

**SUSTAINABILITY  
REPORTING  
WORKSHOP  
TRANSPARENCY  
OR  
GREENWASHING?**

**STARTING AT 15:45  
CET**



**Lucie Anderton**

Director for  
Sustainability

**UIC**



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Sustainability  
Adviser

**UIC**

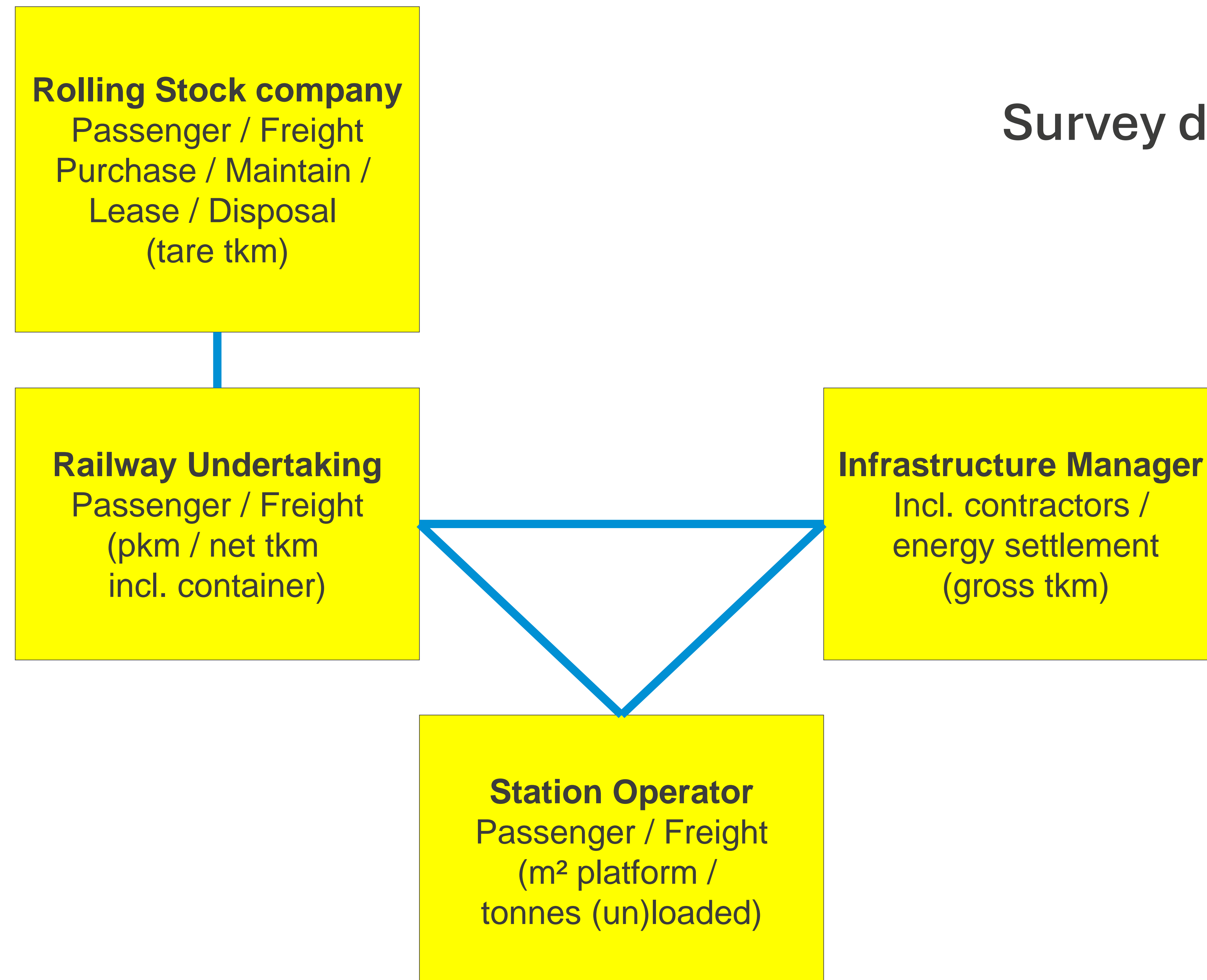
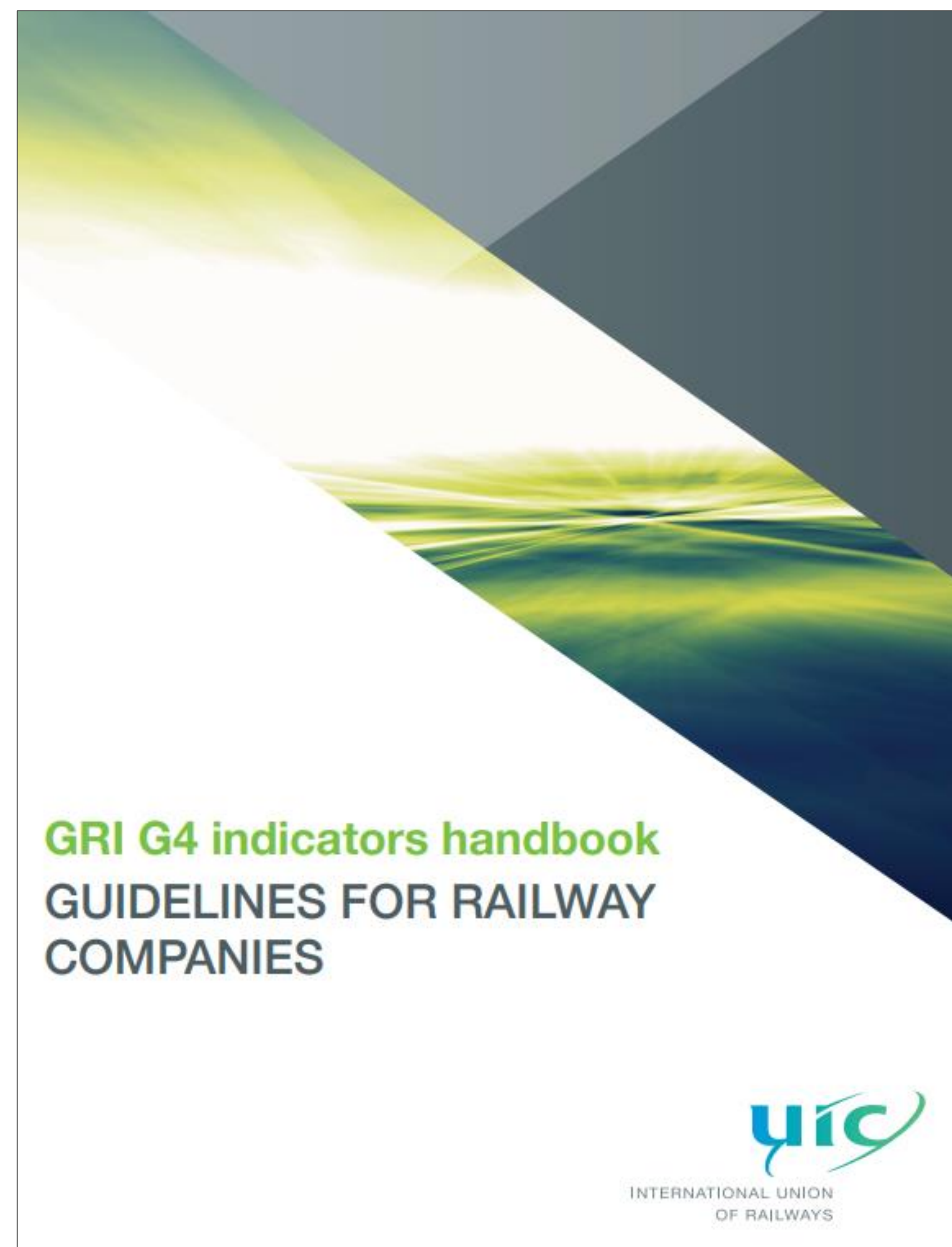




# Sustainability Reporting (Update of Leaflet 330)

Set guidelines and best practices to fulfil mandatory and useful reporting

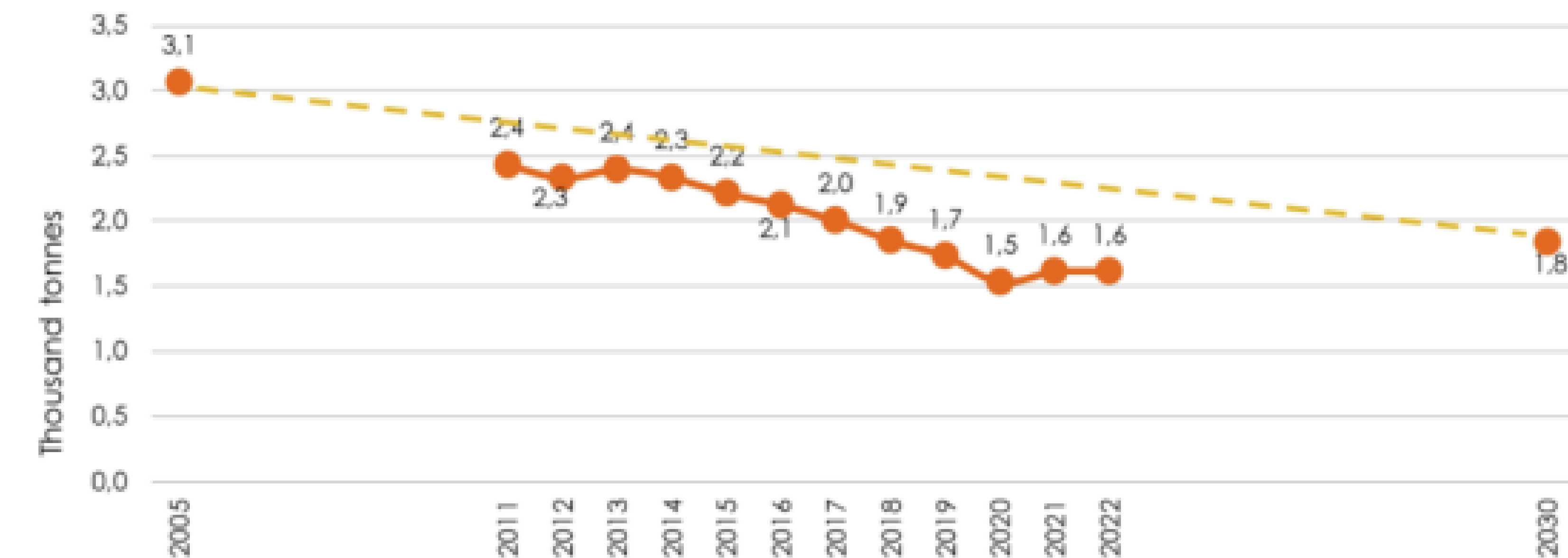
Survey data reporting methods for UIC Members





# The UIC TED railways monitors railway energy use and particulate matter (PM), PM2.5 and PM10, and nitrogen oxides (NOx)

## Traction Energy and Emissions Database



Total PM emissions in 2022 were reduced by approximately 47.4% compared to the 2005 baseline. This reduction exceeds the expected performance for 2022 by nearly 20%. Consequently, the 2030 target has already been achieved, as confirmed by previous years' results [15].

