



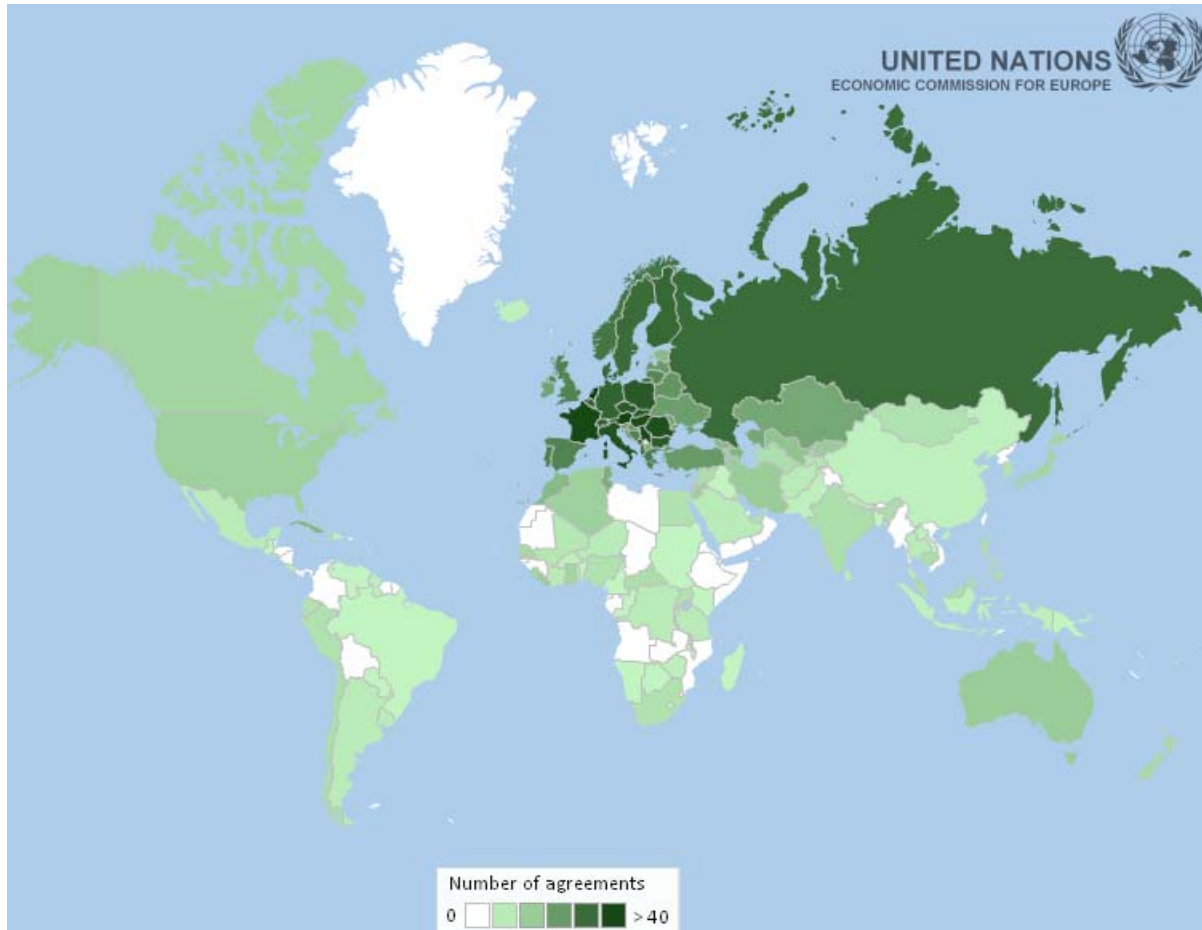
United Nations Economic Commission for Europe  
Transport Division

# FISITA World Automotive Summit 2011

Mainz, 17 November 2011

Eva Molnar





**UN Transport Conventions and Agreements per country**



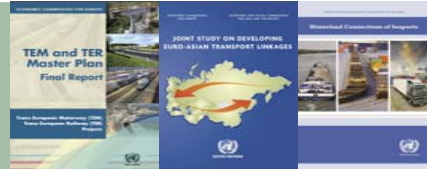
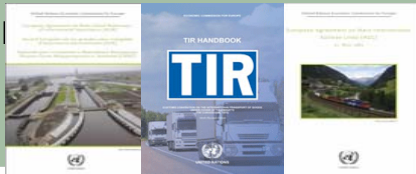
# Transport for Sustainable Development and Economic Integration

