

12th UIC Sustainability Conference



UIC vision for sustainable development and actions at Rio+ 20

Jean- Pierre Loubinoux,
Director General, UIC



The transport challenge....



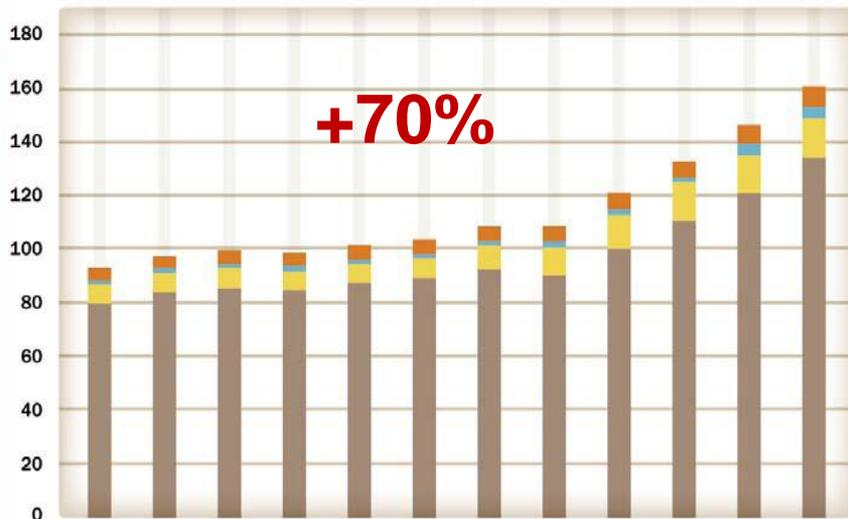
Transport is the fastest growing sector in terms of emissions



Transport CO₂ emissions in emerging economies

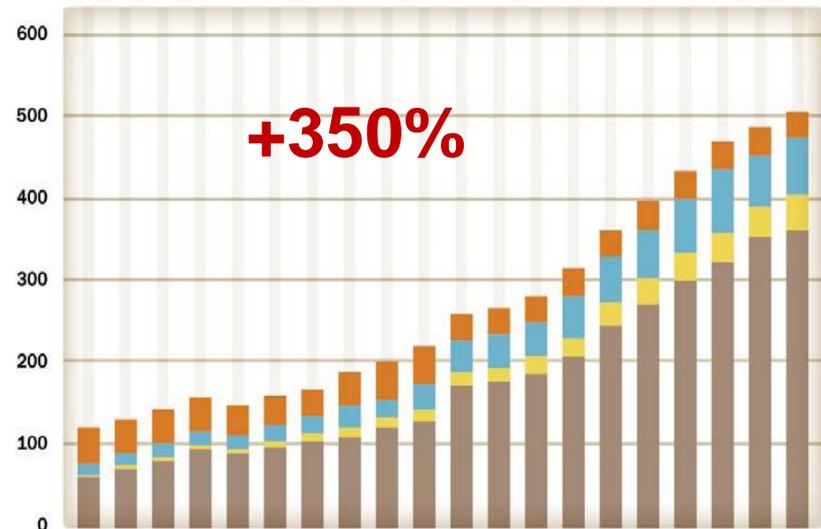
India

RAIL NAVIGATION AVIATION ROAD



China

RAIL NAVIGATION AVIATION ROAD



Rail as the one of the main actor of the solution..

