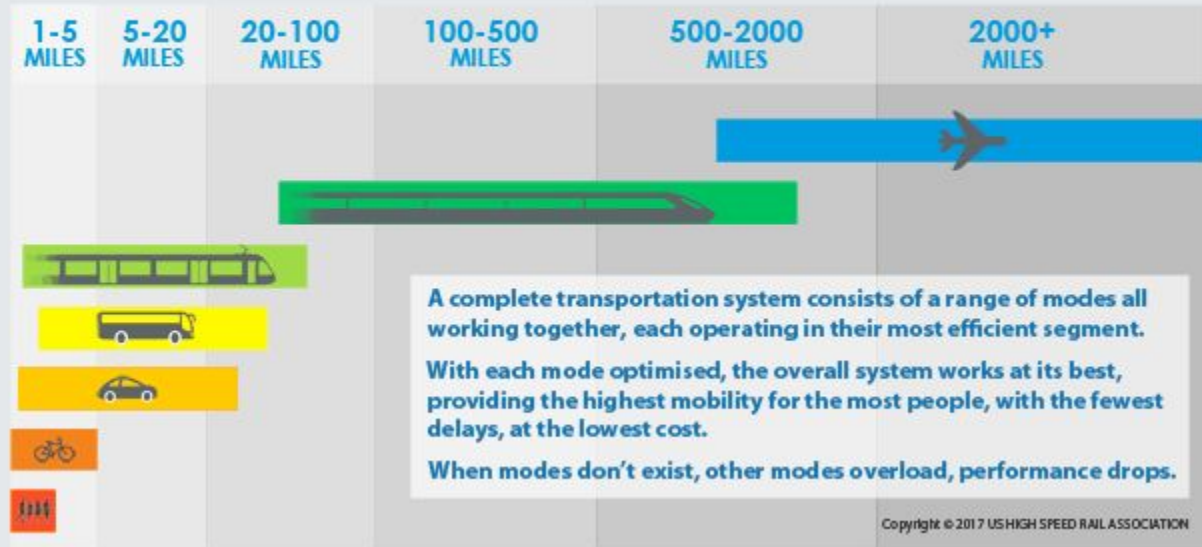


High Speed Rail

Vicki Bui

A COMPLETE TRANSPORTATION SYSTEM



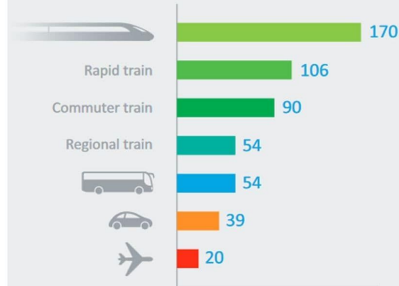
Background

Position

Reduce Carbon Emissions +
Enhance Social Equity +
Stimulate Economic
Development

→ ENERGY EFFICIENCY

Passenger-kilometres carried per unit of energy (1kwh = 0.086kep)