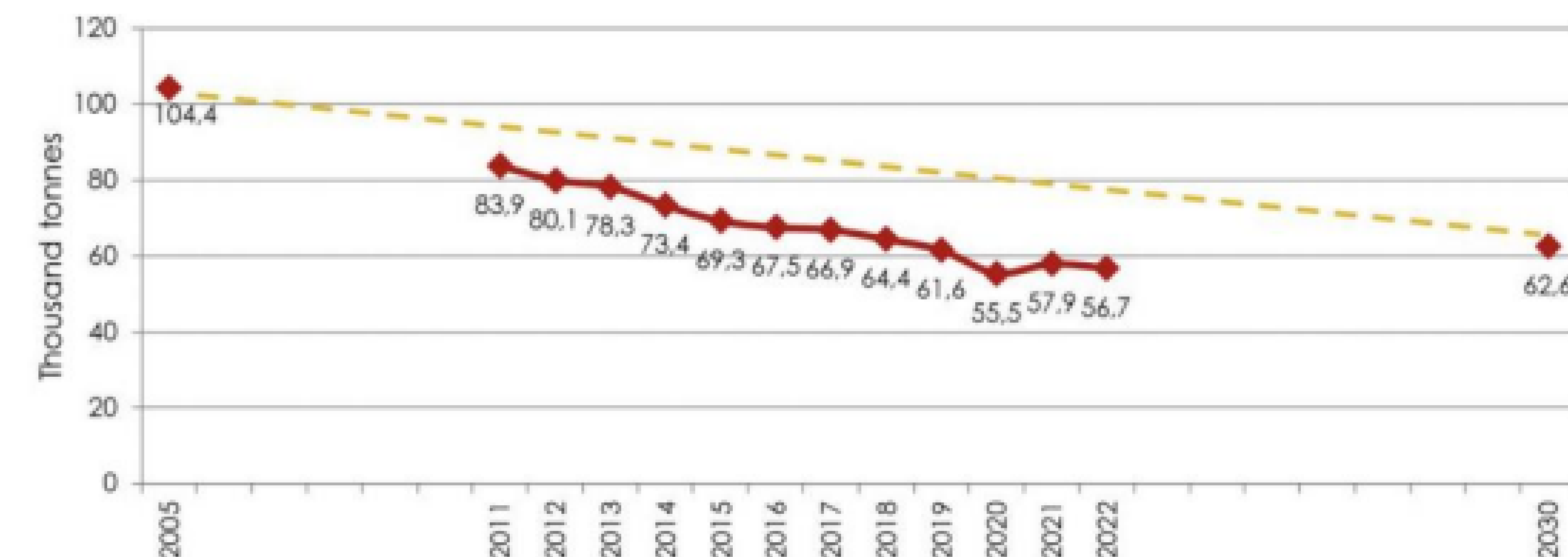
**3** GOOD HEALTH AND WELL-BEING



Figure 8: Total PM emissions from the UIC TEER participants, UIC (2023)

CO<sub>2</sub>e emissions per passenger Km returned to pre-pandemic levels in 2022 and decreased by 54.2% from 2005 (market based) and 46.0% (location based) [15].

CO<sub>2</sub>e emissions per freight tonne decreased by 49.7.2% from 2005 (market based) and 50.4% (location based) [15].



Total NOx emissions in 2022 were reduced by 45.6% compared to the 2005 baseline [15].

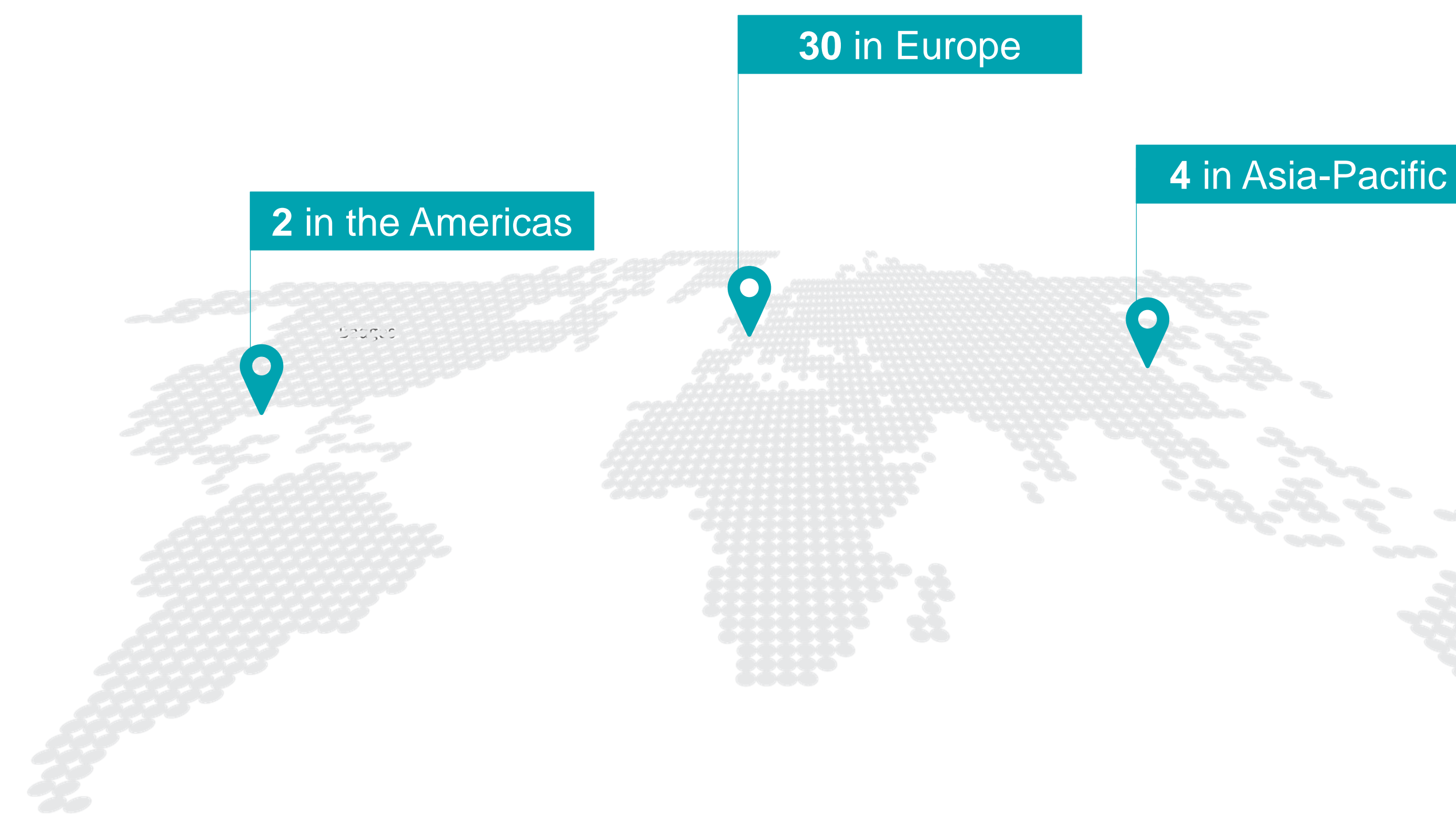
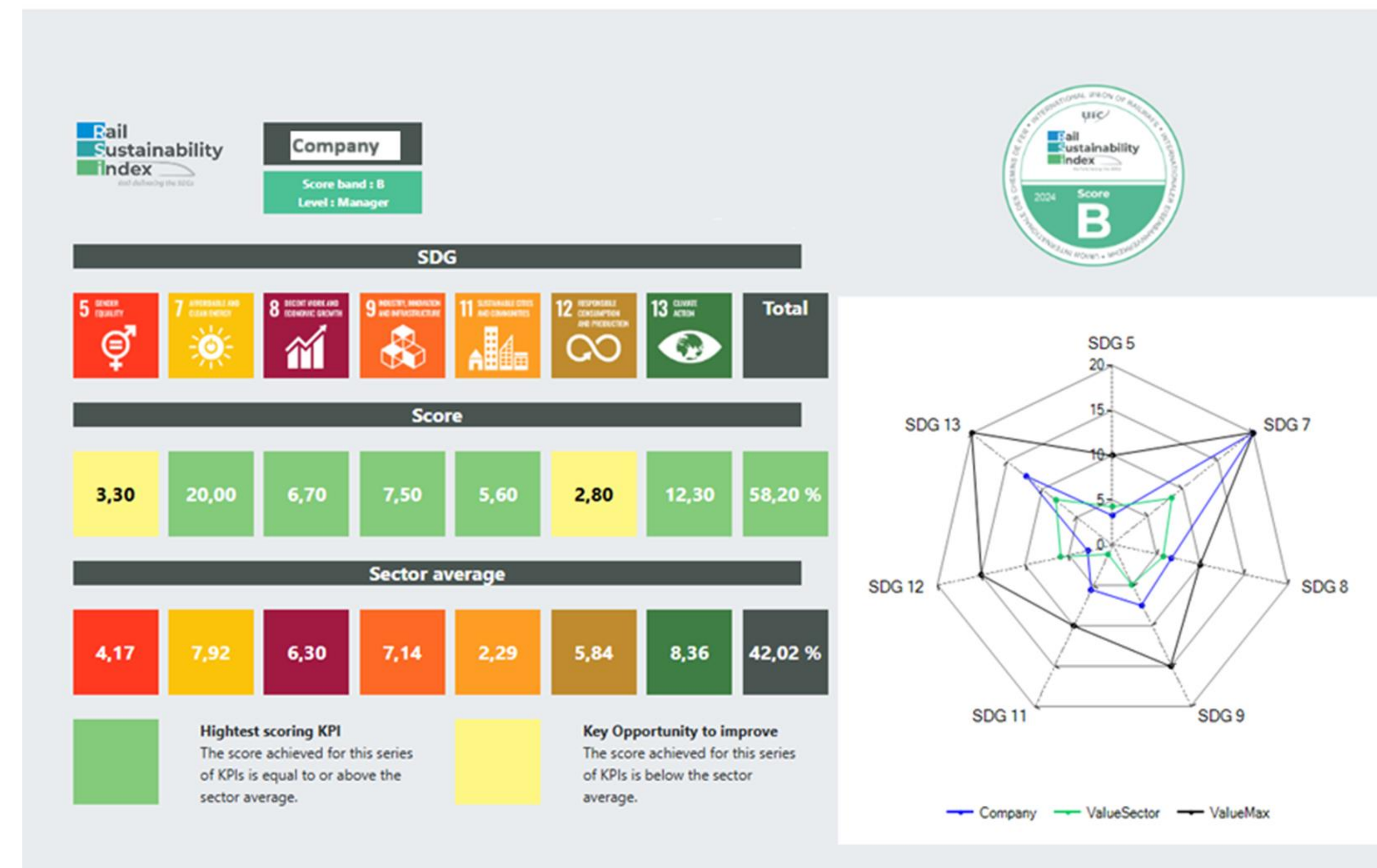
Figure 9: Total NOx, from the UIC TEER participants, UIC (2023)