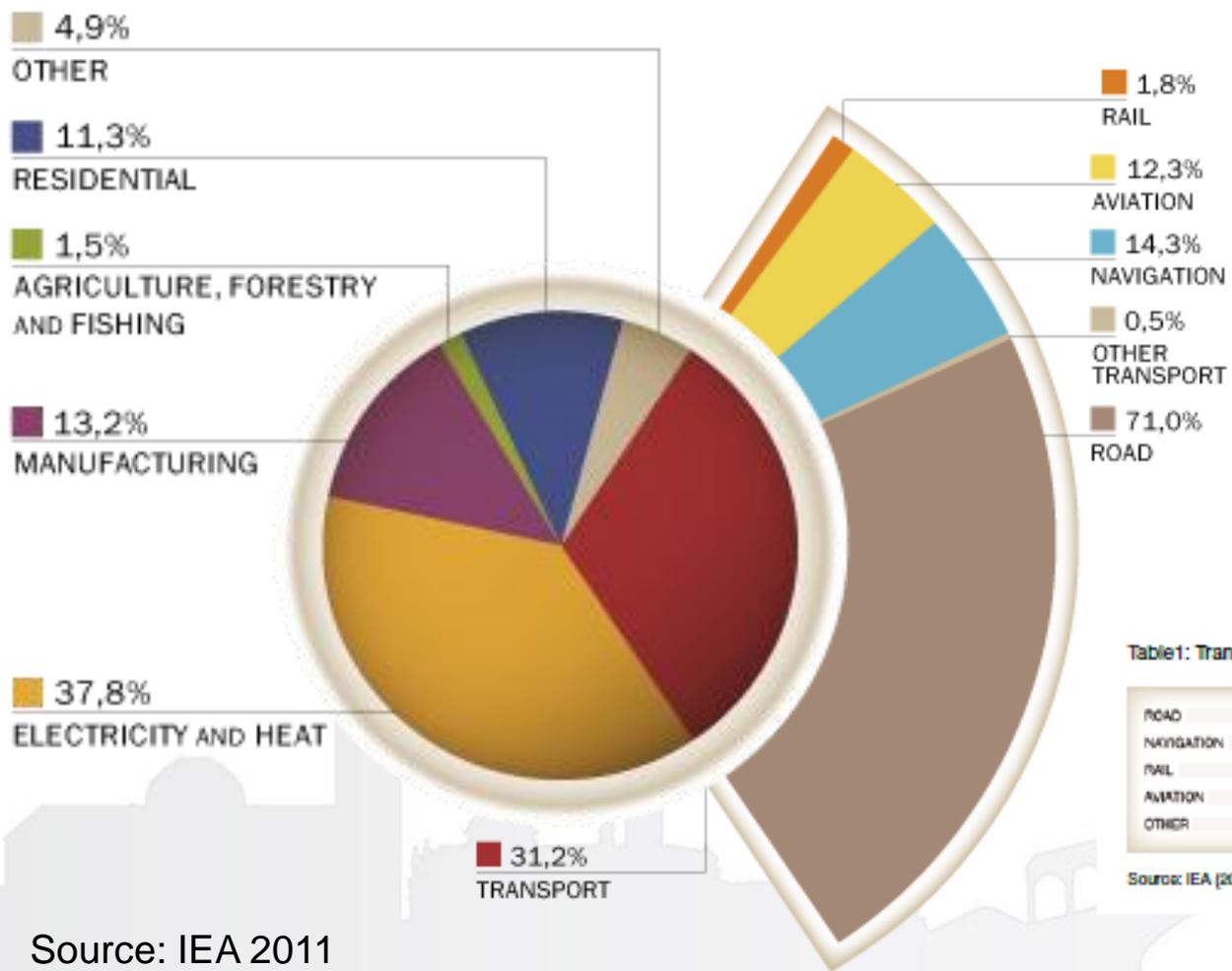


Table1: Transport modal share, 2009 (transport units)

ROAD	71.4%
NAVIGATION	15.0%
RAIL	7.1%
AVIATION	5.2%
OTHER	1.2%

Source: IEA (2011a) and UIC (2011b)

Source: IEA 2011

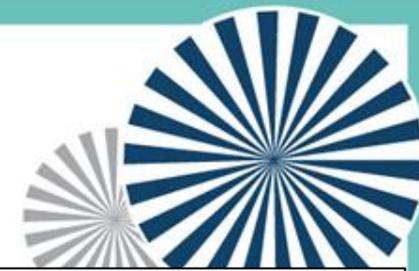
UIC Mission Statement



**To promote rail transport at world level
and meet the challenges of mobility and
sustainable development.**



A systematic approach: Strategy – Improvement – Communication



Strategy:

Improvement:

Carbon Footprint and environmental impact of Railway Infrastructure

Communication:

