



INITIATIVES FOR LOW-CARBON AND EQUITABLE MOBILITY

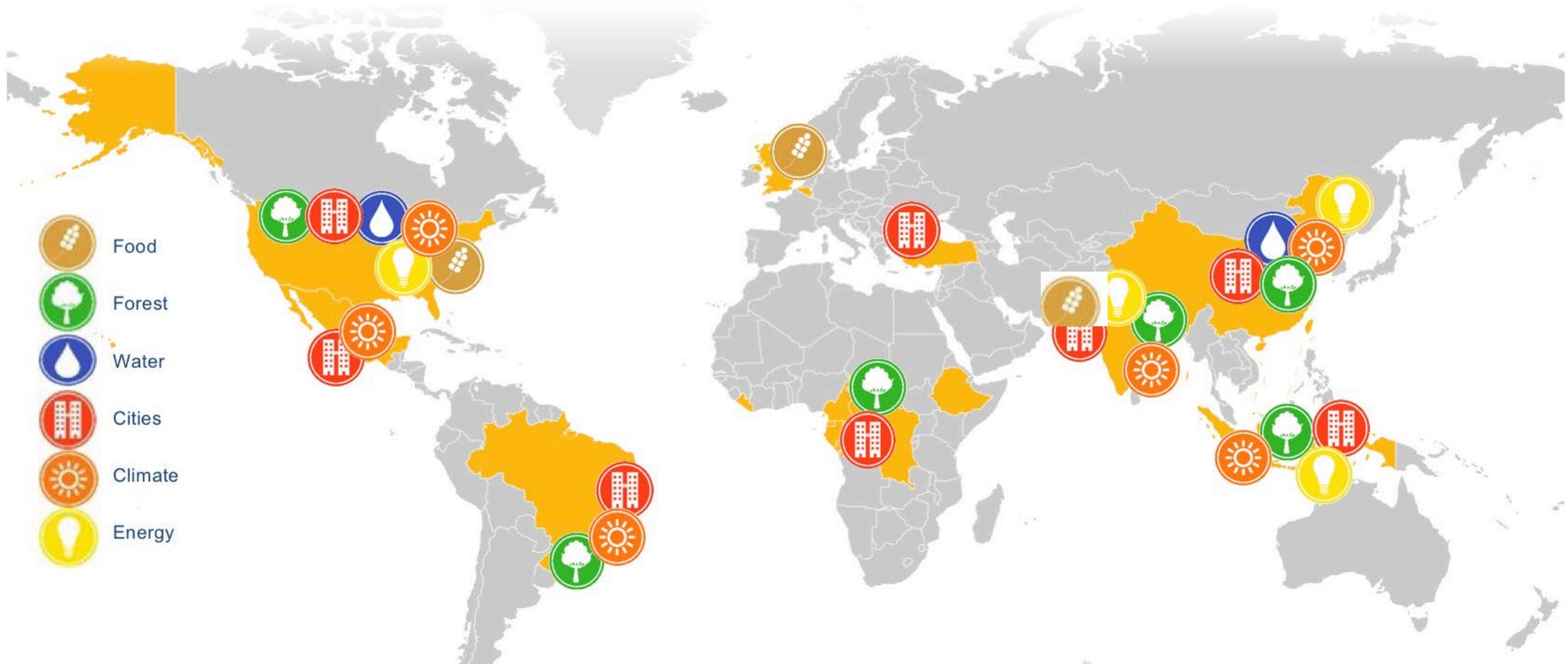
CHAITANYA KANURI, WRI INDIA

Associate Director, Integrated Transport and Electric Mobility



WORLD RESOURCES INSTITUTE (WRI)

WRI is a global research organization that spans more than 50 countries, with offices in the United States, China, India, Brazil, Mexico, and Indonesia, and regional hubs in Europe and Africa.

