Taking Ambitious Climate Action Decarbonizing Inland Transport by 2050

WORKING PARTY ON TRANSPORT TRENDS AND ECONOMICS (WP.5)

UNECE

ITC Decarbonization Strategy

ITC Decarbonization Strategy

Decarbonization Framework: Avoid-Shift-Improve & Adapt

The Strategy's broad decarbonization framework draws on avoid-shift-improve measures:

- **Avoid** unnecessary vehicle kilometres through compact development, increasing accessibility to services, and reducing the need to travel as much as we do today
- **Shift** to low and zero carbon, sustainable transport modes and/or operations
- **Improve** vehicles, infrastructure and operations

- **Adapt** to climate change so that transport system provide the expected service

ITC Decarbonization Strategy

Initial ITC Climate Action Plan

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Contains 33 initial actions to drive the change towards decarbonization

- **Short-term - until 2026: 10 short-term actions in total** (including continuous)
- **Medium-term (2030 horizon): 17 medium-term actions** between 2027 and 2030
- **Long-term: 6 long-term actions** between 2030 and 2050

- **ASI&A pillar**
- **Responsibility of at least one ITC Working Party**

ITC Decarbonization Strategy

Initial ITC Climate Action Plan – concrete actions

Avoid	
Avoid unnecessary vehicle km	Policy solutions for minimizing empty runs
Reduce the need to travel	Assessment of potential benefits of traffic reduction measures

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Initial ITC Climate Action Plan – concrete actions

Shift	
Shift to more sustainable modes	Promotion of Conventions such as AGC/AGTC to other regions
Shift to more sustainable transport operations	Improving cycling and its infrastructure to enable shift to cycling
	Policy solutions for MaaS
	Policy solutions for intermodal city logistics
	Assessment of potential benefits of shift options and target setting

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Initial ITC Climate Action Plan – concrete actions

Improve	
Improve vehicles	Feasibility assessment and setting tailpipe GHG emission reduction target
	Policy support to electrification of vehicles
	Resource efficiency improvement in mobility value chains
Improve infrastructure	Assistance to electrification or usage of alternative fuels or energy solutions at the rail network
	Policy support to charging infrastructure
	Road, rail, IWW infrastructure improvement allowing its more efficient use

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Initial ITC Climate Action Plan – concrete actions

Improve	
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Improve operations	Intermodal city logistics
	Digitalization
	Better utilization of ITS for optimization of operations
	Reduction of path conflicts for railways

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Initial ITC Climate Action Plan – concrete actions

Adapt	
Improve resilience	Development of analytical tools for improving road/rail/inland waterway/terminals/ports resilience
	Application of adaptation pathways
	Assessment of transport systems criticality
Understanding vulnerabilities	Vulnerability assessment/stress tests

ITC Decarbonization Strategy

Initial ITC Climate Action Plan to support NDCs setting

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Concrete outputs from actions undertaken by ITC Working Parties

Outputs => tools, policy solutions, guidance, assessments

as inputs to national action for decreasing GHG emissions from transport

In support of NDCs