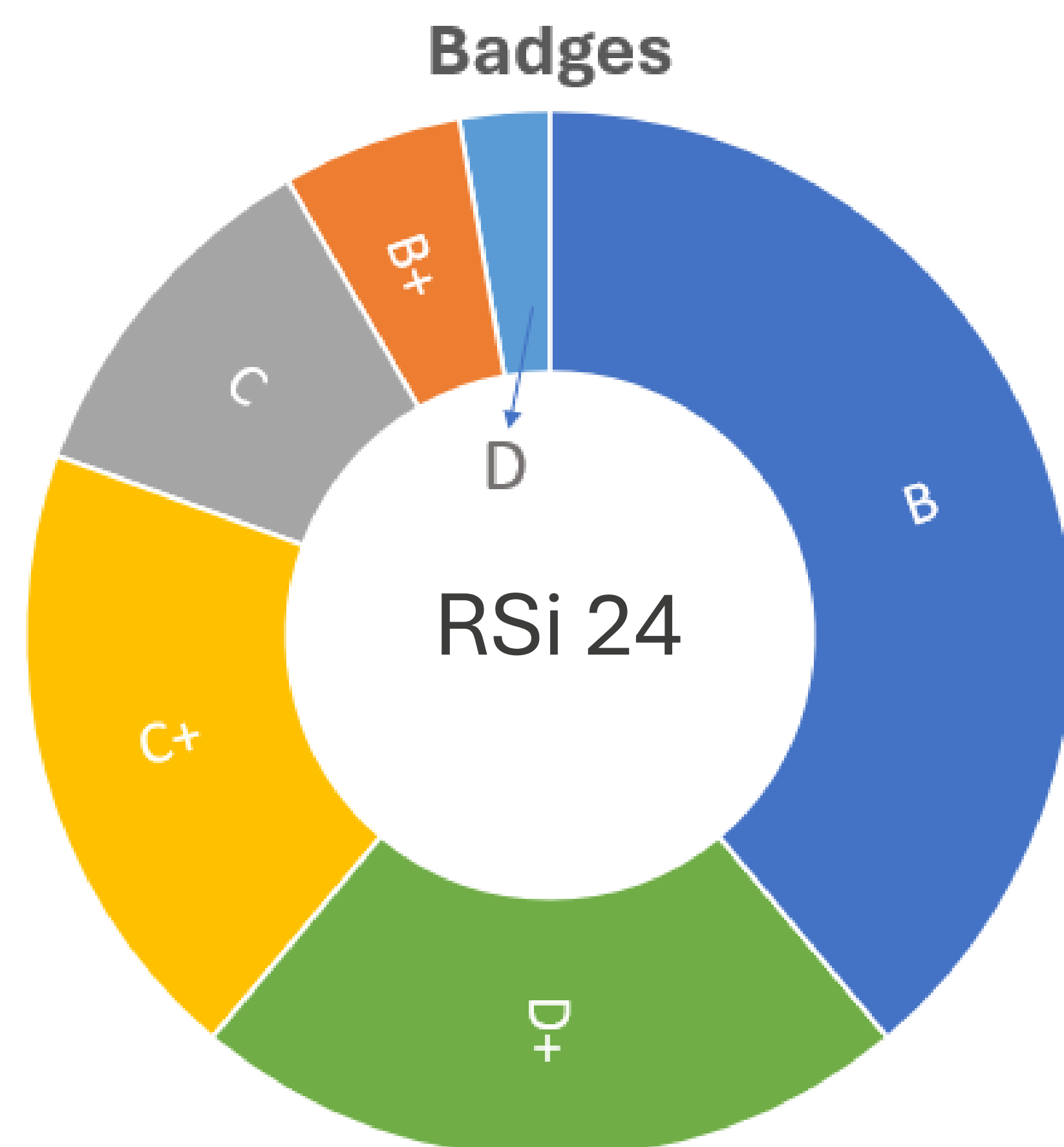
# Rail Sustainability index

Rail delivering the SDGs

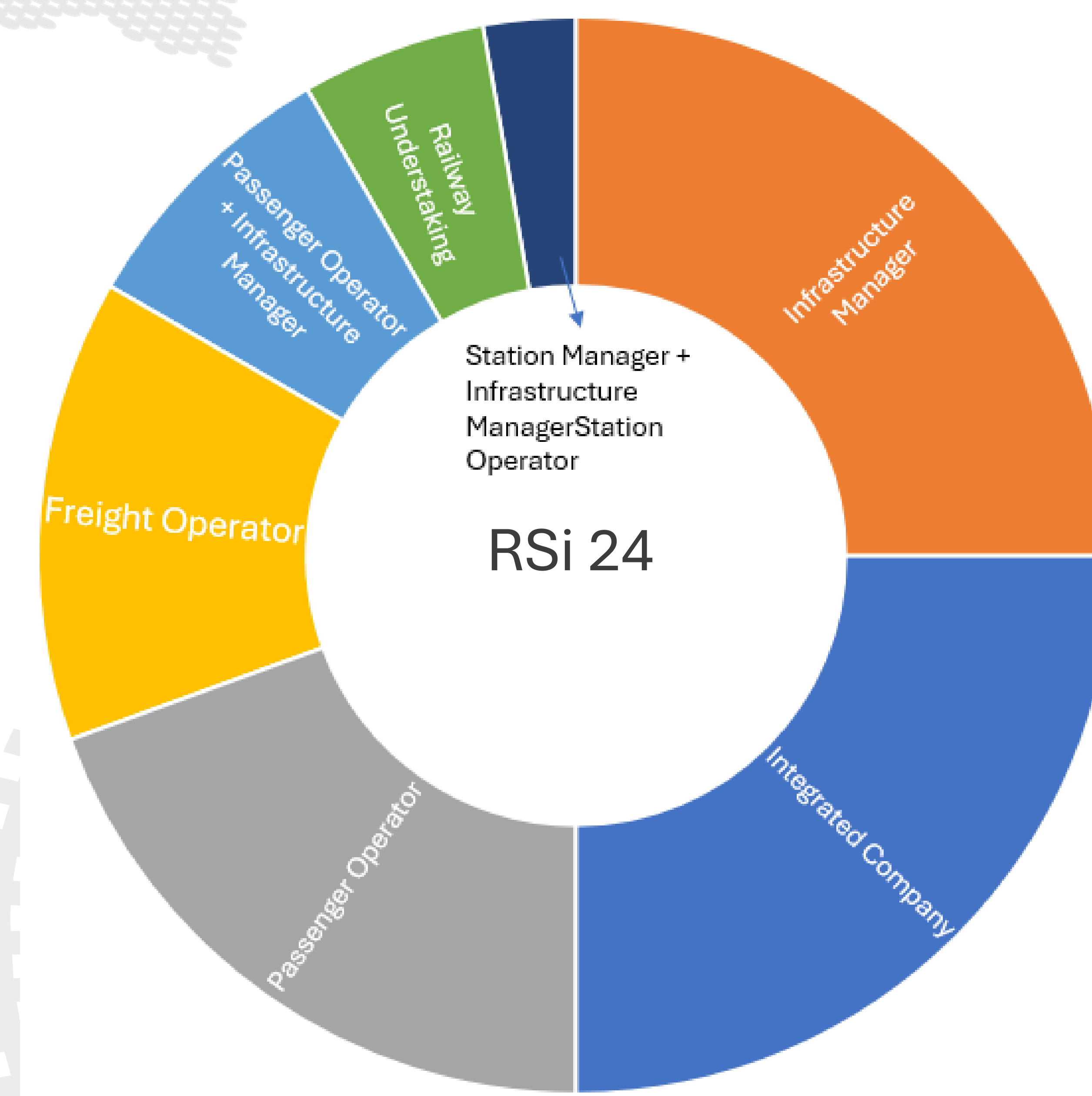
*A unique rating system and tool for UIC members - based on 7 United Nations SDGs*



