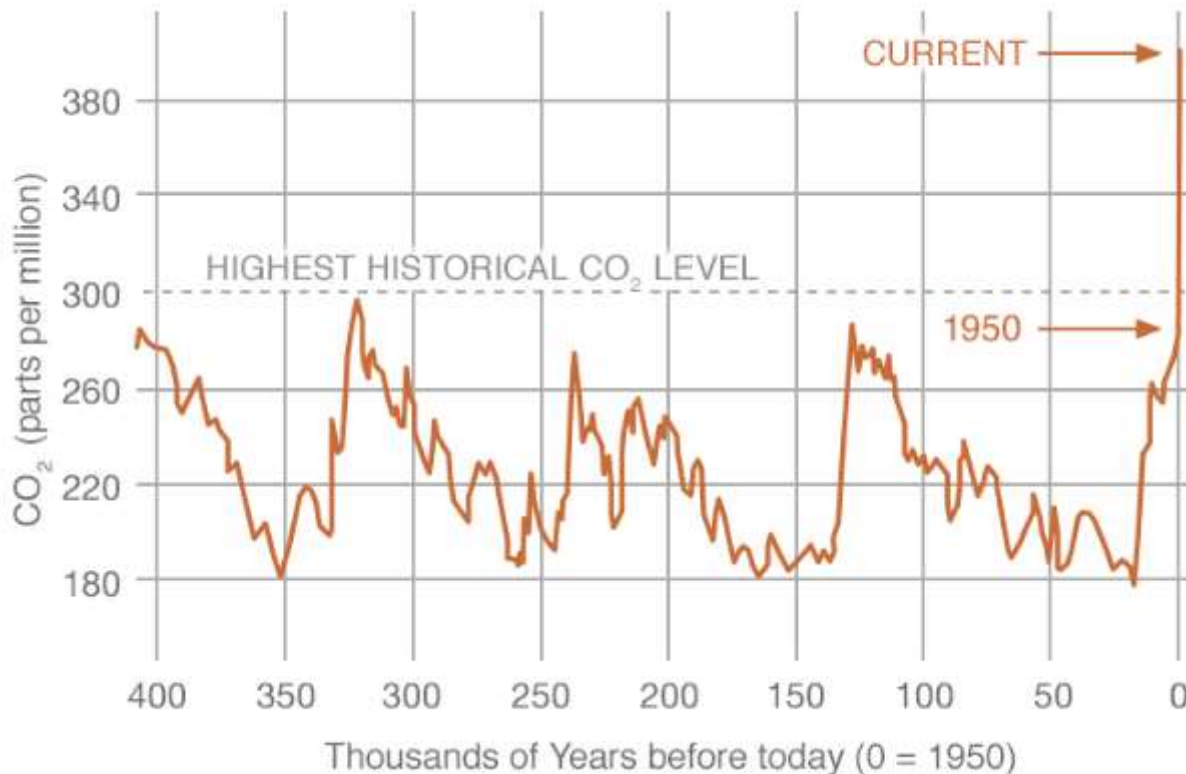


# Fossil fuels and climate change

Why should we care and what can we do?

# Are we helpful or helpless?

The answer determines what kind of world our kids will inherit



- 14 of 15 hottest years on record occurred since 2001
- August 2016 the hottest month ever recorded
- Climate crisis voted #1 risk to global economy by World Economic Forum
- Frequency of extreme weather events have quadrupled over the last 30 years
- Scientists have recorded a warming of the ocean west of the Antarctic Peninsula by more than a degree since the 1960s
- The acidity of surface ocean waters has increased by 30 per cent since the Industrial Revolution, due to increased carbon dioxide in the atmosphere being absorbed into oceans.