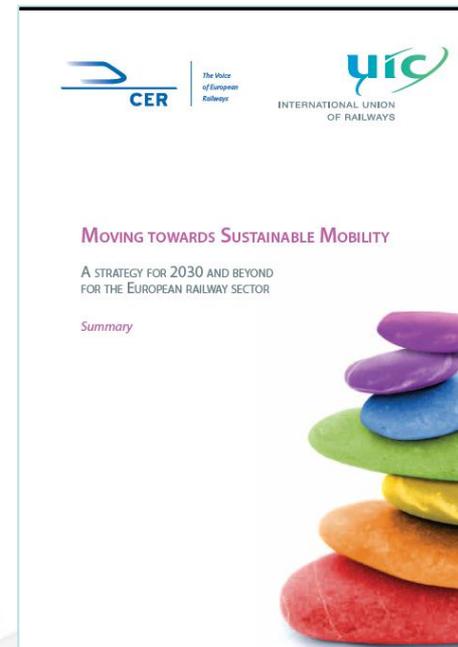
Strategy



The UIC Declaration for Sustainable Mobility



The EES Strategy for 2030 and beyond



The UIC Declaration on Sustainable Mobility & Transport



- Agreed by UIC members on December 2010
- Objectives
 - Sets out UIC vision for sustainable development
 - Asks UIC members to make a public declaration and provide regular progress reports

The declaration has 18 commitments in the economic, society and environmental fields

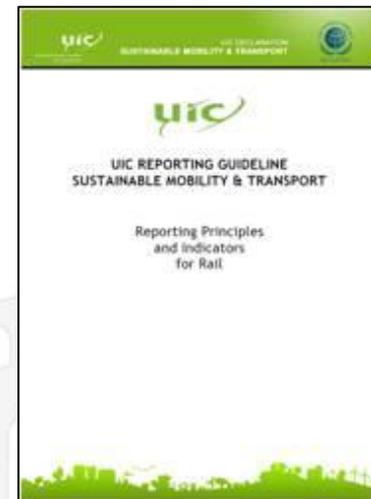
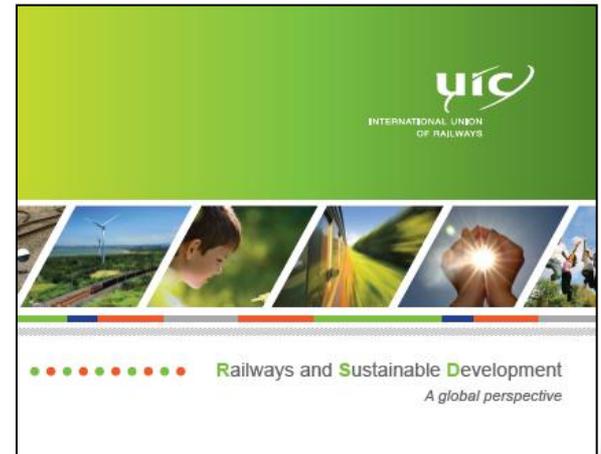


Signed by 50 UIC members, including Indian and Russian railways, JR-East and Chinese Ministry of Railways

Declaration – Progress Report



- UIC asked all signatories to the Declaration to provide case study examples to illustrate progress on the commitments.
- These responses contributed to the first UIC sustainability report, published in 2012. Selected highlights are presented in the next slides.
- UIC has also published a set of indicators to help members produce their own sustainability reports



Highlights from our members



- Renewable energy investments include a “Solar Tunnel” in Belgium where solar panels cover a railway tunnel eight football fields in length
- Innovative approaches to wildlife management including providing nesting sites on catenary poles to protect rare birds in Bulgaria



Highlights from our members



- Accessibility improvements for persons of reduced mobility, e.g. assistance for rail passengers across Europe
- Roll-out of WiFi on many rail services e.g. the Acela Express service on the North East corridor of the United States and Thalys service in Europe



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Highlights from our members



- Railways are stable and attractive employers. Chinese and Indian Railways are two of the largest employers in the world with 2 million and 1.65 million staff respectively
- Railways try to attract a more diverse workforce. For example the SNCF “Equal Opportunity Train” tours the country promoting careers in rail to less advantaged areas



UIC at Rio+20



- Objectives

- Help put sustainable transport on the table during Rio+20, working with partner organizations
- Have positive text on railways included in the final political agreement