## UNECE Legal Instruments and standards

## UNECE Analytical work and Capacity building

## UNECE Governance structure

Access



*Customs and Transport (WP.30)*  
*Transport Trends and Economics (WP.5)*  
*Trade Committee (CT)*  
*CEFACT Committee*

Affordability



*Transport Trends and Economics (WP. 5)*  
*Committee on Economic Competition and Innovation (CECI)*

Safety



*Road Safety Forum (WP. 1)*  
*WP on transport of dangerous goods*  
*Working Party on Railway Transport (SC.2)*  
*Inland Waterway transport (SC.3 and WP.3)*

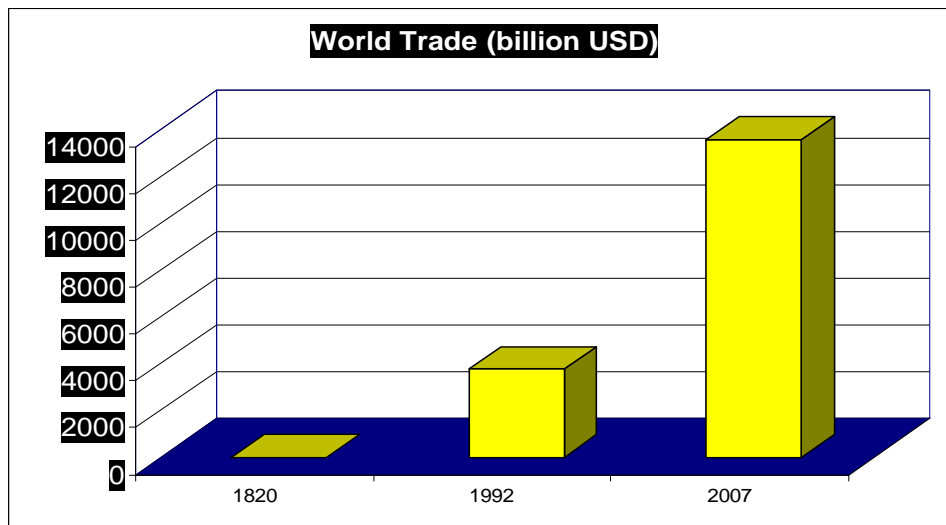
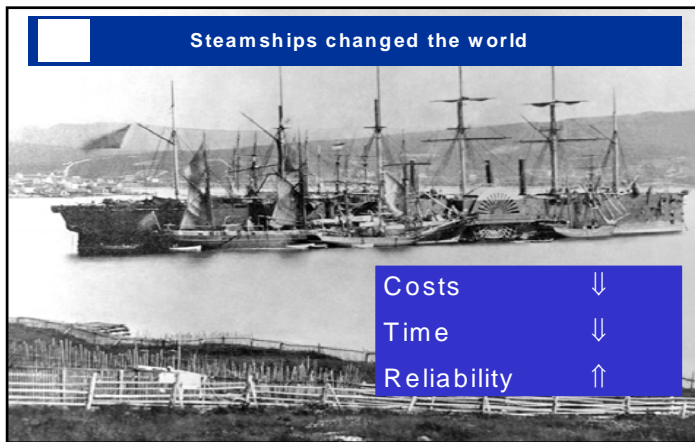
Environment



*World Forum for Vehicle Regulations (WP.29)*  
*THE PEP -Transport, Health and Environment. Pan-European Programme.*

