

Facilitating climate actions in mobility



Six Action Recommendations for Policymakers to Align Transport with the Paris Agreement and the Sustainable Development Agenda

Building on existing transport-related roadmaps, calls for action, discussion papers and research findings, GIZ devised six essential recommendations for policymakers and other officials dealing with climate action and ambition in the transport sector. As policymakers draft their upcoming NDC revisions, they can heed these recommendations, which have been broadly formulated to allow adaptation to divergent national contexts.

In addition to enabling emission reductions, the recommendations address various sustainable development challenges in the transport sector. Beyond fighting climate change, taking action in all six areas will thus help to reduce air pollution, noise and congestion, while also enhancing access to transport, road safety and the efficiency of the freight sector, thereby contributing to six of the 17 SDGs.



Please find the study here.

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Shifting the paradigm towards zero-carbon targets for 2050

To avoid, shift, improve and electrify passenger and freight transport, a comprehensive long-term approach is necessary.

Moving away from the marginal reduction of emissions and towards the creation of a zero-carbon transport system by 2050 is essential for reaching global climate goals – and for making transport more equitable, sustainable and safe.



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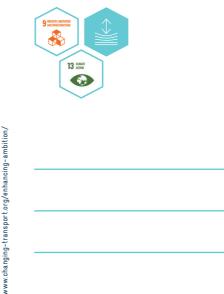
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Ensuring the resilience of transport systems 2

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Services and infrastructure may be threatened by slow-onset impacts, such as sea level rise and increasing temperatures, or by extreme weather events. Authorities on all levels need to consider climate risks in transport planning and climate-proof transport services and infrastructure.



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of the Federal Republic of Germany

Empowering cities with national support

Urban transport is associated with significant impairments to quality of life due to congestion, noise, and poor air quality. Due to urbanization, cities play an increasingly important role in the transport transformation, but require national support.



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Investing in sustainable rail, inland shipping and multimodal hubs

Investing in clean and efficient rail infrastructure and multimodal hubs is crucial for augmenting mobility options while drastically reducing energy demand in long-distance passenger and freight transport. Investments have to go hand-in-hand with the phasing out of fossil fuel subsidies.



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Enhancing system efficiency in freight and logistics ENHANCING CLIMATE AMBITION IN TRANSPORT



Policymakers should seek to shift demand to rail and waterborne freight, to encourage the use of multimodal hubs, to promote the adoption of efficient vehicles, and to optimize logistics (e.g. by avoiding inefficient trips). Governments need to guide development and investment in the long-term sustainability and competitiveness of the overall freight system.





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Accelerating electrification with renewable energy

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For decarbonization, the use of electric vehicles powered exclusively by renewable electricity is crucial. Every country can start electrifying its transport system now and work on decarbonizing the electricity mix in parallel. The freight sector should become electric wherever possible, but e-fuels and hydrogen may be needed to supplement electrification in long-haul transport. Electrification will reduce air and noise pollution and can substantially reduce overall system costs.



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