Activities before Rio+20



- The Rio+20 Earth Summit was prepared over a two year period
- UIC provided written inputs, arranged workshops at UN events and encouraged members to participate at the national level



Activities at Rio+20 - Highlights

UIC Side Event - Sustainable Transport in the Cities of the Future

Date/Time: Friday 15th June, 13:30 – 15:00

This side event, organized and Chaired by UIC, explored the **sustainability challenges facing urban areas today and in the future, and how sustainable transport can meet these challenges**. Other speakers included UIC, [UITP](#), [UNIFE](#), the Japan International Transport Institute and EMBARQ. Over 70 people attended.



Activities at Rio+20 - Highlights



Conference Speaker:
**Global Forum on Human Settlements
and Electric Mobility**

Date: Monday 18th June

UIC Director General Jean-Pierre
Loubinoux made a presentation at an
important Conference on Electric Mobility
held as an associated event at Rio+20.



Activities at Rio+20 - Highlights



UIC / UITP / UNIFE Half-Day Workshop - Sustainable Transport in the Cities of the Future

Date/Time: Tuesday 19th June 09:00 – 14:00

This half-day workshop welcomed over 70 transport professionals, national government and UN officials, journalists and other stakeholders, to showcase ways in which transport can contribute to a green economy. Speakers included the President of FeTransport, the CEO of Brazilian railway association EDLP, UIC Director General Jean-Pierre Loubinoux, and a representative of the Colombian city of Bogota.



Activities at Rio+20 - Highlights



Evening Reception: Sustainable Transport in the Cities of the Future

Date / Time : Tuesday 19th June, 19:00 - 22:00

UIC, UNIFE, UITP and the SLOCAT Partnership welcomed 80 guests to a high-level evening cocktail reception for diplomats, UN officials, national government representatives, transport professionals and the media. The event will celebrate the many different Voluntary Commitments that have been developed by the sustainable transport sector, coordinated by the SLOCAT partnership. Guest of Honour was Mr. Paulo Sergio Passos, Federal Minister of Transport.



Activities at Rio+20 - Highlights

Joint Statement with UITP and UNIFE: Sustainable Transport in the Cities of the Future

Launched on 20 June 2012

This statement set out the challenges facing mobility in cities and puts forward the key rail and public transport messages to decision makers at Rio+20.



Sustainable Transport in the Cities of the Future

In an increasingly urbanised world, how we shape the future of transport will be decisive for how sustainably our cities will develop in the future.

Rio – 20 years on

Two decades after the original Earth Summit, Heads of State will meet again to plot the path to sustainable development and a green economy at Rio +20.

A green economy will help provide a pathway out of poverty for millions of people and mitigate many of the risks associated with environmental damage, resource shortages and climate change.

Cities are fundamental to this green shift as they are the powerhouses of the global economy. They concentrate 80% of the world economic output; are home to half of the world's population and are key engines of job creation and innovation. At the same time, they are the largest consumers of natural resources and the biggest sources of CO₂, emissions and pollution on the planet.

Cities of the future will define the quality of life for 60% of the world's population in less than 20 years. Fast urban population growth - associated with urban sprawl - generates more and longer daily trips in cities, which exerts significant pressure on transport infrastructure and natural resources, in particular in emerging economies.

Efficient mobility in cities is the most important issue facing urban development today and essential to a green economy.

What lies ahead for our cities

Global demand for mobility is growing rapidly, especially in developing countries, with the number of cars on the road expected to double by 2025. More miles driven by more private vehicles in our cities will come at a huge cost, resulting in

a significant increase in energy use, congestion and CO₂ emissions.

If current mobility patterns prevail - marked by the dominance of private motorised vehicles - then emissions from urban transport will increase by 30%, affecting not only climate change but also risking economic development and adversely affecting quality of life.

We need to reassess the way we travel and find ways to move the growing number of people more efficiently. Shifting from private motorised modes to sustainable mass transport (rail, metro, light rail and bus) will help reconciling economic, environmental and social policy priorities - which is the very definition of a green economy.

This new mobility paradigm will redefine the cities of the future.