Participants per activity



**SUSTAINABILITY**  
Action Week



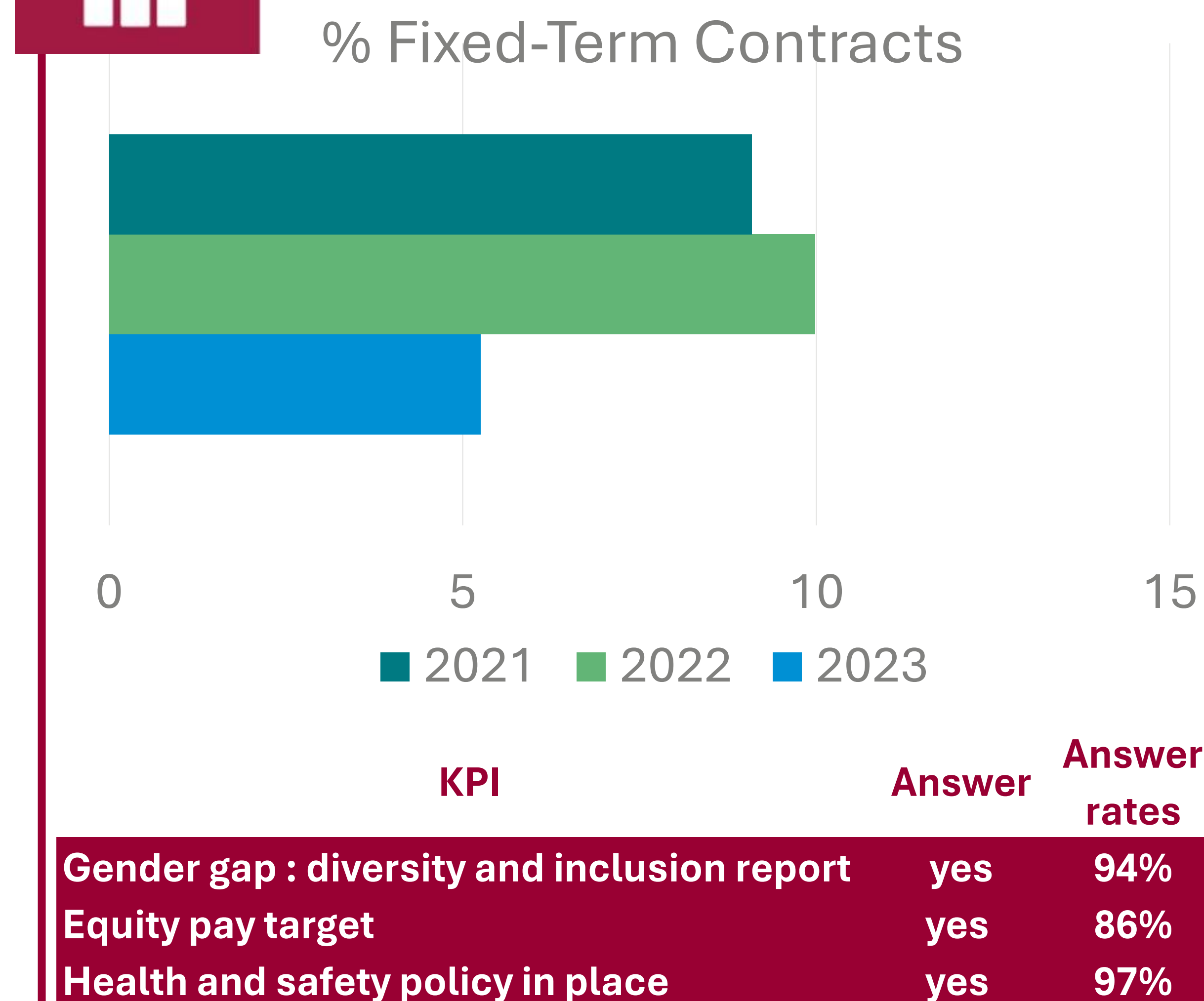




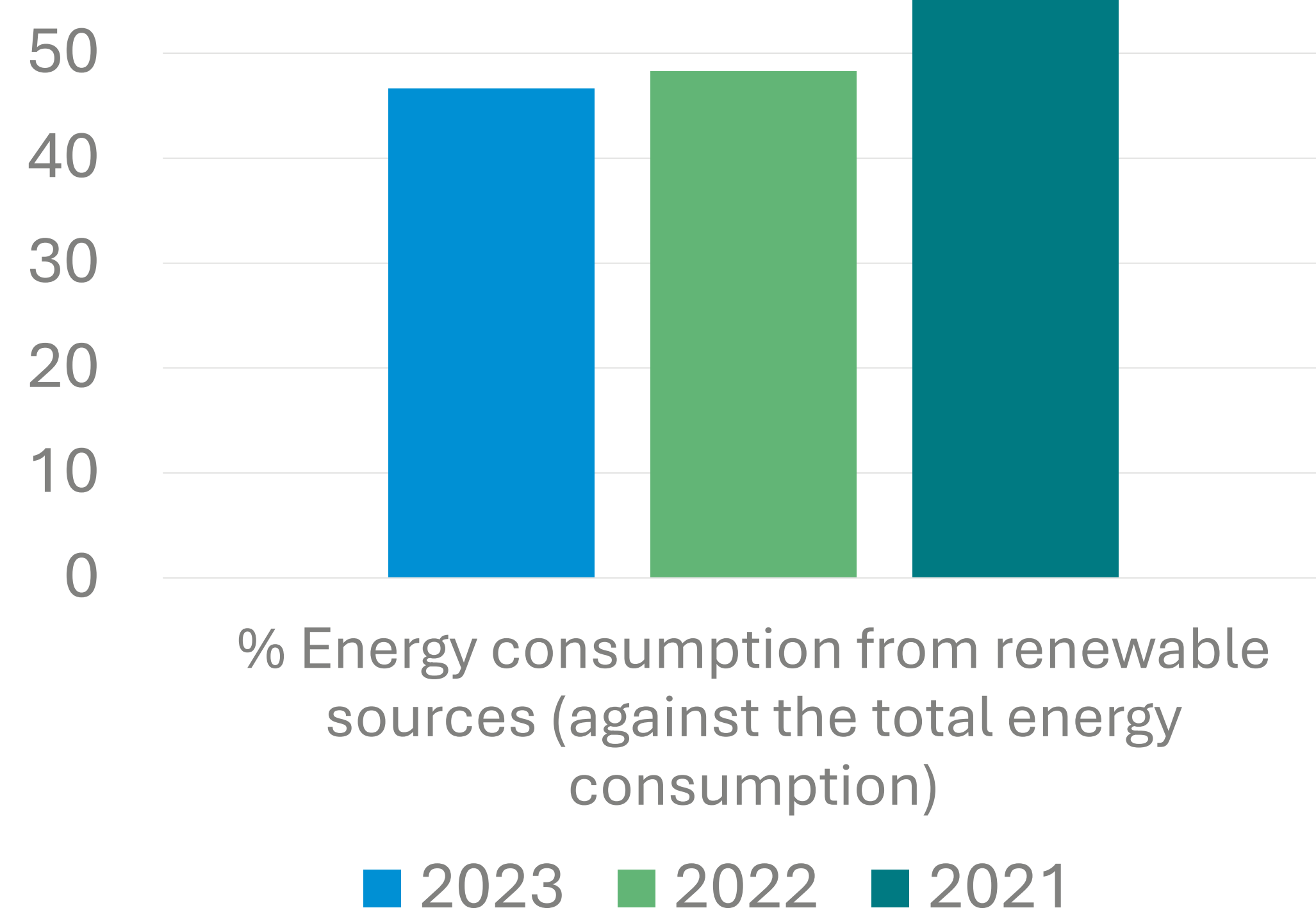
KPI	Answer	Answer rates
Emission targets	yes	92%
Collaboration with government for CC actions	yes	94%
Board-level oversight of climate-related issues	yes	89%



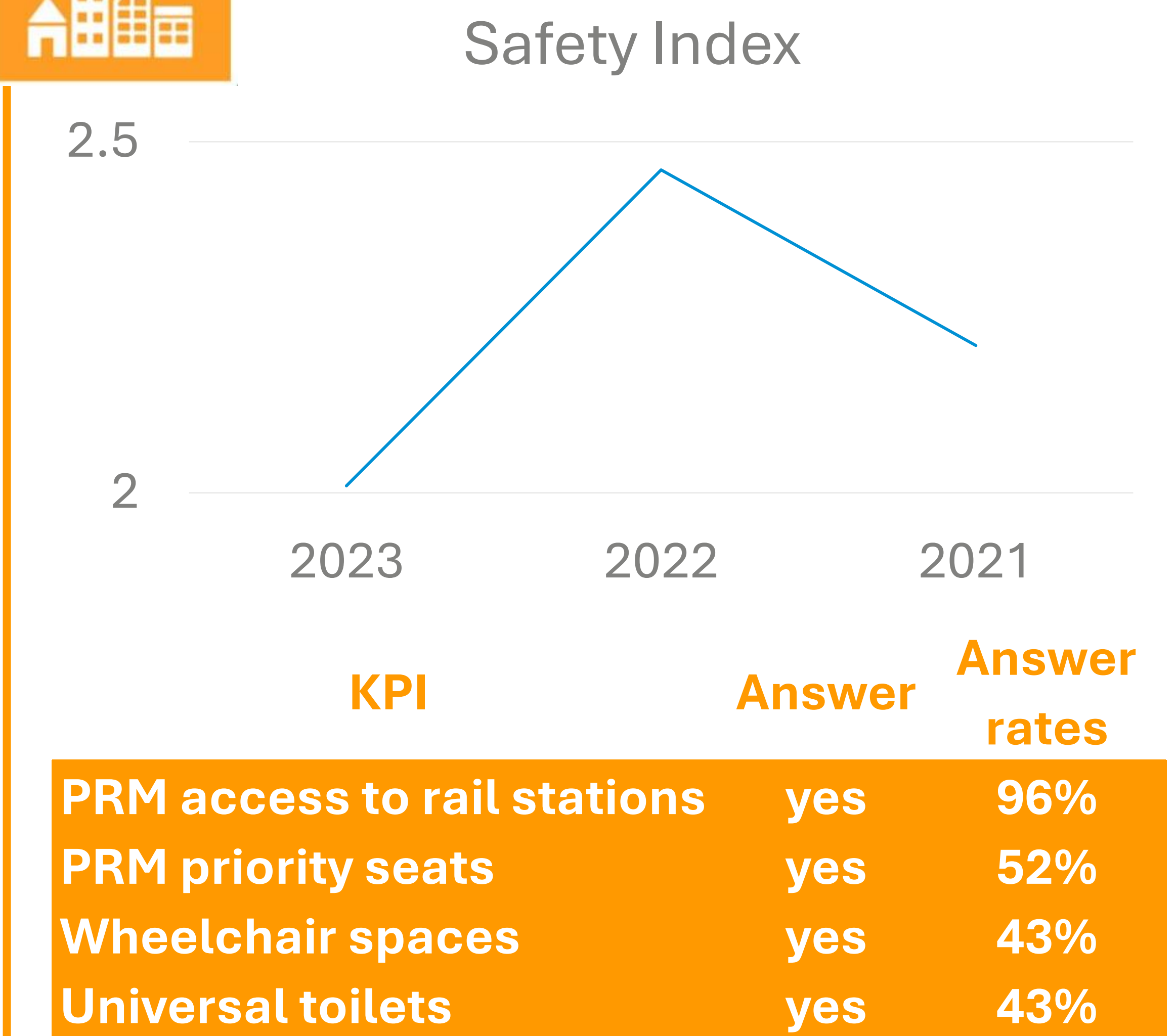
**All participating companies already have a non-discrimination code in place**



KPI	Answer	Answer rates
Gender gap : diversity and inclusion report	yes	94%
Equity pay target	yes	86%
Health and safety policy in place	yes	97%



KPI	Answer	Answer rates
Target of renewable energy	yes	89%



KPI	Answer	Answer rates
PRM access to rail stations	yes	96%
PRM priority seats	yes	52%
Wheelchair spaces	yes	43%
Universal toilets	yes	43%





- ✓ Rail's progress in advancing the UN 2030 Agenda
- ✓ Showcasing measurable achievements and real-world sustainability examples.
- ✓ Demonstrates rail's vital role in providing inclusive, efficient, low-carbon transport solutions
- ✓ Underscores the need for continued innovation and partnership to accelerate progress.



**Coming from:**

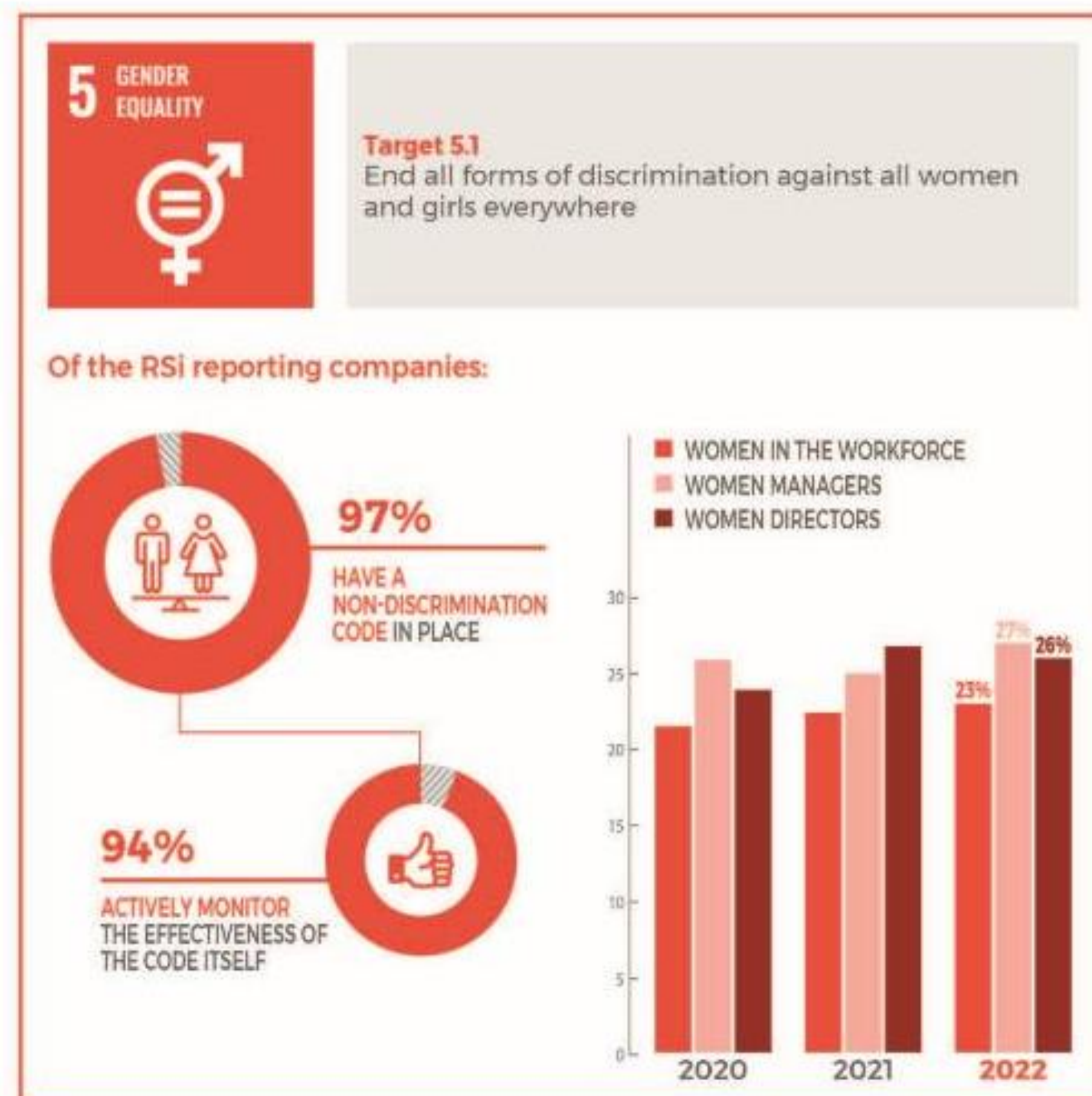
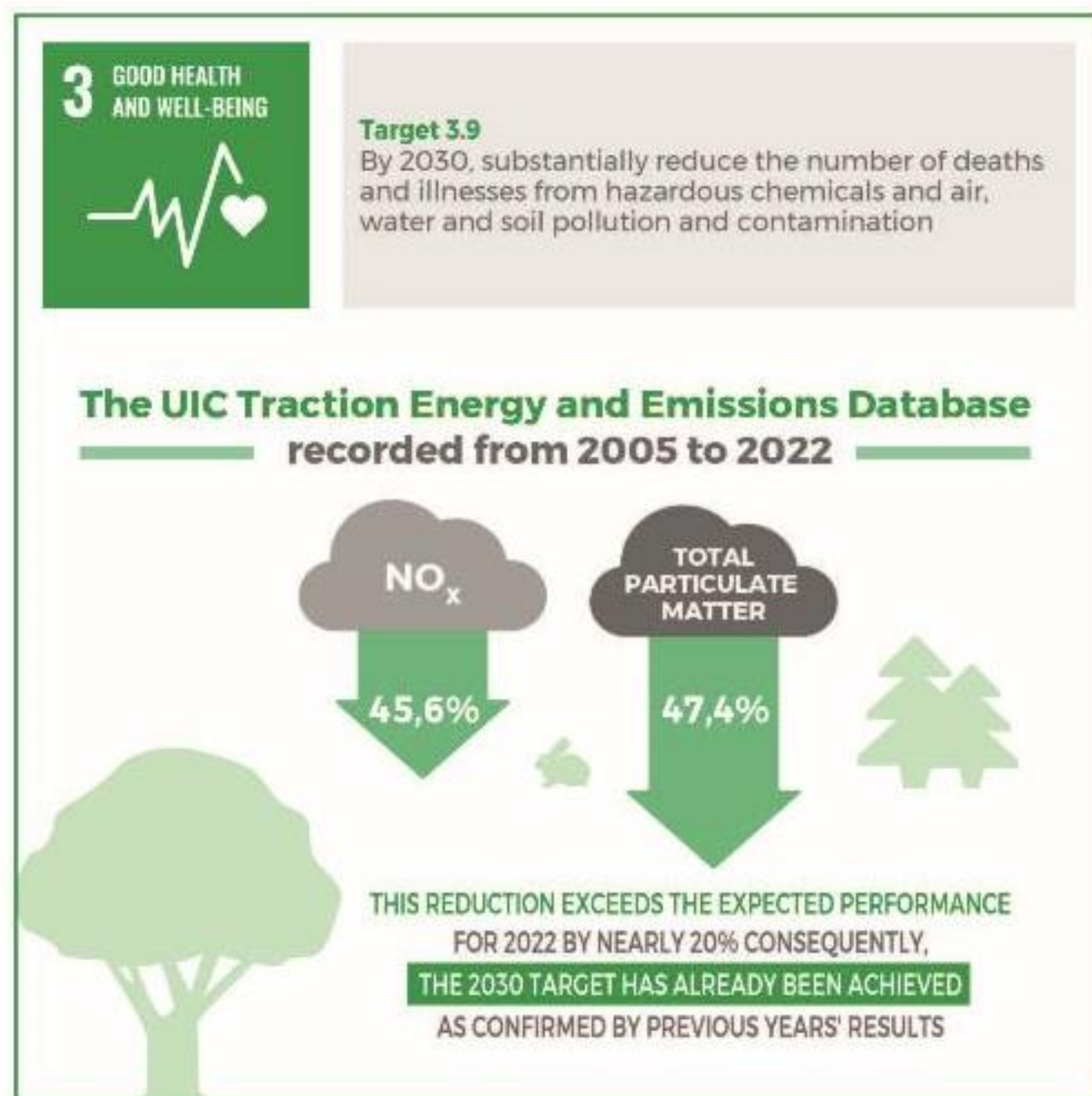