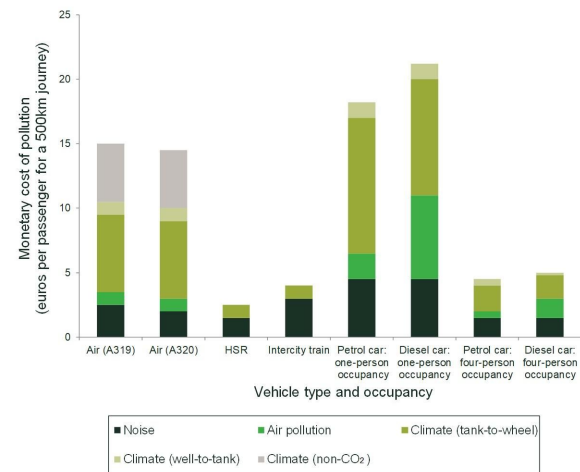
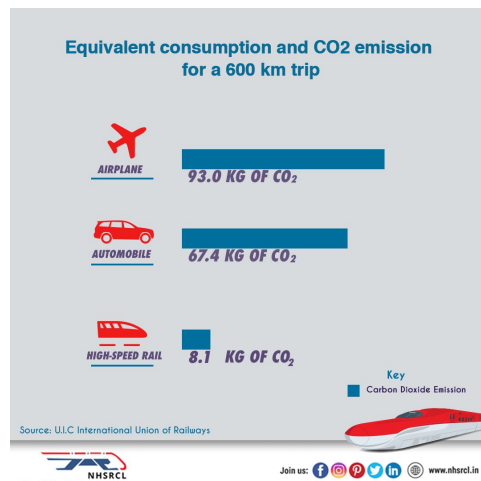
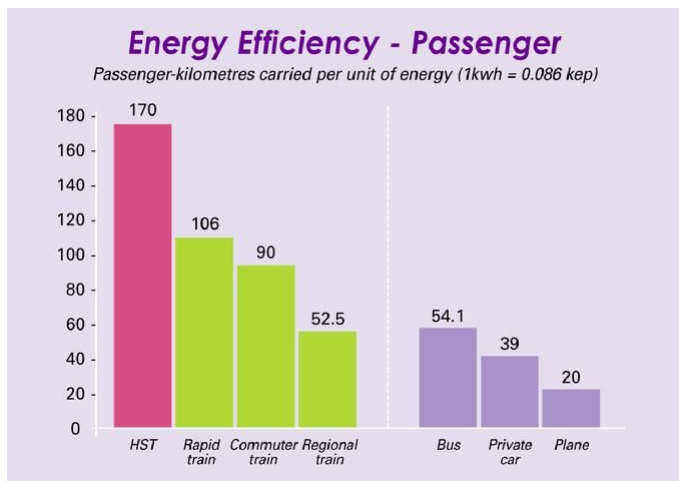
→ CO₂ EMISSIONS

Kilogrammes of CO₂ emissions per 100 passenger-kilometres



Charts & figures from UIC - The International Union of Railways, Paris, France. UIC.ORG

Summary of Research



More Research

HSR: TO ENHANCE THE CONVENTIONAL RAILWAYS WITH ADVANCED TECHNOLOGY

HSR would lead towards initiating several contracts for construction of tracks, signalling, crossings, etc which will be used for other rail lines as well.



TRACKS



SIGNALLING

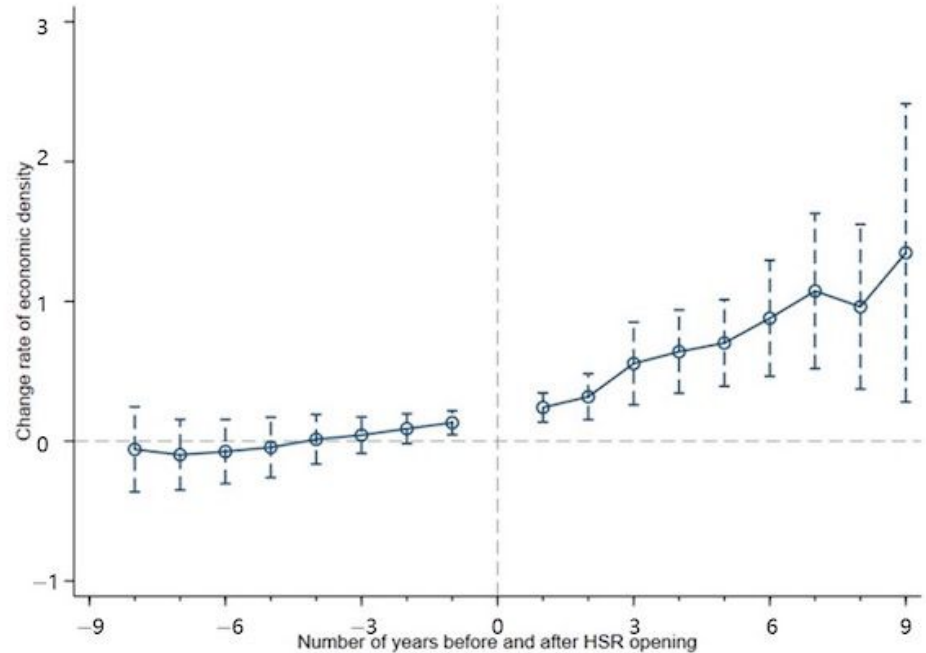


CROSSINGS



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Conclusion