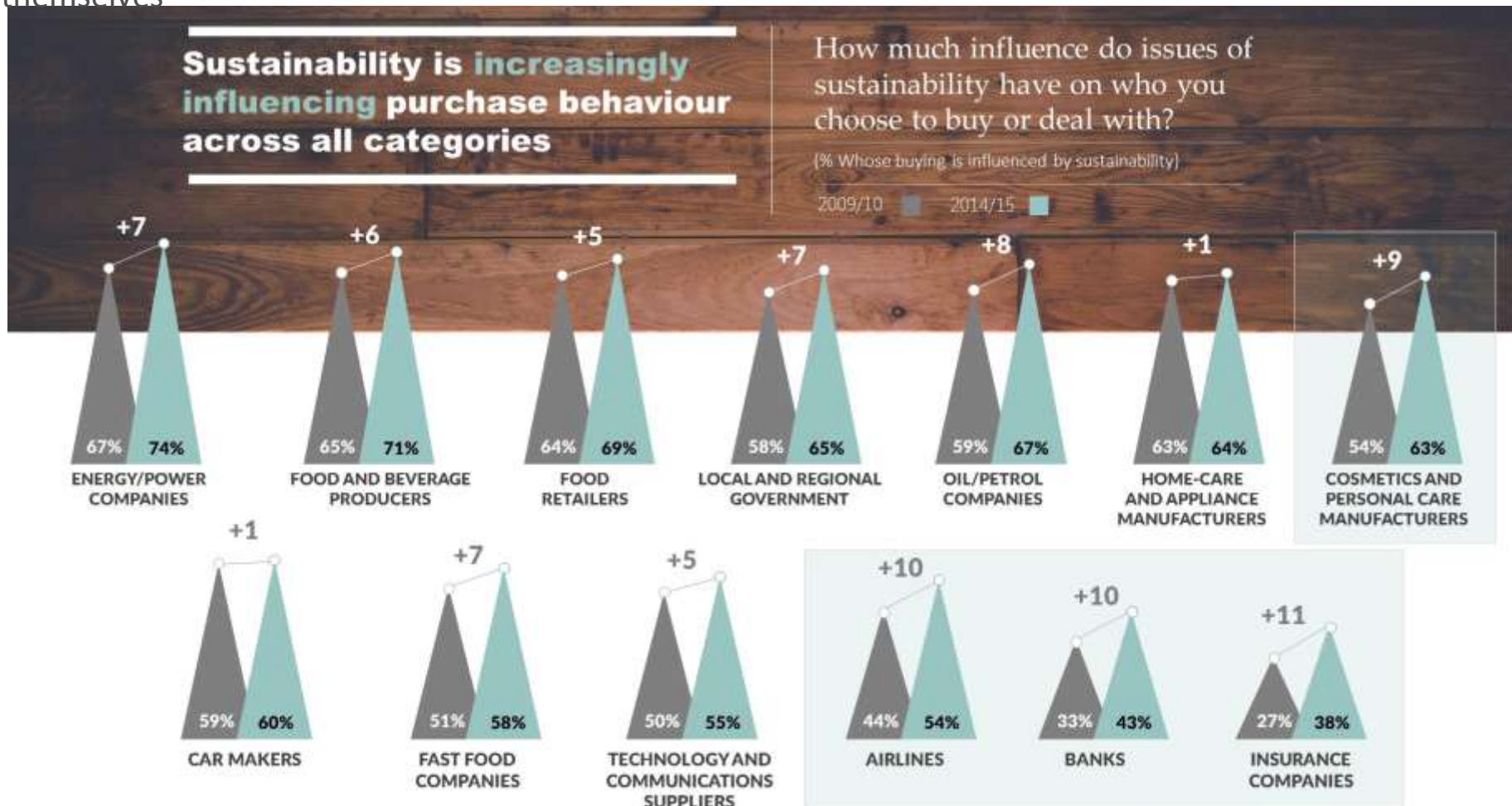
.@BarackObama-We are first generation to feel the effect of climate change and the last generation who can do something about it  
#reiders

# And we all have a role, but where do we start?

Customers want to support organisations that try on environmental sustainability



- Climate change is the most pressing issue for environmental sustainability
- Our customers' demands of us all will increase as the impacts of climate change continue to reveal themselves