**Railisa**  
UIC STATISTICS

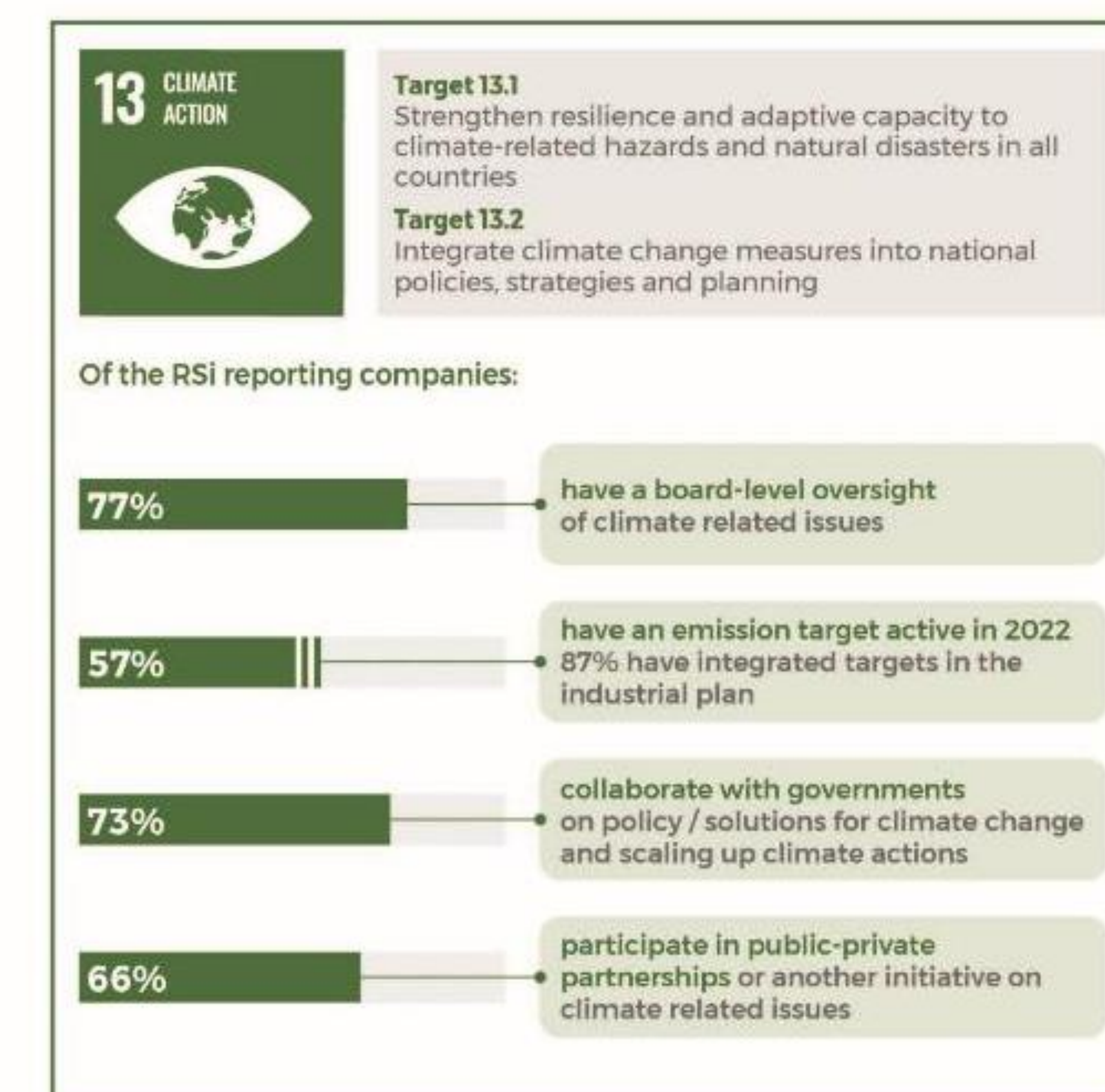
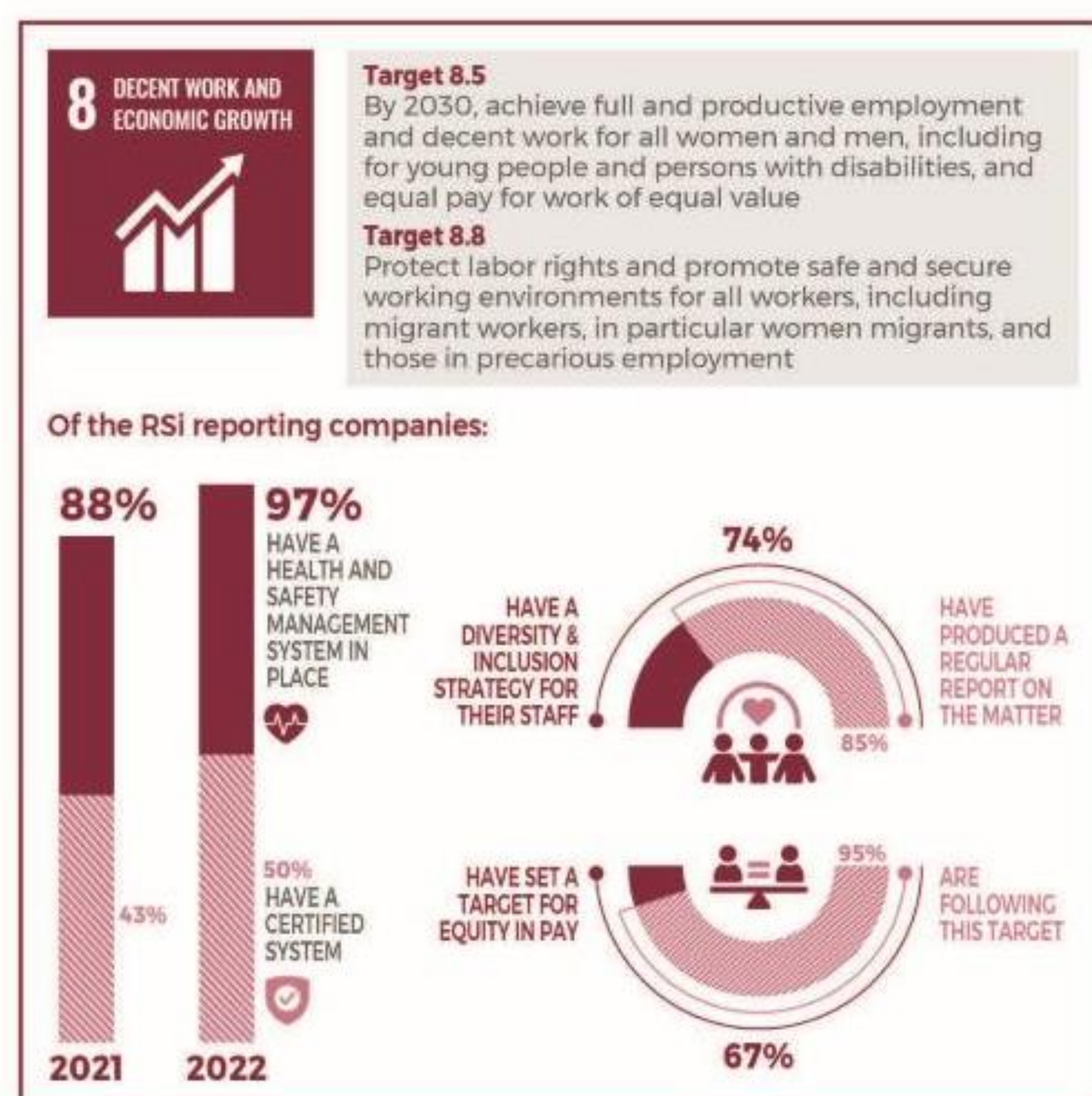
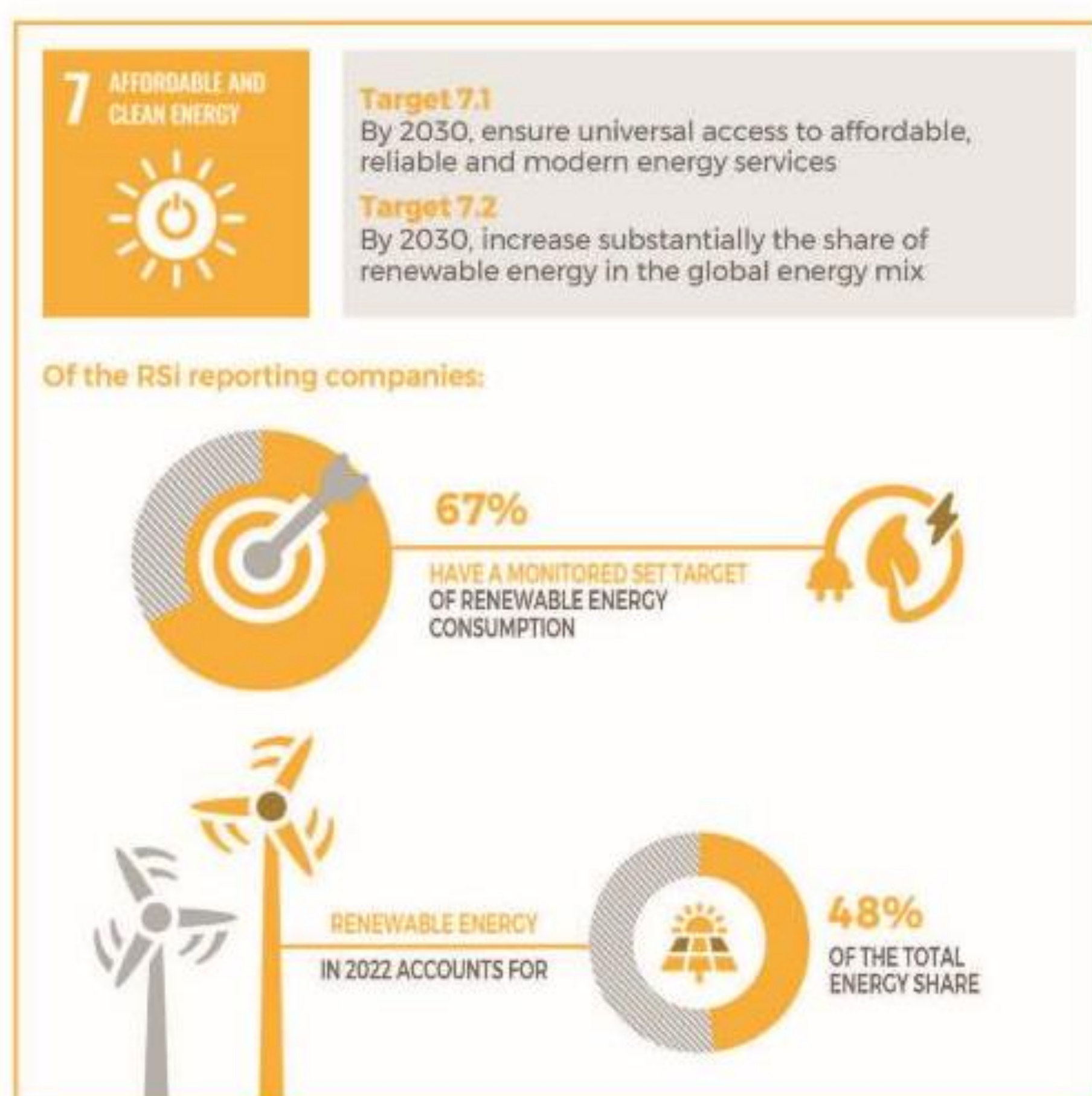
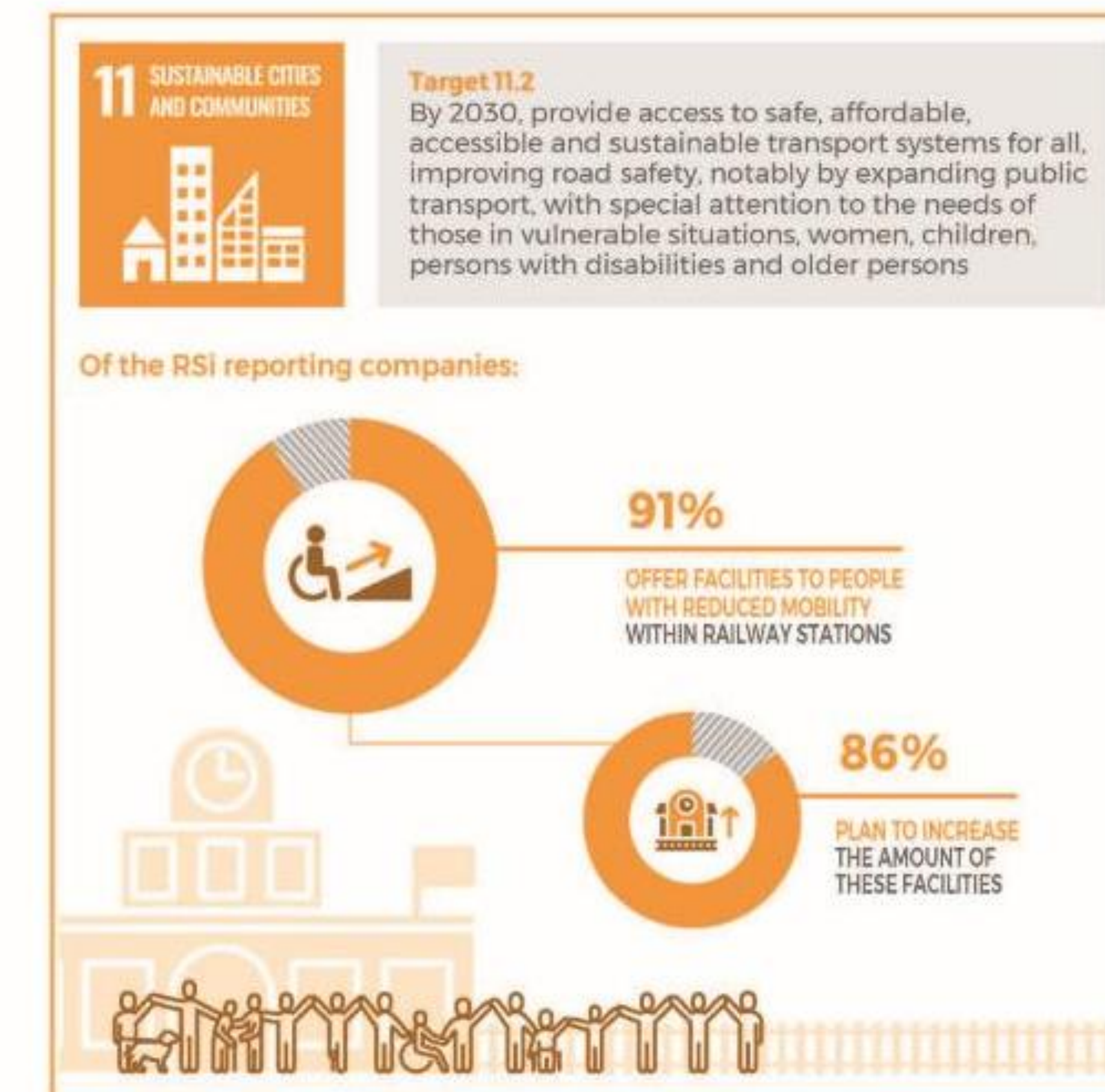
**Traction Energy and  
Emissions Database**



