

# Opportunities for research collaboration between energy and transport around Low Carbon Energy & Inclusion

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## MAIN AIMS OF THE HVT PROGRAMME

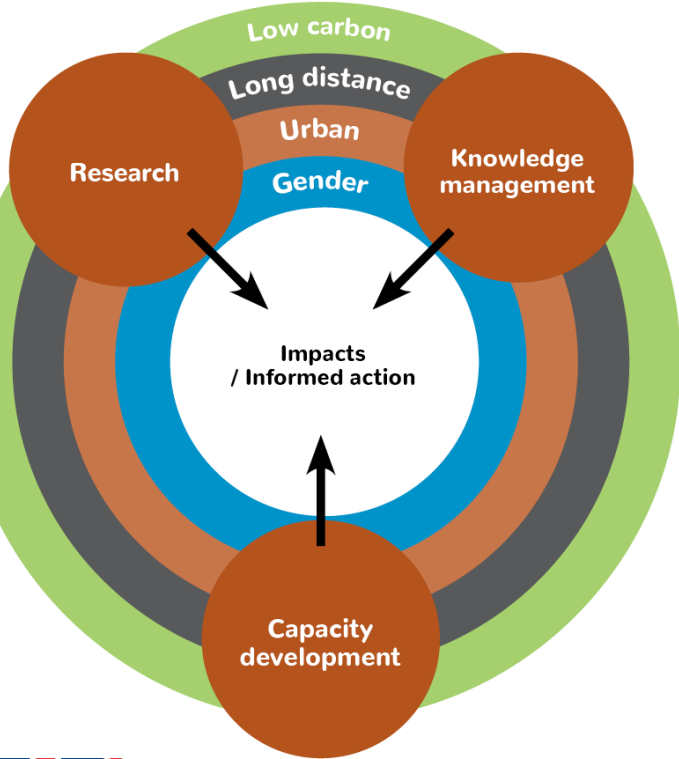
A 5-year, £18m UK-funded High Volume Transport (HVT) Programme to help policymakers across Africa and South Asia deliver sustainable high volume transport.

HVT aims to:

- Strengthen the evidence base
- Enhance scientific & technological capacity to do research
- Empower decision-making through sharing latest research

## 4 research themes

- Long Distance Road & Rail Transport.
- Urban Transport.
- Low Carbon Transport.
- Gender, Vulnerable Groups & Inclusion



# INCLUSIVE PROPOSED RESEARCH AGENDA

- How to incorporate universal inclusive design?
  - How to identify and promote low-cost, low-tech high-impact access solutions?
  - How to retrofit accessibility into Mass Transit investments?
- How to incorporate voice of disadvantaged groups be incorporated in decision-making?
- How can new technology/solutions from HIC improve the transport for disadvantaged groups accessing high volume transport?
- What is the role of women in informal cross-border trade and urban freight?
- How can personal security of women on transport be tackled?
- What are the options available for improving road crash data collection?
- Which road safety mechanisms have the highest impact in Africa and South Asia?
- What are the links between transport and jobs?
- What is in the interaction between infrastructure and fragile states?

## **Low Carbon Transport**

- Examined **Quick Wins** – in low-carbon transport policies and measures
- Examined to what extent ten such quick wins are integrated in climate change strategies in nine low- and middle-income countries Africa and South Asia.

## Quick Wins

Fossil fuel subsidy phase out

Sustainable Urban Mobility Plans

Electric two- and three-wheelers

Limit import of polluting second hand trucks

Low-emission zones

Pricing of car use

Fuel economy standards and incentives

NMT infrastructure

Logistics optimization / freight efficiency

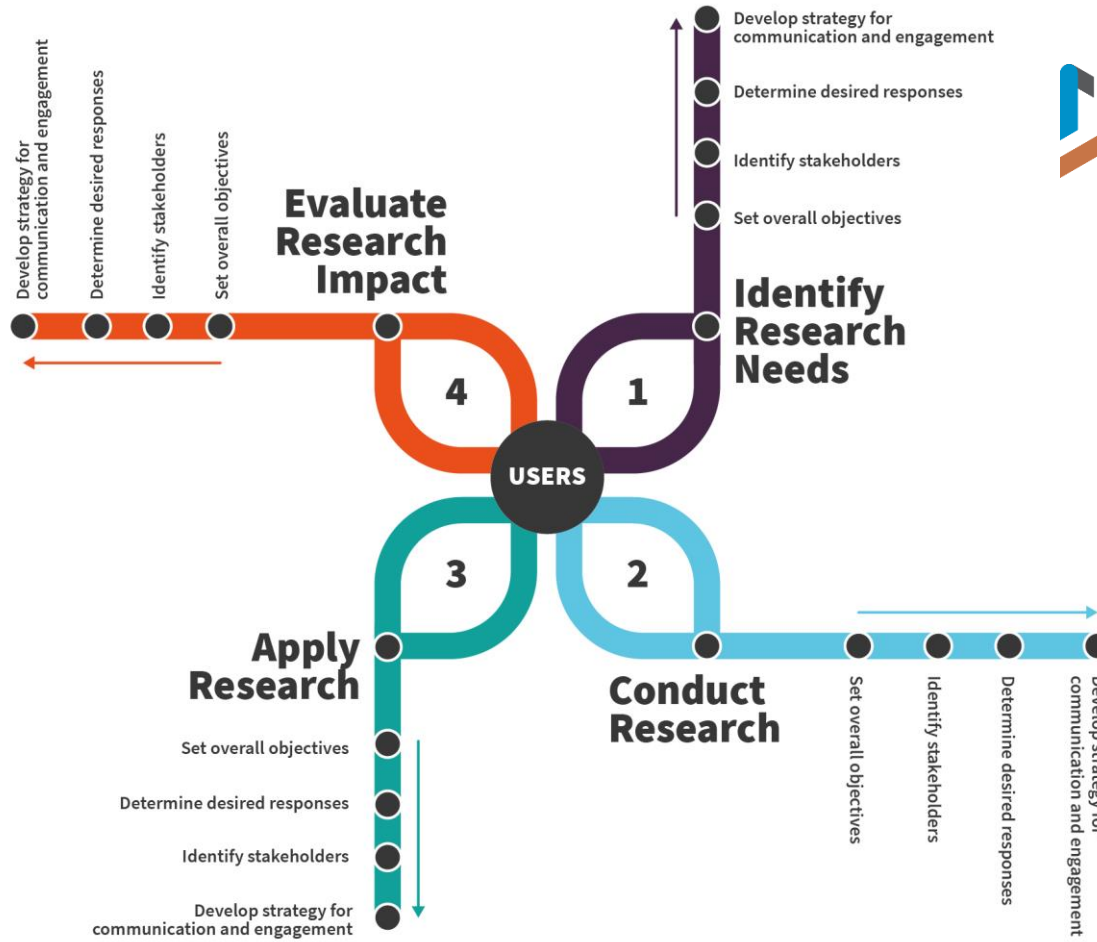
Diesel quality standards

Research shows:

- Removing of fossil fuel subsidies could lower global GHG emission by 8-12% by 2050
- Is a prerequisite to the carbon taxation, which is needed to achieve a Beyond 2 Degree Scenario.

## Low Carbon Transport

- **Vehicle-related measures** such as fuel quality and fuel economy standards, and **electric two and three-wheelers** also being of key relevance.
- National climate change strategies can be improved with better coordination between transport, energy and environment agencies such strategies can be improved.







**THANK YOU**