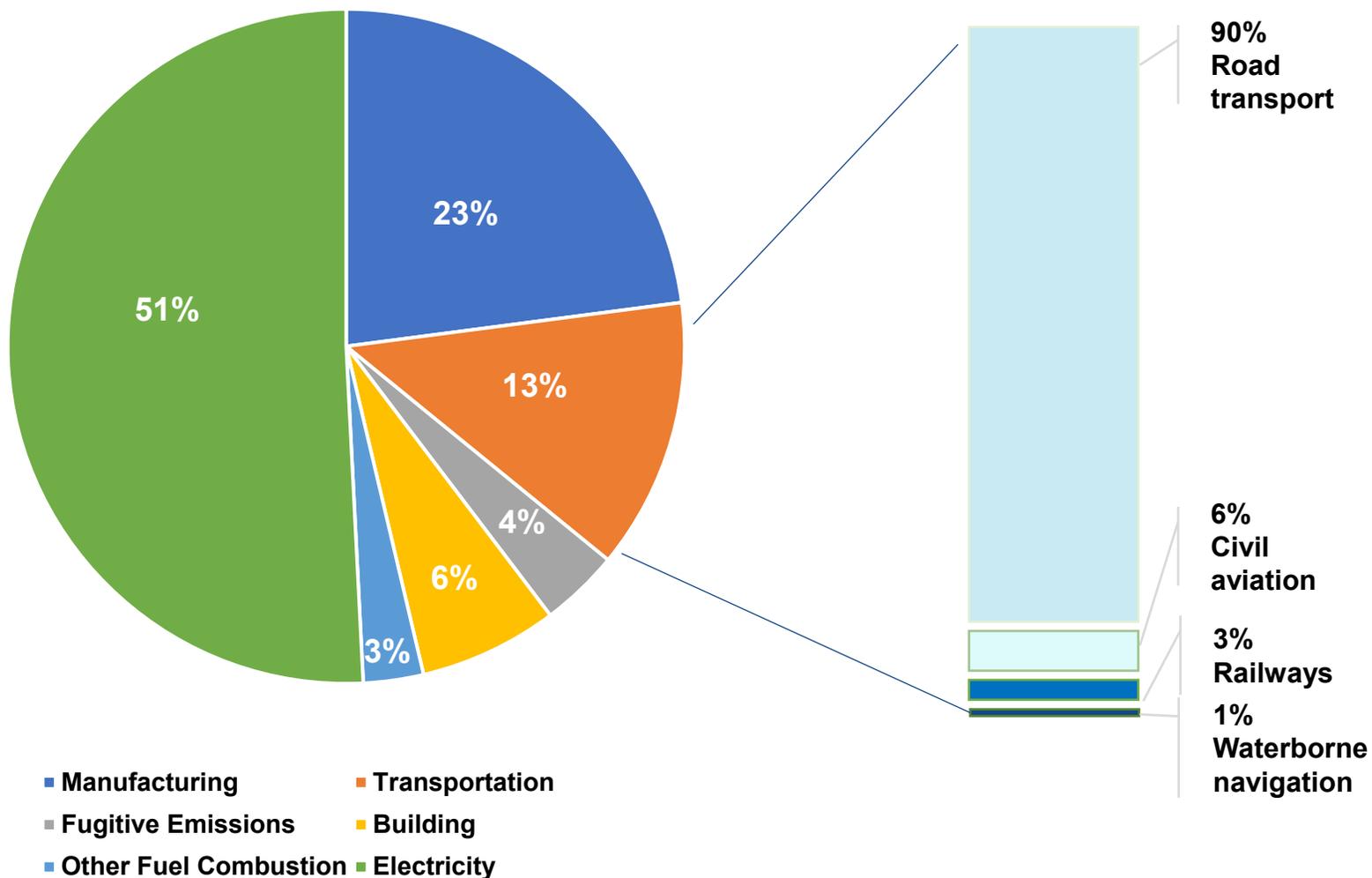


Goal 1a: Low carbon mobility



INDIA GHG EMISSIONS: TRANSPORT SECTOR

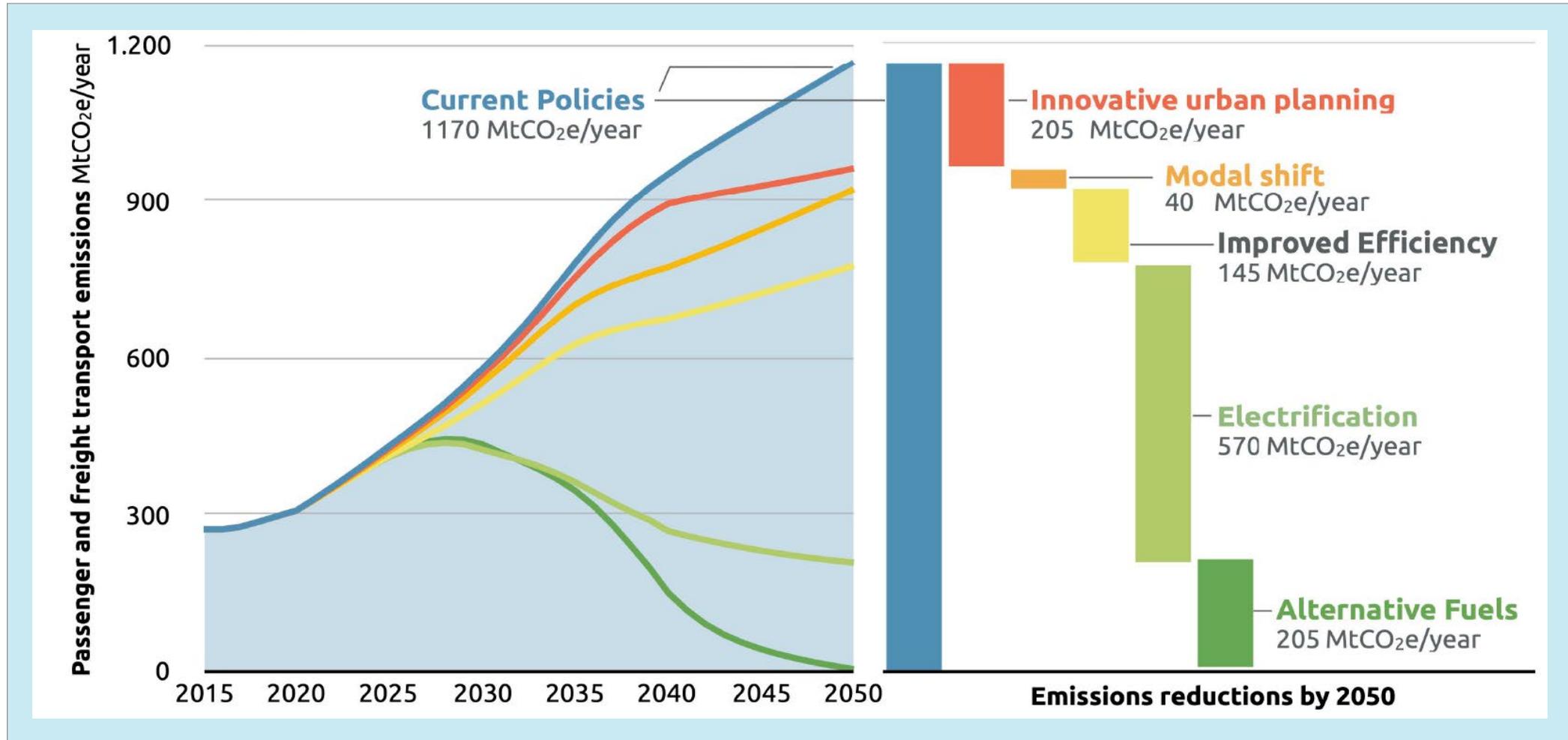
Distribution of CO₂e emissions- Energy Sector



- The share of energy sector in India's total GHG emissions for the year 2019 was **71.87%**
- Road transport accounts for 90% of emissions from the transport sector.
- In the business-as-usual (BAU) scenario, **CO₂** emissions from the transport sector are expected **to grow** by more than **200% by 2050.**