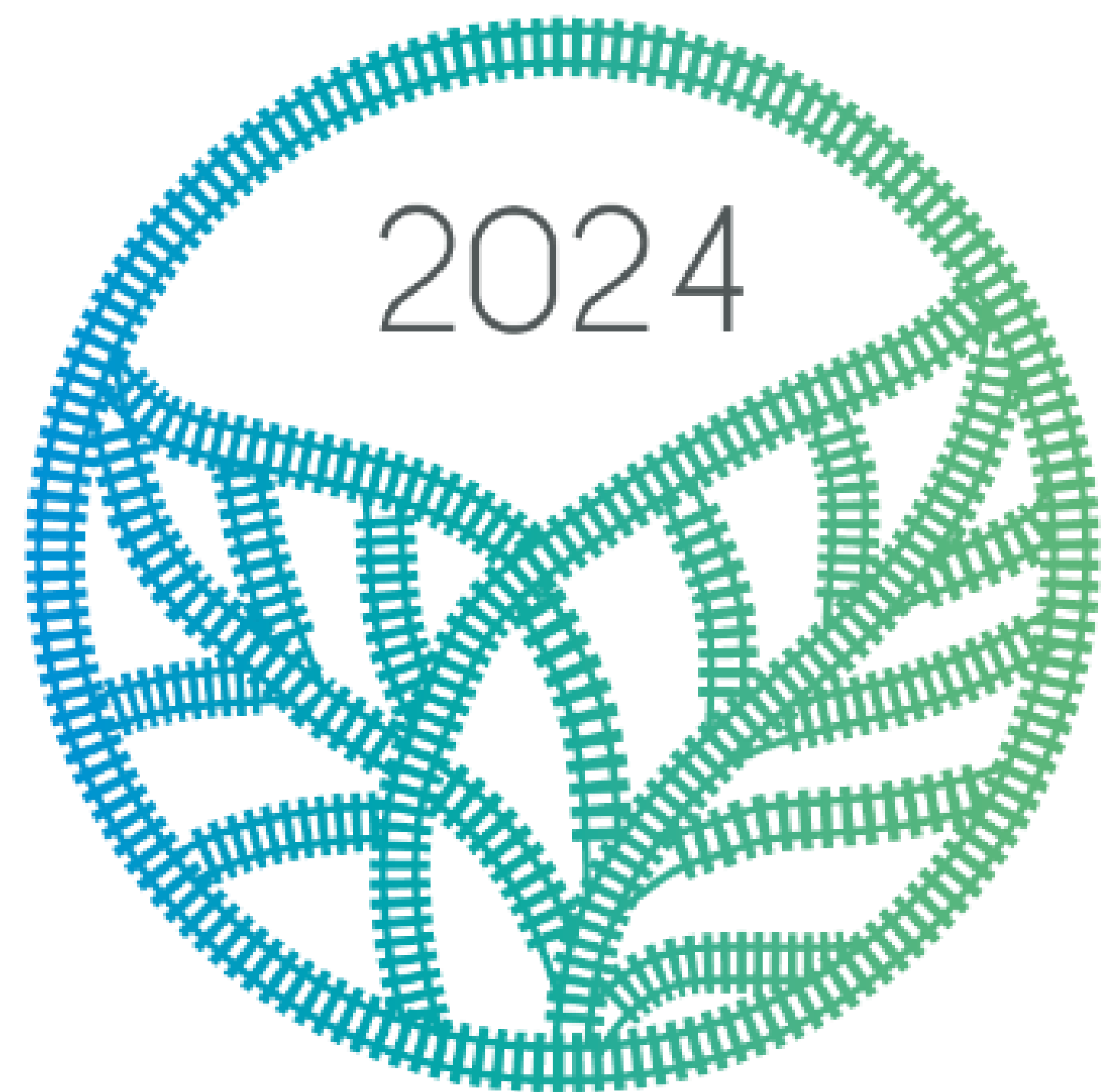




# RAIL SUSTAINABILITY 2023 AT A GLANCE







## UIC **SUSTAINABILITY IMPACT** Awards

The UIC Sustainability Impact Awards, in collaboration with the Sustainable Development Foundation, recognize outstanding sustainability achievements in the global railway sector.

The awards celebrate innovative projects aligned with the UIC 2030 vision and the UN Sustainable Development Goals, with a focus on impact in 2022-2023.



# The Categories and the 16 Short-listed candidates

Customer Service	Cities and Communities	Innovation
<p>Accessibility, Diversity and Inclusion</p>	<p>Healthy Cities and Communities</p>	<p>Energy and Decarbonisation</p>
<p>Climate Change Adaptation and Resilience</p>	<p>Modal Shift</p>	<p>Natural Resources</p>