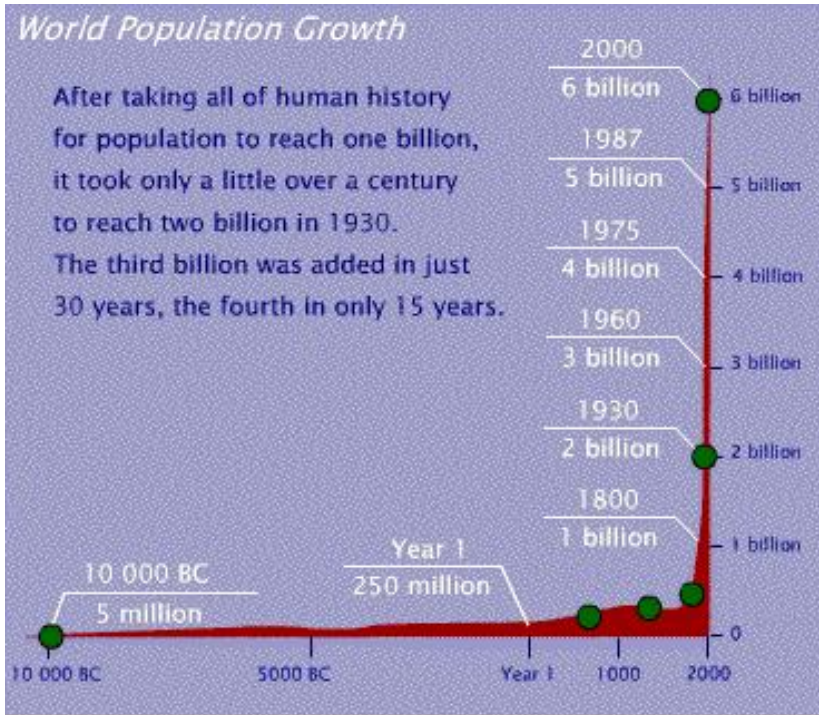


# 541-fold increase of trade



- Vessels become bigger
- Containers meant a new revolution in transport efficiency

# Fast population growth - mostly in cities



80 percent of the World Population in cities

**2011 October :  
7 billion people**

**1 billion or more motorized vehicles**



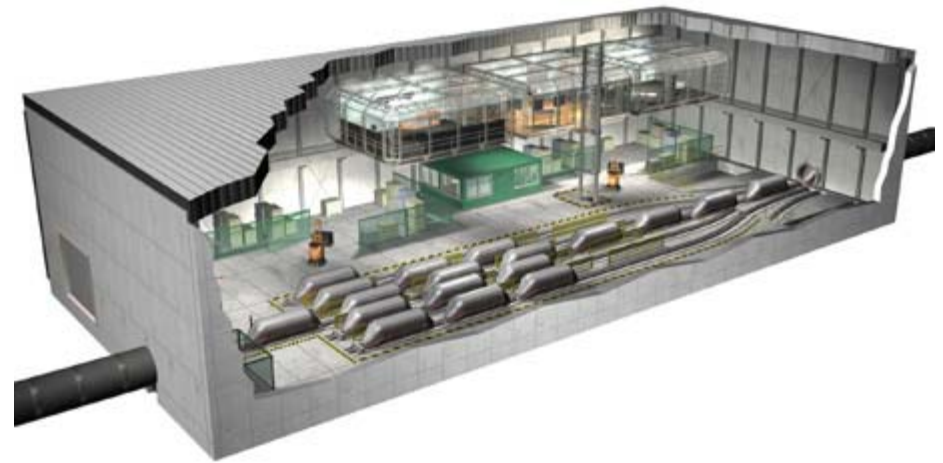
# Limits to transport growth

## The sustainability demand:

- Shift from transport to mobility
- Be safe
- Be climate neutral
- Minimize local pollution
- Be efficient time- and moneywise