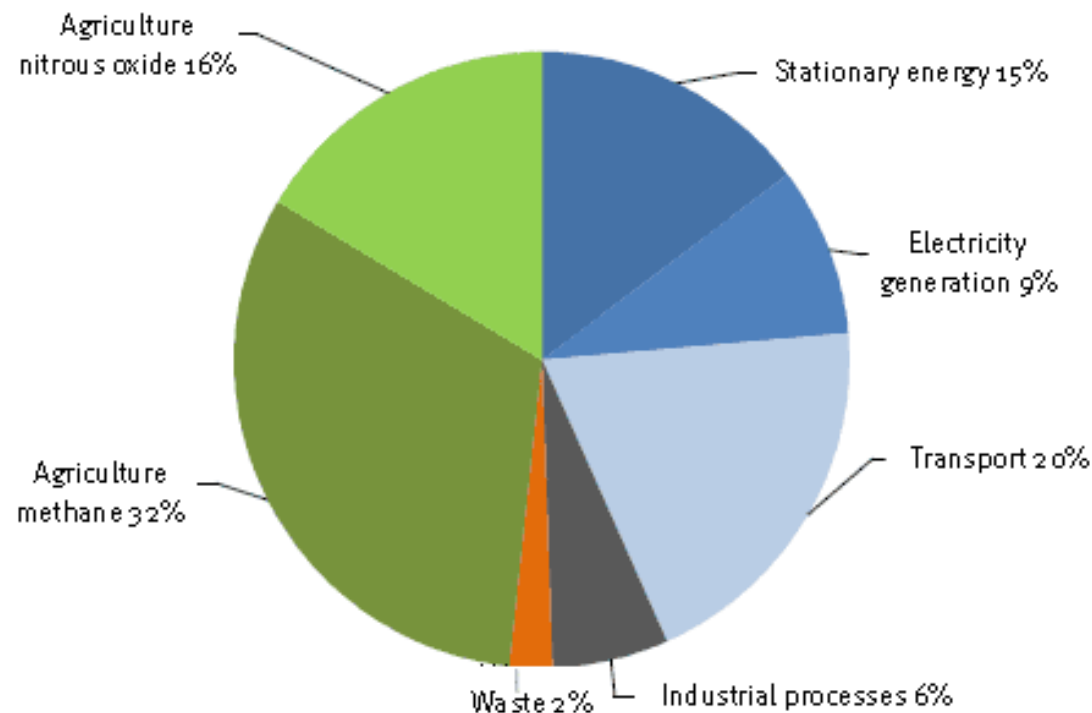


# New Zealand's targets and our global context

Government can't do this for us; business needs to lead



- New Zealand has committed to reduce greenhouse gas emissions by 30 per cent below 2005 levels by 2030
- Despite nearly 90 per cent of our electricity being generated from renewable sources, New Zealand has the fifth highest rate of greenhouse gas emissions per capita among industrialised nations



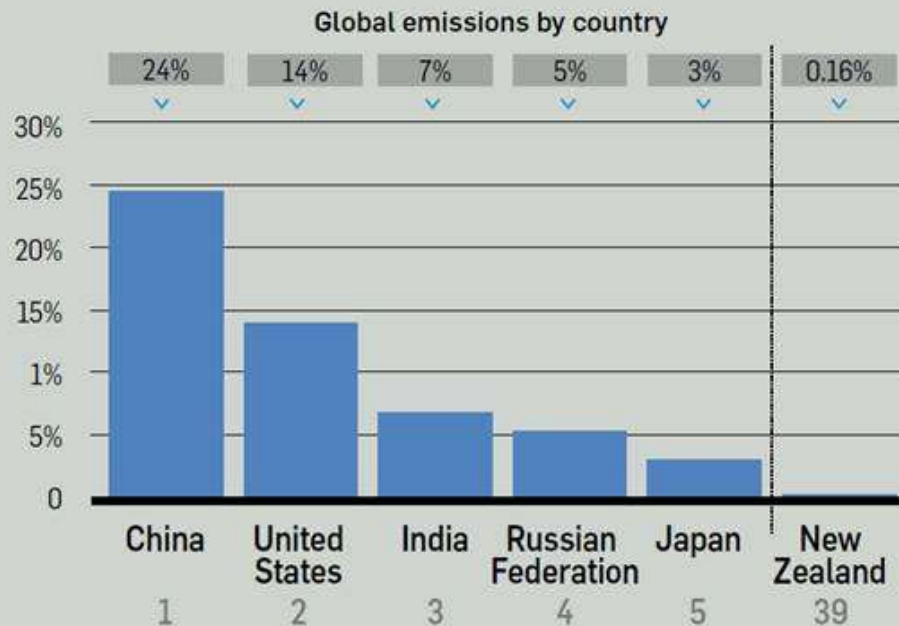
# But why should we lead and not follow?