Sustainable transport: the engine of a green economy

Sustainable mass transport is the backbone of any successful city. Those cities which are making decisions that put them onto a low carbon, sustainable pathway will reap considerable benefits in the future.

Driving the economy

A thriving city economy is dependent on the movement of people and goods. By increasing connectivity and linking employers and their workforce or retailers and their customers, sustainable mass transport generates business activity and boosts the productivity of the urban economy.

Congestion worldwide costs economies an estimated 1 to 3% of GDP - the cost of moving to a green economy. By using urban space more efficiently, sustainable mass transport alleviates congestion and increases travel time reliability.

Outcomes: Voluntary Commitments



- The UN encouraged all participants at Rio+20 to make a Voluntary Commitment
- The most important commitment for transport was a coalition of developmental banks committing **\$175 billion, over ten years, toward sustainable transport projects worldwide.**
- UIC submitted our **Declaration on Sustainable Mobility and Transport** as the international railway sector's Voluntary Commitment for Rio+20.



Side event promoting voluntary agreements in the transport sector, Rio+20, 2012

Outcomes: Political Agreement



- The most important outcome of Rio+20 was a document called “The Future We Want”, in which Parties to the Rio+20 conference agreed a high-level strategy for sustainable development.
- Paragraph 133 states the following:
We support the development of sustainable transport systems, including energy efficient multi-modal transport systems, notably public mass transportation systems



United Nations



RIO+20
United Nations Conference
on Sustainable Development

Rio de Janeiro, Brazil
20-22 June 2012

A/CONF.216/L.1*

Distr.: Limited
19 June 2012
Original: English

Agenda item 10
Outcome of the Conference

The future we want

I. Our common vision

1. We, the Heads of State and Government and high-level representatives, having met at Rio de Janeiro, Brazil, from 20 to 22 June 2012, with the full participation of civil society, renew our commitment to sustainable development and to ensuring the promotion of an economically, socially and environmentally sustainable future for our planet and for present and future generations.
2. Eradicating poverty is the greatest global challenge facing the world today and an indispensable requirement for sustainable development. In this regard we are committed to freeing humanity from poverty and hunger as a matter of urgency.
3. We therefore acknowledge the need to further mainstream sustainable development at all levels, integrating economic, social and environmental aspects and recognizing their interlinkages, so as to achieve sustainable development in all its dimensions.
4. We recognize that poverty eradication, changing unsustainable and promoting sustainable patterns of consumption and production and protecting and managing the natural resource base of economic and social development are the overarching objectives of and essential requirements for sustainable development. We also reaffirm the need to achieve sustainable development by promoting sustained, inclusive and equitable economic growth, creating greater opportunities for all, reducing inequalities, raising basic standards of living, fostering equitable social development and inclusion, and promoting integrated and sustainable management of natural resources and ecosystems that supports, inter alia, economic, social and human development while facilitating ecosystem conservation, regeneration and restoration and resilience in the face of new and emerging challenges.
5. We reaffirm our commitment to make every effort to accelerate the achievement of the internationally agreed development goals, including the Millennium Development Goals by 2015.

* Reissued for technical reasons on 22 June 2012.

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Did we meet our objectives at Rio+20?



- Objectives

- Help put sustainable transport on the table during Rio+20, working with partner organizations

- Achieved by the SLoCaT partnership working together – UIC played an important part in this

- Have positive text on railways included in the final political agreement

- Partially achieved. Text was favourable to public mass transportation systems

Next Steps



- UIC has been invited to join a working group preparing the UN Secretary General's High Level Panel on Sustainable Transport
- UIC is following closely the development of Sustainable Development Goals, which were promised at Rio+20 and will be launched in 2014

Conclusion: The railway commitment to sustainability



“We will strive to deliver a transport mode with a strong sense of responsibility and to raise our levels of customer satisfaction and for rail to become an increasingly preferred transportation mode...

This will be achieved by further improving safety, reliability, punctuality, cleanliness, comfort, and environmental advantage...

On this basis, we will seek to play our full part in supporting the fundamental social infrastructure for each country in the world for many years to come”

UIC Declaration on Sustainable Mobility, 2010





Thank you for your kind attention!

Jean Pierre Loubinoux, UIC Director General
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