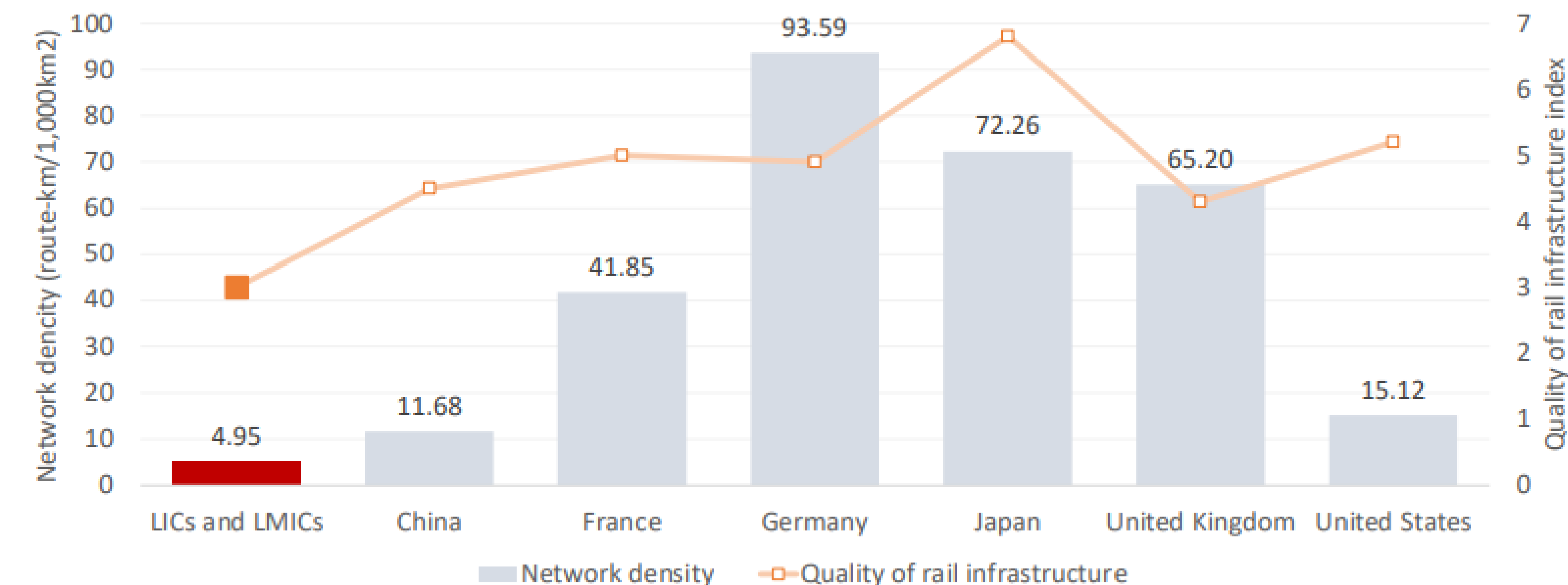
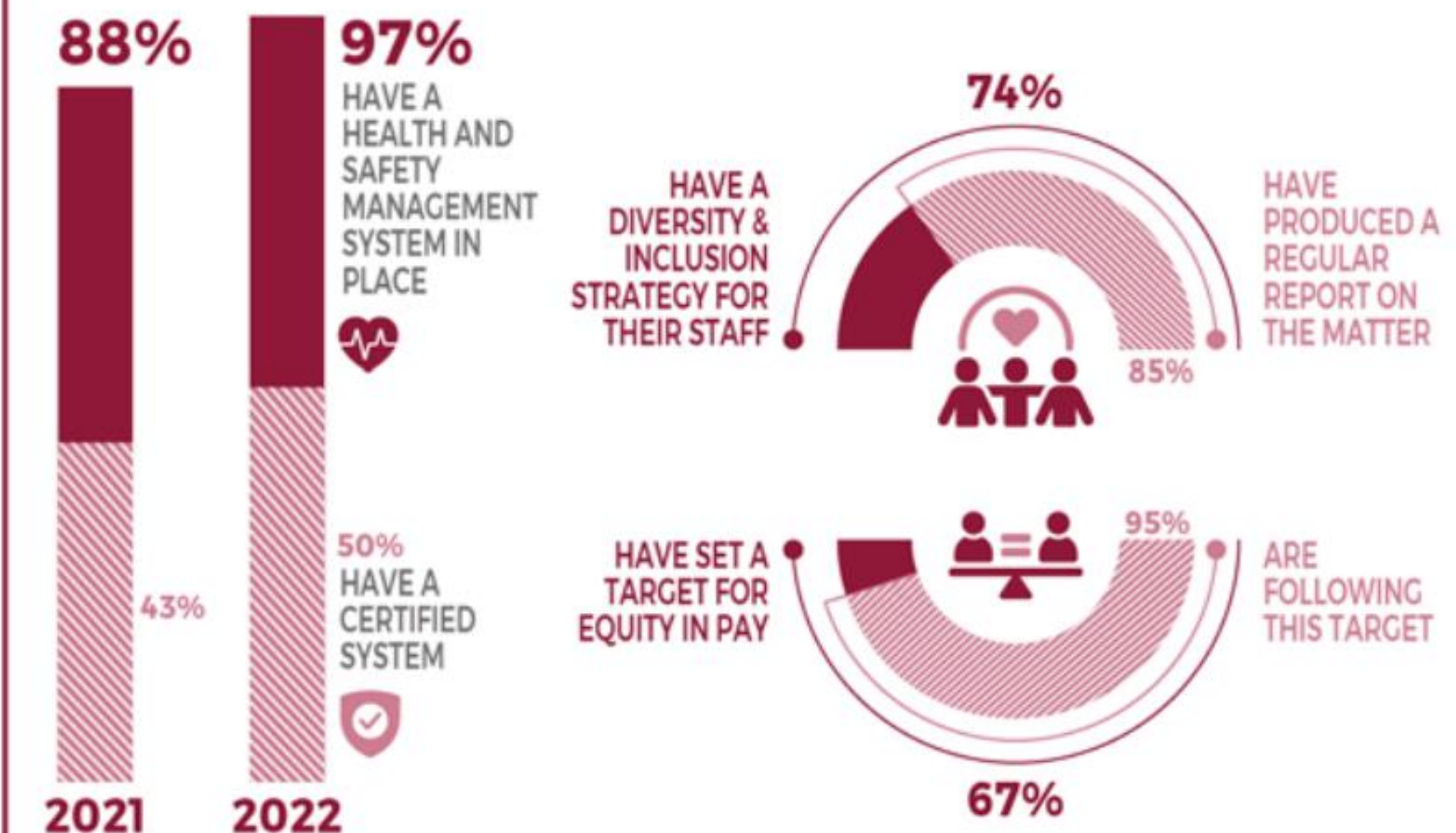
**Target 8.5:** By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value

**Target 8.8:** Protect labor rights and promote safe and secure working environments for all workers, including migrant workers, in particular women migrants, and those in precarious employment

**Table 1: Total workforce per world region, 2023, 2022 and 2021 (Railisa, UIC)**

Region	Number of companies	Total workforce
Africa	11	84,695
America	22	220,576
Asia	22	3,196,087
Europe	70	2,020,151
Oceania	3	12,436
<b>Global total</b>	<b>128</b>	<b>5,533,945</b>

Of the RSi reporting companies:



**Figure 3: Average rail network density and infrastructure quality of LICs and LMICs compared to world-leading countries**

#### Cardio-issue protected trains

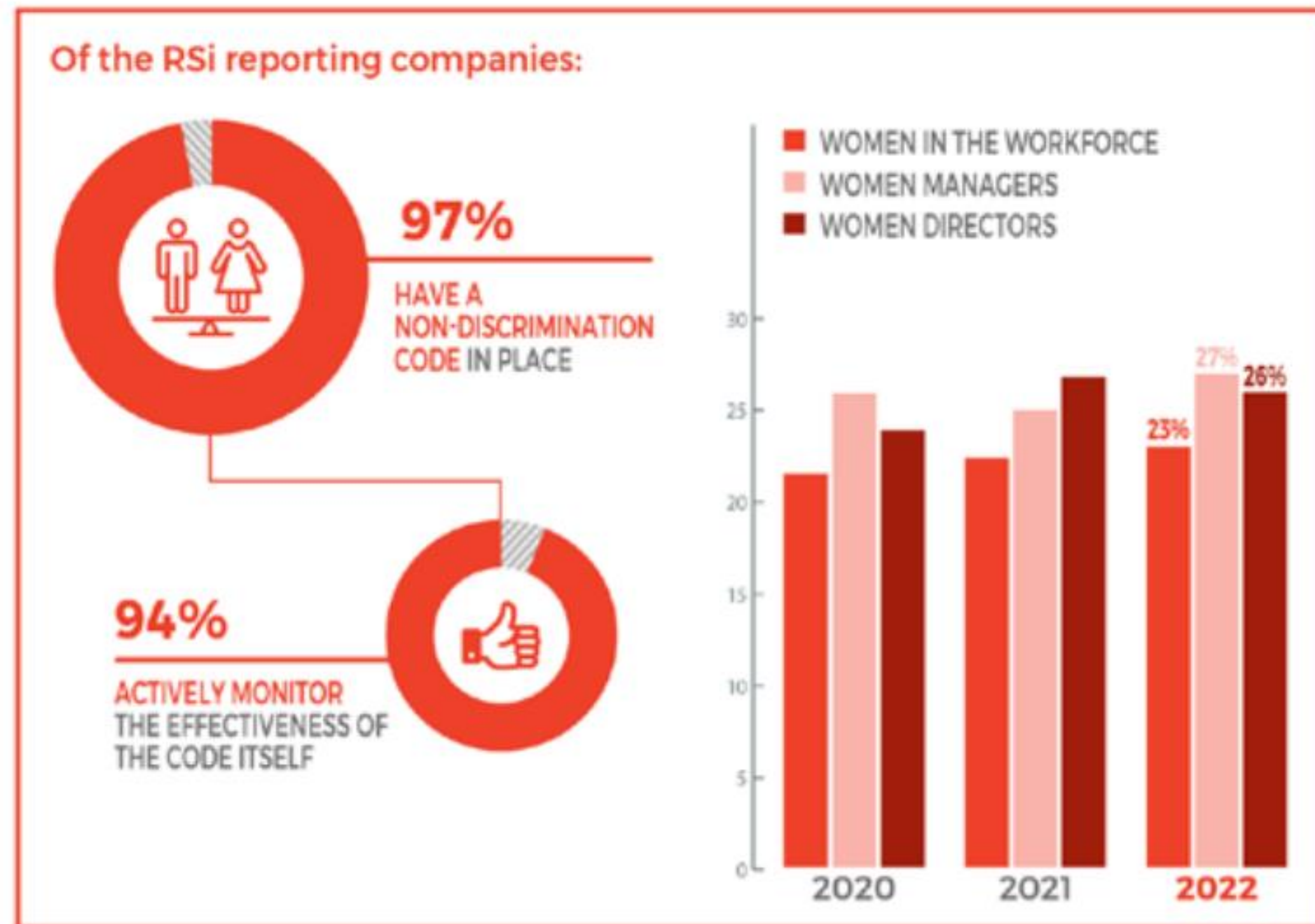
Railways have the opportunity to go the extra mile and support the health of customers and communities they serve. Italo has installed defibrillators on board all Italo trains, at all ticket offices/lounges and in all workplaces. Training in lifesaving and defibrillator use has been provided to all Italo employees.

This allows Italo trains and sites to be safer places, where qualified and rapid assistance in case of illness is provided. To date, 7 people have been successfully revived from cardiac arrest.