## Competitive advantage likely to support leaders

- Countries like New Zealand make up 30 per cent of global emissions
- Commercial thinking requires us to view climate change as an opportunity rather than a threat – tenders are increasingly singling out sustainability initiatives as a decision-making swing factor
- Z believes that businesses that are in action will be increasingly rewarded by their customers, their staff, their business partners
- Taking action on climate change is the ultimate backing for New Zealand's 'clean green' reputation

### We all have a part to play



**Our contribution matters:**

**NEW ZEALAND'S SHARE  
of global emissions  
IS JUST 0.16%**

**BUT**

**small emitters  
like us together  
make up about 30%**

Source: World Resources Institute (2012 data) and NZ's Greenhouse Gas Inventory 1990-2014 Snapshot

# So, are we helpless?

And why on earth would we listen to a petrol company on this?



- Z cannot stand for continuing to be part of the problem and is committed to being at the heart of climate change solutions
- Our staff and increasingly our customers are highly engaged and committed to sustainability leadership
- Transport is where New Zealand must take ground... and we need your help

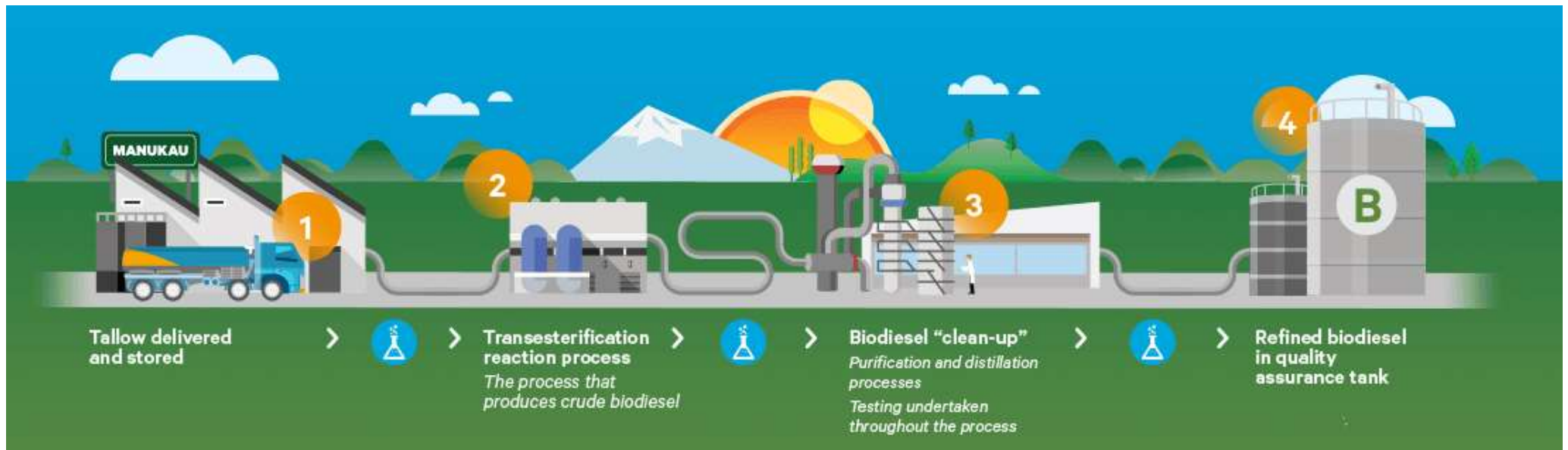