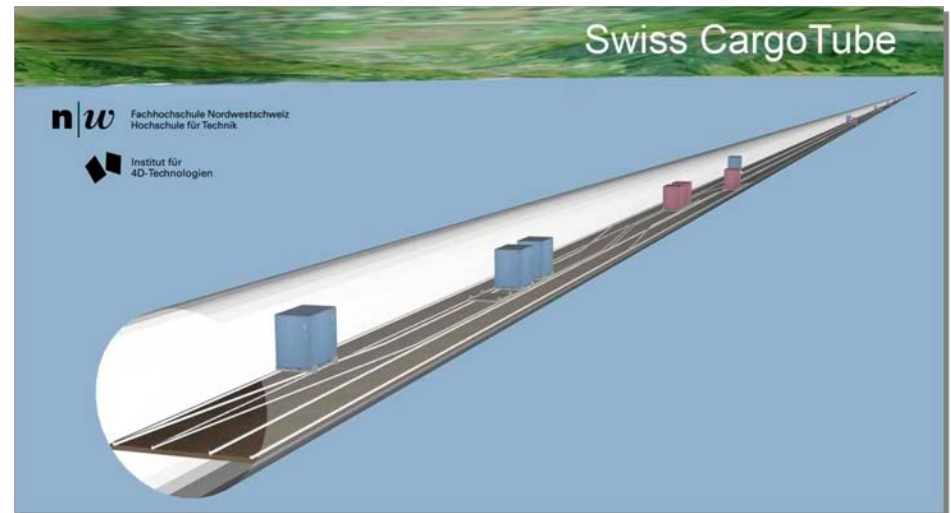


## Cargo Cap/Cargo Tube - new mode of transport?



## What is the future for:

- freight transport
- passenger mobility?



# Innovative Infrastructure



**Green and light side walks**

**Piano stairs at metros**



**Protected bicycle lanes**

# Let Nature In



Soeul



**‘Green infrastructure’,  
literally: photovoltaics,  
Barcelona**



Future

UNECE - Transport Division



# Or go wild in congested cities...

- Is it the coming age of flying cars?

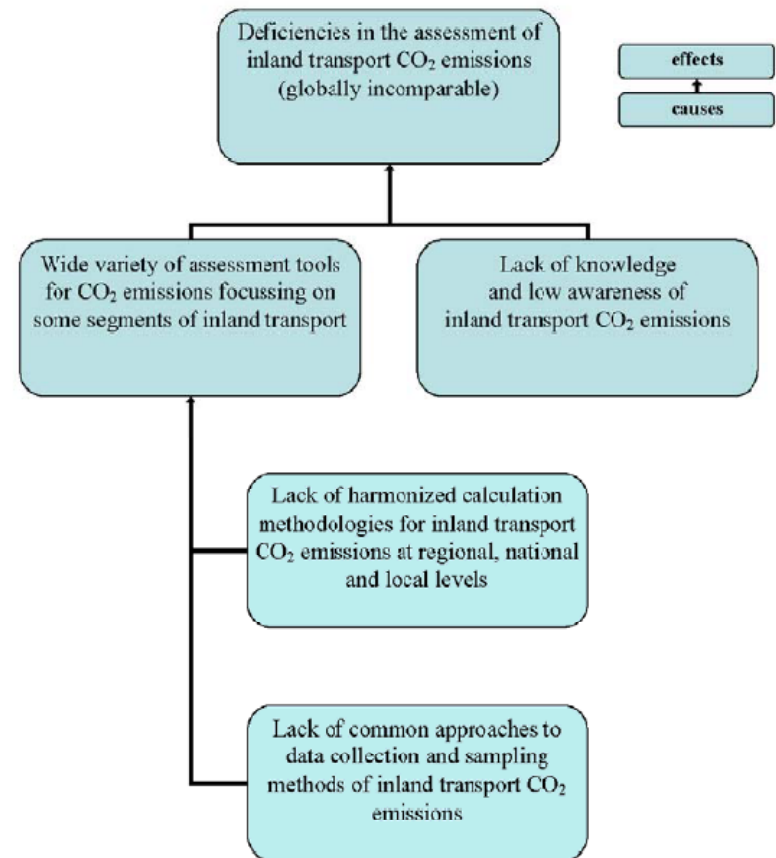


Or, will it just be a replacement of combustion engine by electric one



## *Assessing the CO<sub>2</sub> emissions from inland transport*

1. Global project: 2011-2013
2. Status Report
3. Data collection recommendations
4. Review of existing tools
5. Uniform methodology for the monitoring of inland transport CO<sub>2</sub> emissions
6. Transport Policy Converter
7. Pilots



## UNECE WP.29 (2008) - a possible strategy for climate change mitigation :

2015. 30% increase of energy efficiency of all new vehicles with the current combustion engine technology

2020. full introduction into the global market of new environmentally friendly vehicles (e.g. plug-in hybrid electric vehicles hydrogen and fuel-cell vehicles)