Credits: Gazzetta Dei Trasporti

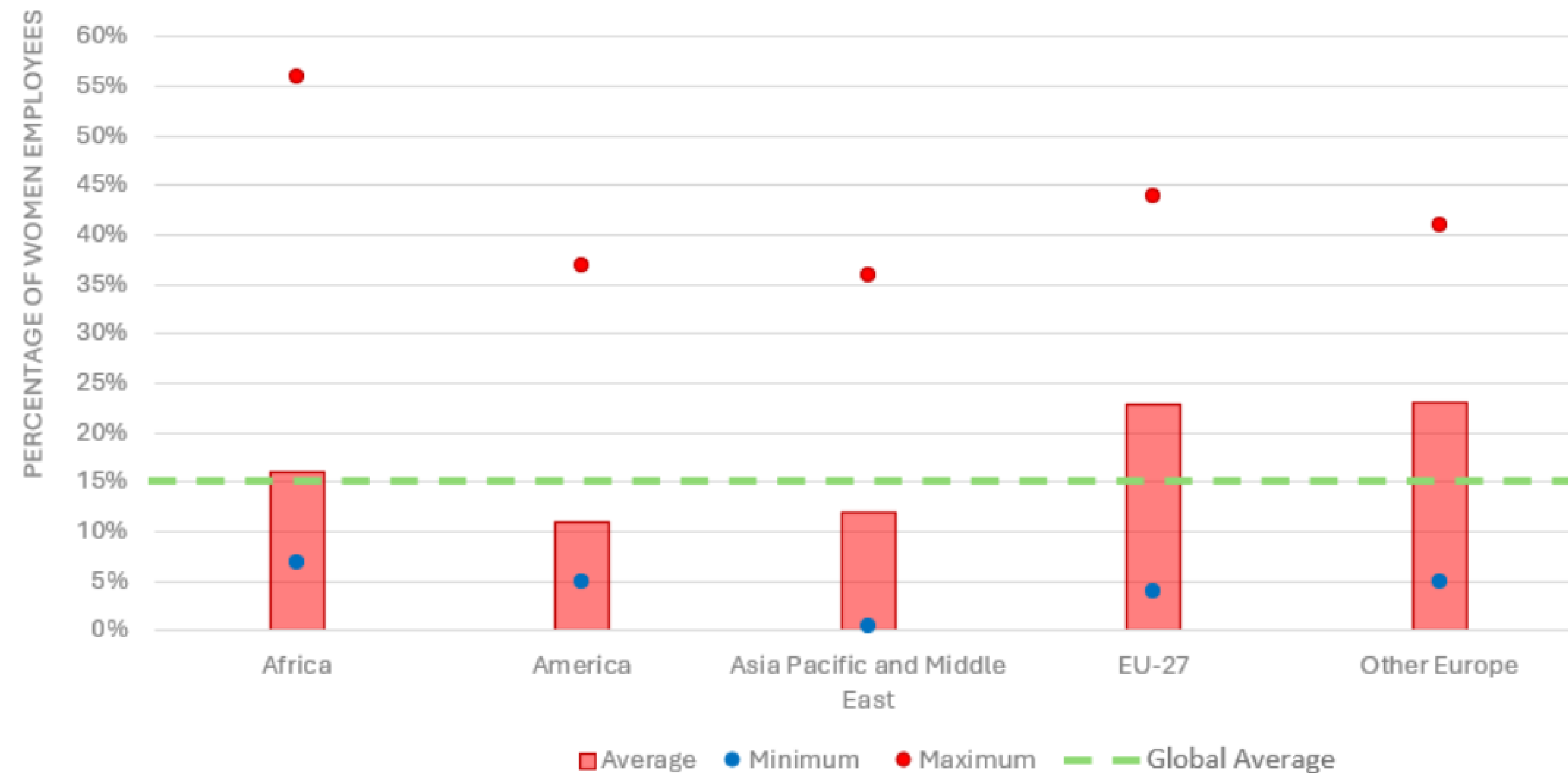




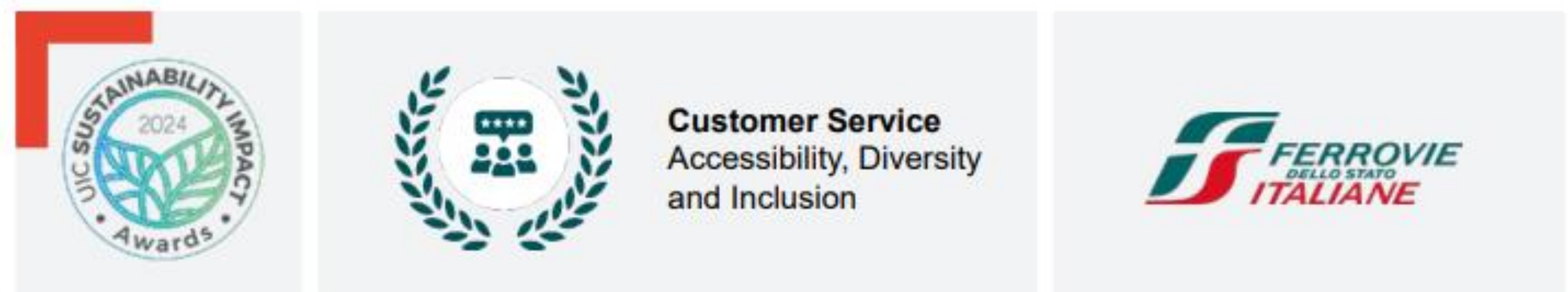
**Target 5.1:** End all forms of discrimination against all women and girls everywhere

**Target 5.c:** Adopt and strengthen sound policies and enforceable legislation for the promotion of gender equality and the empowerment of all women and girls at all levels

### Women Employment in Rail



**Figure 6: Women Employment in Rail, RailISA (UIC Statistics Platform) – estimated proportion of women in rail workforce - data since 2005 for some rail companies, total companies represents approximately 80% of the global market, UIC (2023)**



### Social campaign against sexual harassment in public places

The FS Group, in partnership with the “Right to Be” association, has developed a major awareness campaign against sexual harassment in public places, providing tools on how to behave in the event of harassment occurring.

The campaign was promoted by using railway assets, such as train monitors, stations, ticket machines, buses and stops, service areas along streets, and advertising panels displaying a QR code linked to the relevant information. FS also rolled out a programme of training for staff across the group.



Credits: Ferrovie dello Stato Italiane





**Customer Service**  
Climate Change  
Adaptation and  
Resilience



**Nature Based Solution - Living shoreline**

Lamberts Point in Norfolk, Virginia, is a critical marine terminal for railway operations. When the terminal faced flooding due to the considerable and increasing erosion rates at the nearby Elizabeth River shoreline, Norfolk Southern partnered with the Elizabeth River Project to develop a nature based solution in preference to a tradition hard engineering design. The project used a living shoreline to stabilise the area.

These efforts included using 2,300 cubic yards of sand, 24,000 marsh plantings, 2,000 cubic yards of stone and 90 cubic yards of oysters, creating a shoreline with sustainable protection against issues related to climate change.

By providing crucial protection against flooding for the railway's land and infrastructure, Norfolk Southern converted a challenging erosion issue into a collaborative win benefiting biodiversity.





Credits: Norfolk Southern



**Cities and communities**  
Modal Shift



**Transporting train cargo and SCM (supply chain management) projects**

JR East is supporting a growth in rail freight in new ways by using Shinkansen trains to deliver fresh regional specialties to urban customers.

In line with SDG 11, the initiative improves urban-rural connectivity supporting local food economies, and eases the burden on logistics providers suffering from labour shortages. Finally it supports Japan's target to achieve near-zero greenhouse gas emissions by 2050, encouraging rail freight instead of trucks.





Credits: East Japan Railway Company



**Cities and Communities**  
Modal Shift



**30/30 plan: new commuter and local services**

The Chilean railway 30/30 plan aims to connect inland communities with their regional capitals and nearby cities, with the purpose of supporting the expansion of new urban areas with better access to public transport.

The project targets bringing communities together that are approximately 30 kilometres or 30 minutes away by promoting fast, safe, accessible and sustainable services.

The first service became accessible to the public in June 2023, connecting the town of Pitrufquén with Temuco, the Araucanía region's capital, in 41 minutes. The service has been extended by 29.3 kilometres, with stops that benefit around 330,000 people.





Credits: Empresa de los Ferrocarriles del Estado (EFE)



**Cities and Communities**  
Healthy Cities and Communities



**Establishing a smart air quality management system**

KORAIL has introduced an advanced "Smart Air Quality Management System" into their stations, seamlessly integrating cutting-edge fine dust monitors, high-tech air purifiers, and interactive display devices for real-time measurement information. This innovative system ensures that the indoor air quality is precisely controlled by autonomously adjusting HVAC equipment and air purifiers based on fine dust particle levels. Furthermore, passengers receive real-time updates on fine dust levels, increasing their awareness and enabling them to trust the underground's air quality and to use the railway safely.





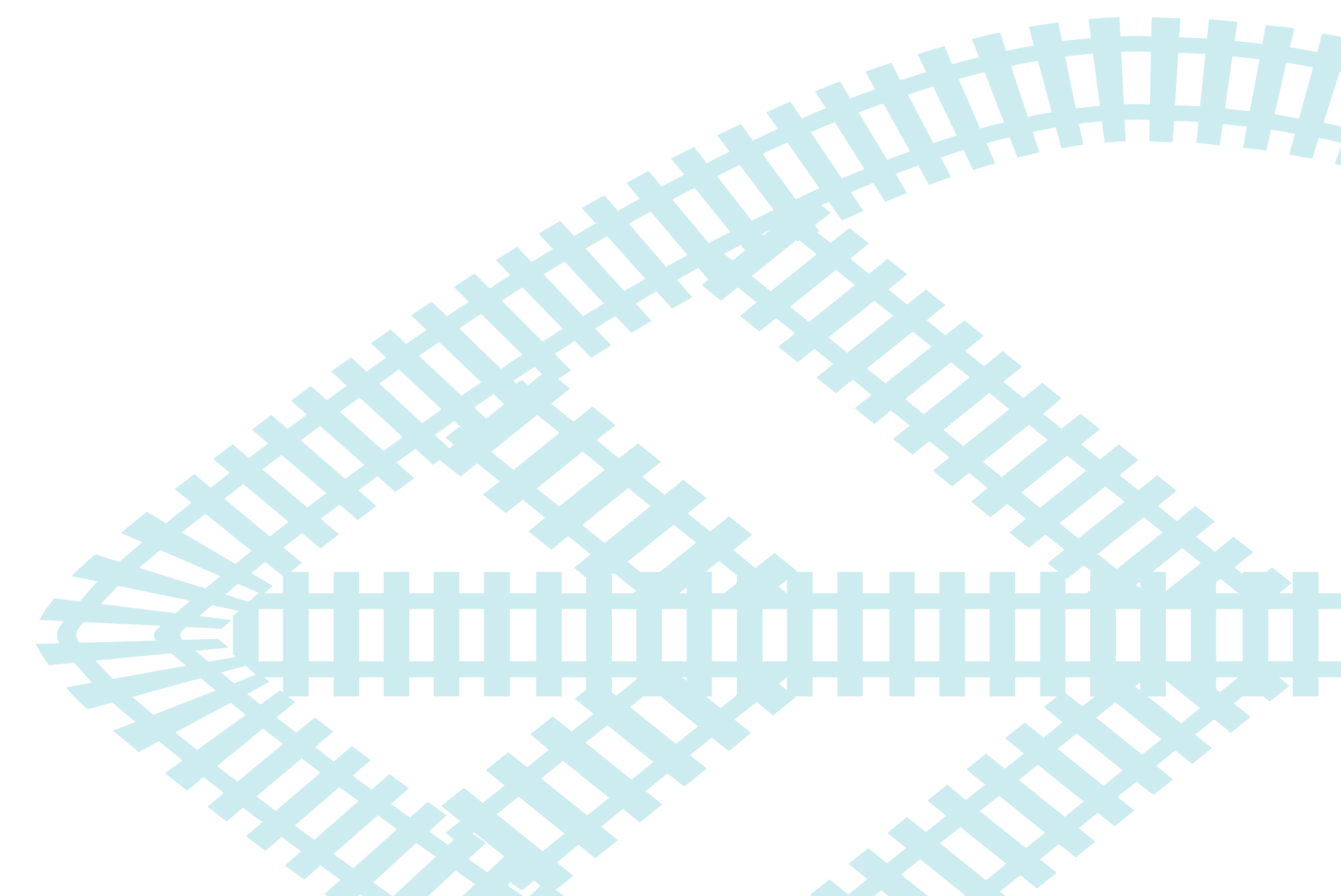
Credits: KORAIL





# **Sustainability Reporting is a good thing for the railways**

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**slido.com**  
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# Transparency or Greenwashing?



**Gabriel Castañares**

Management Systems  
Manager

**Renfe**



**Paolo Mazzeo**

Sustainability Reporting  
Senior Technical  
Manager

**EFRAG**



**Jeremie Joos**

Partner, ESG  
Reporting & ESG  
Transformation Lead

**KPMG France**



**Pia Orthen**

Head of  
Sustainability

**Jernhusen AG**



# World Cafe



## Circular Indicators

Isabelle and Ilse



## Rail Sustainability Index

Snejana and Lorenzo



## IRS30330

Jan and Philippe



A decorative graphic of green train tracks curving upwards from the bottom left towards the top left corner.

# THANK YOU FOR JOINING US

SHARE THOUGHTS ON THE SOCIALS  
WITH  
#UICSUSTAINABILITYACTIONWEEK

TAG US WITH @UICRAIL

## What's Next?

Join us tomorrow morning for

➤ **Sustainable Land Use in room  
203 from 9am**

➤ **Air Quality management in Rail in  
room 302 from 10am**