# New Zealand's first commercial biofuel plant

Introducing Te Kora Hou: a \$26 million gamble on whether Kiwis care enough



- New Zealand trails most of the world where biofuels are common
- Te Kora Hou will produce 20 million litres of B100 per annum – 400 million litres of a B5 biodiesel blend
- We think it's the most significant development designed to reduce emissions in recent times
- Highest quality biodiesel that meets both the New Zealand and European fuel specifications
- Your truck, your van, your bulldozer or your Porsche will love it
- Uses ~13 per cent of New Zealand's inedible tallow production rather than exporting for candle manufacture
- Renewable, sustainable and reducing greenhouse gas emissions, but really tough economics with \$50 oil



# We've been backed by these Kiwi companies

The early commitment of these companies have helped make this happen



- They've been prepared to pay us a little bit more to take their own small steps to reduce emissions
- We'd have struggled to get this off the ground without them... and we'd like you to invite you to join us



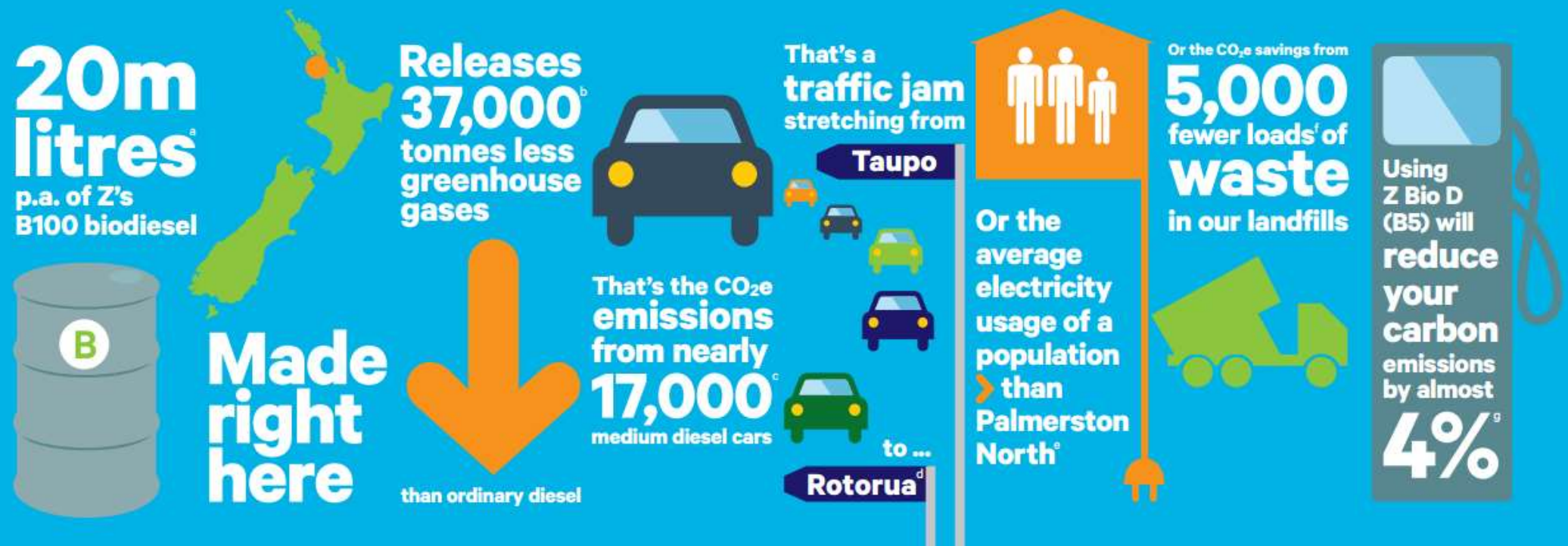


# A small step towards a more sustainable NZ

If business backs us...



## **BIO D**<sup>®</sup> and NZ's carbon footprint



So the request... will you back us?

Only together can we begin to build a transport sector for future generations