2040. full introduction into the global market of electric vehicles





# ROAD Safety

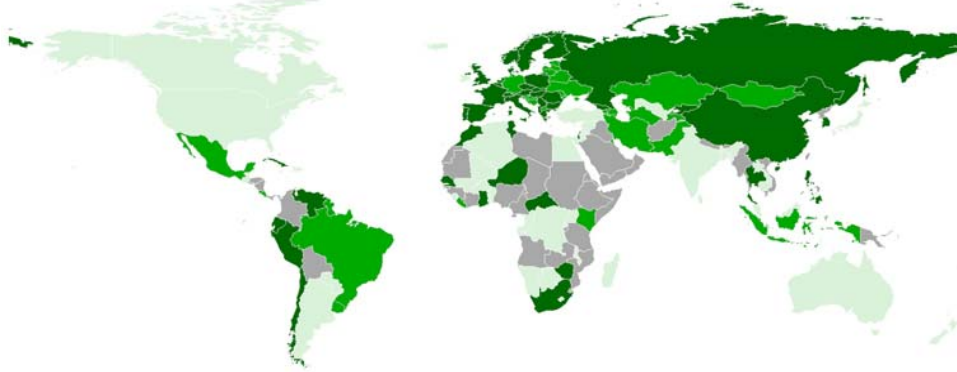
## Decade of Action 2011-2020



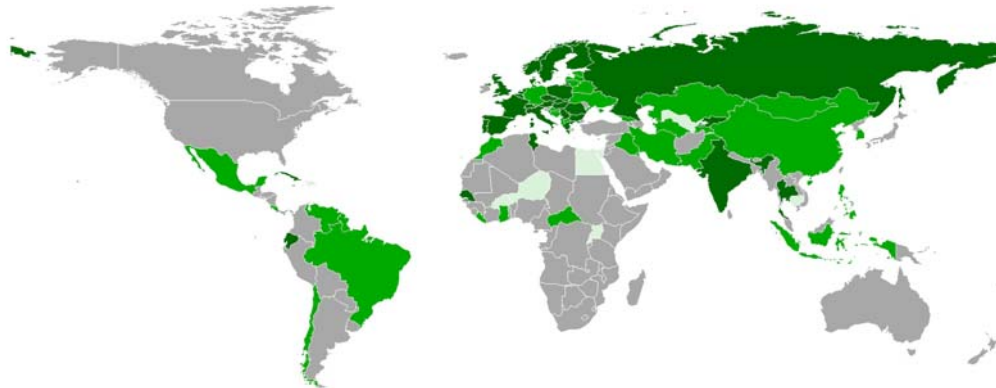


# UNECE's Road Safety Agenda

## Contracting parties to the Conventions on Road Traffic



## Contracting parties to the Conventions on Road Signs and Signals



## UNECE's Goals for the UN Decade of Action: 2011-2020

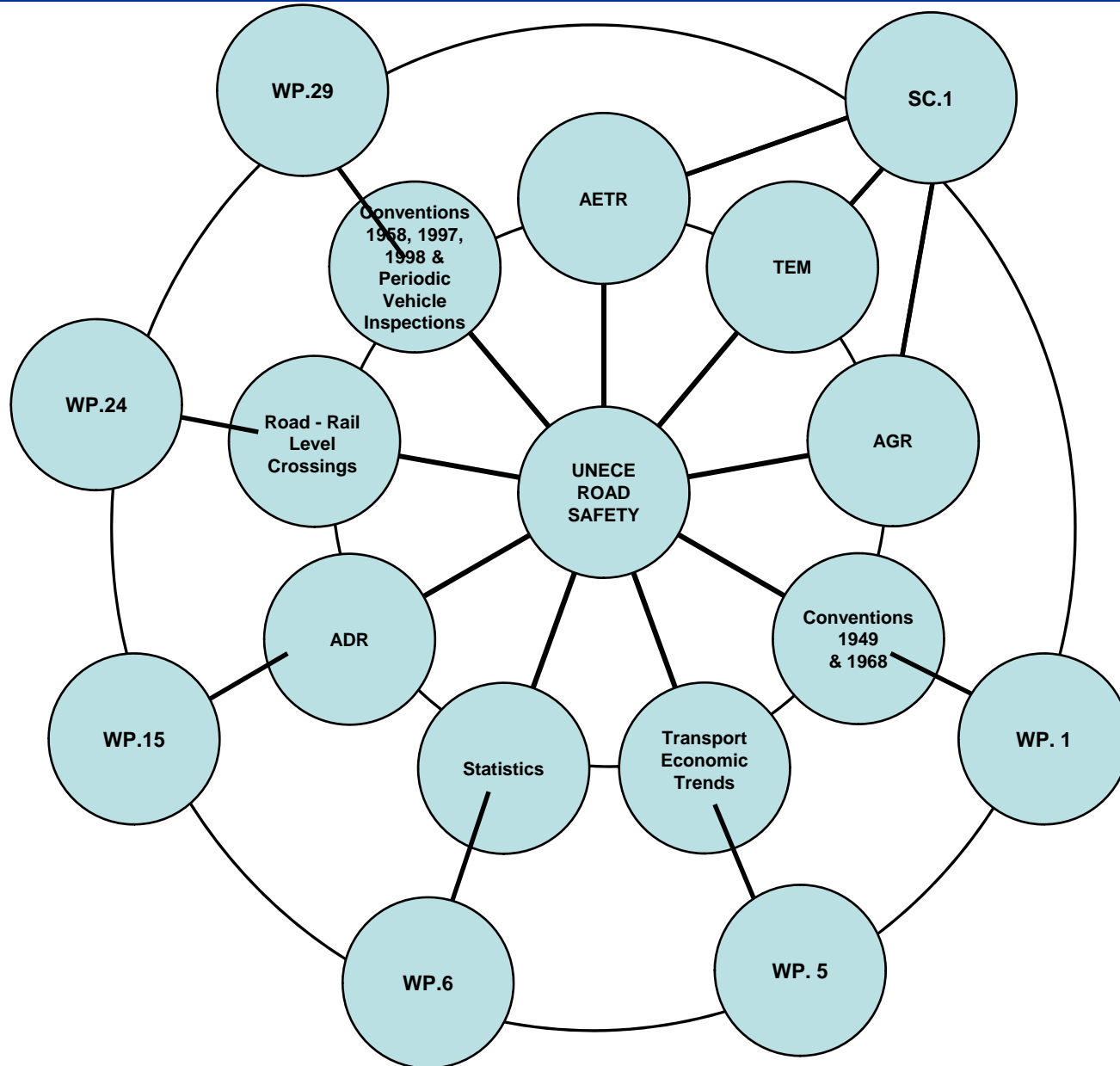
- To ensure widest possible geographical coverage of UNECE road safety international legal instruments
- To make progress in stabilizing and reducing road traffic fatalities in the ECE region and beyond
- To assist countries in the ECE region and beyond in implementing the UN Decade of Action for Road safety





UNITED NATIONS

# UNECE's 360 ° approach to Road Safety





# UNECE Strategy Package for ITS

- 3 parts
  - Background paper
  - Strategic note
  - Road Map
- Developed in partnership: Italy, Germany
- Comments from stakeholders



- **UNECE Vision**
  - Limits to transport growth in the old way
  - Convergence
  - Future Inland Transport to be shaped by policy makers
- **Gaps / obstacles / stumbling blocks to ITS deployment**







# UNECE Road Map: What actions

1. Reaching common definition for ITS
2. Harmonizing policies
3. Forging international cooperation
4. Facilitating inter-operability and the ITS architecture
5. Ensuring data security
6. Scaling up the work on ITS in all Working Parties of the UNECE Inland Transport Committee
7. Promoting vehicle to infrastructure communication
8. Promoting vehicle to vehicle communication
9. Fighting the road traffic safety crisis
10. Addressing the liability concerns



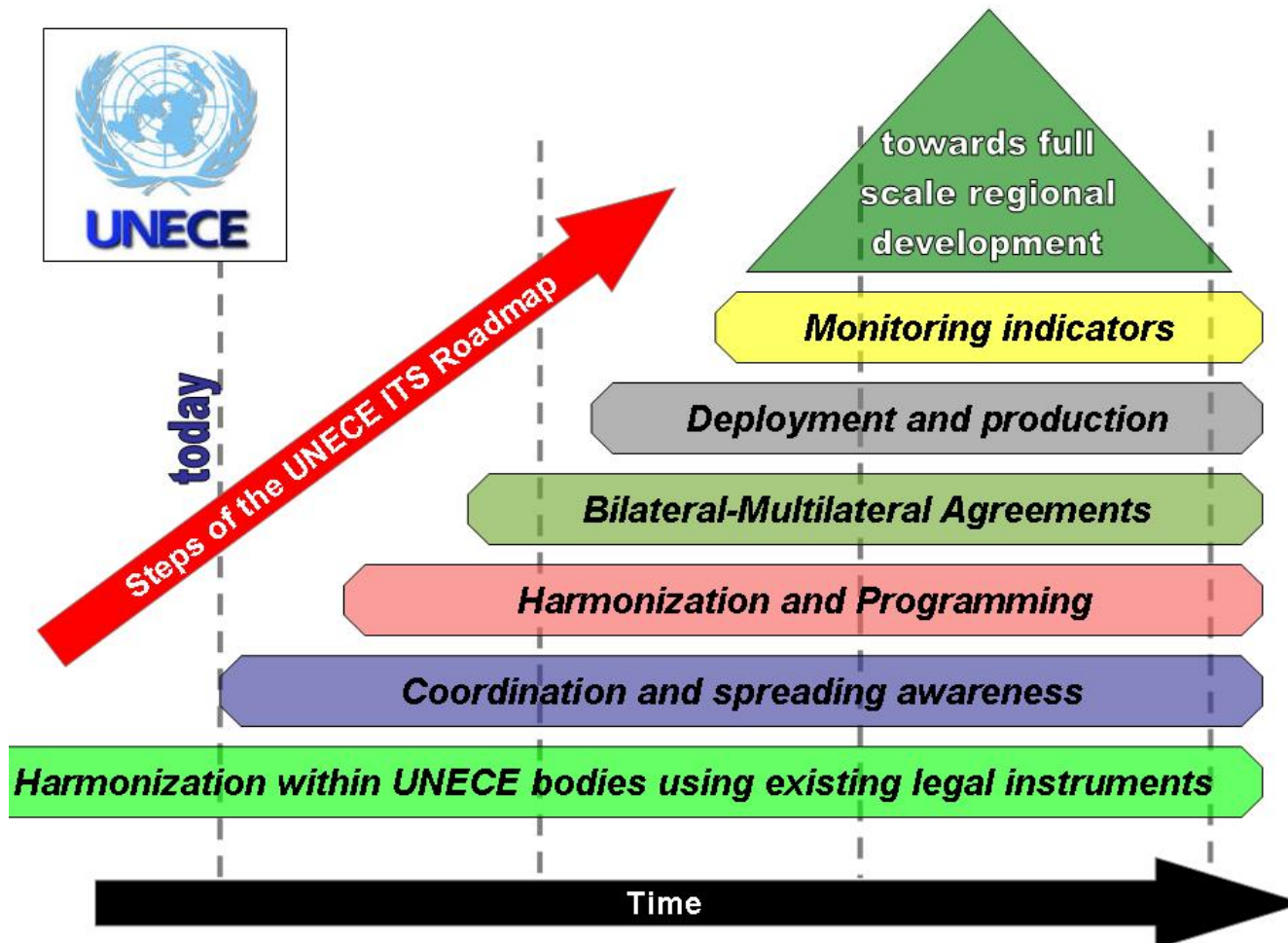


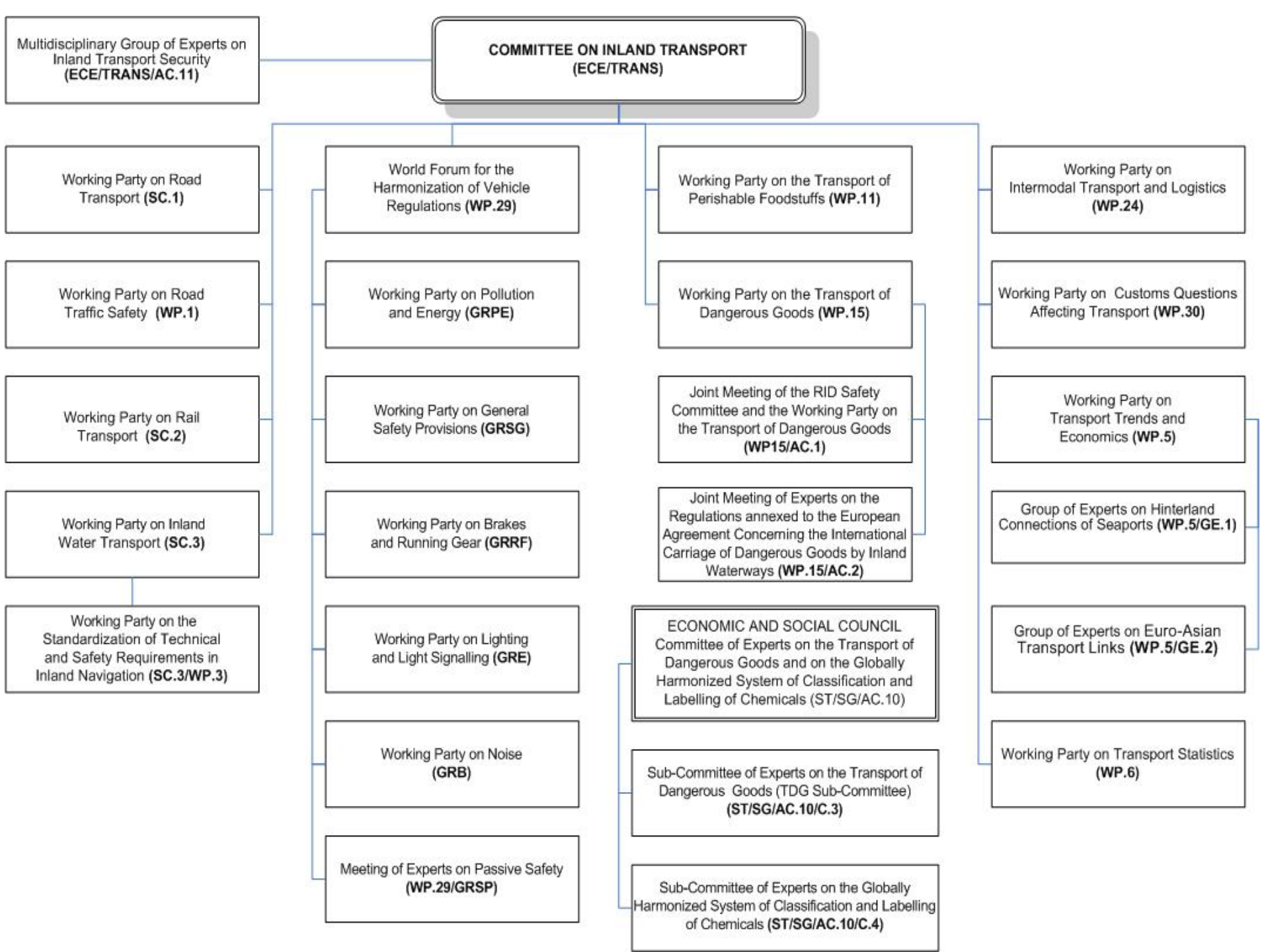
# UNECE Road Map: What actions, 2

- 11. Harmonizing Variable Message Signs
- 12. Making Transport of Dangerous Goods less dangerous
- 13. Integrating with Rail Transport
- 14. Integrating with IWT
- 15. Enhancing the modal integrator's role of ITS
- 16. Developing Cost-benefit assessment methodologies
- 17. Contributing to climate change mitigation
- 18. Launching analytical work
- 19. Contributing to capacity building, education and awareness raising
- 20. Organising the United Nations Annual Round Table on ITS



# Road Map: How to implement?







# The package will be launched: 28.02.2012

- The Policy segment of the Inland Transport Committee (ITC) will be on ITS, 2012
- ITC will review the strategy package





# Conclusions

- Paradigm shift to come through changing values – changing challenges
- Join UNECE Transport activities so that we can join you in addressing them





# Thank you for your attention



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