TRANSPORT SECTOR EMISSIONS: PATHWAY TO NET-ZERO

Net Zero Transport Emissions: Road focused scenario



Importance of bus-based public transport



70 million

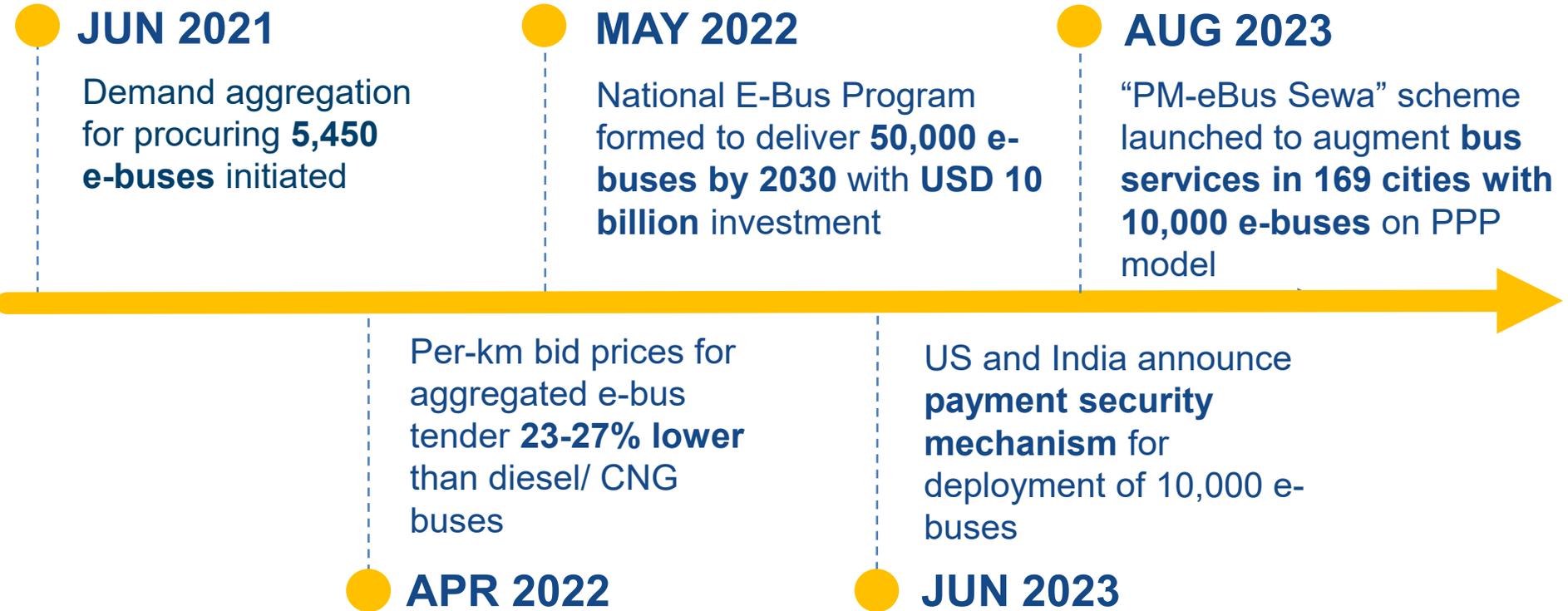
Passengers travel on public buses daily



340,000

Fleet of public transport buses operated by public and private operators

EXPANDING AND ELECTRIFYING PUBLIC TRANSPORT



Today, there are about **5,000 e-buses** on the road in India and another **10,000 e-buses** have been successfully tendered.

ENABLING THE E-BUS TRANSITION

Demand aggregation and homogenization of bus specifications

Convening of industry, public bus agencies, private bus operators, financiers together

Identify risk mitigation measures and innovative business models for bus procurement at competitive rates



E-BUS TRANSITION ROADMAPS

ROUTE PLANNING AND OPERATIONS TOOLS

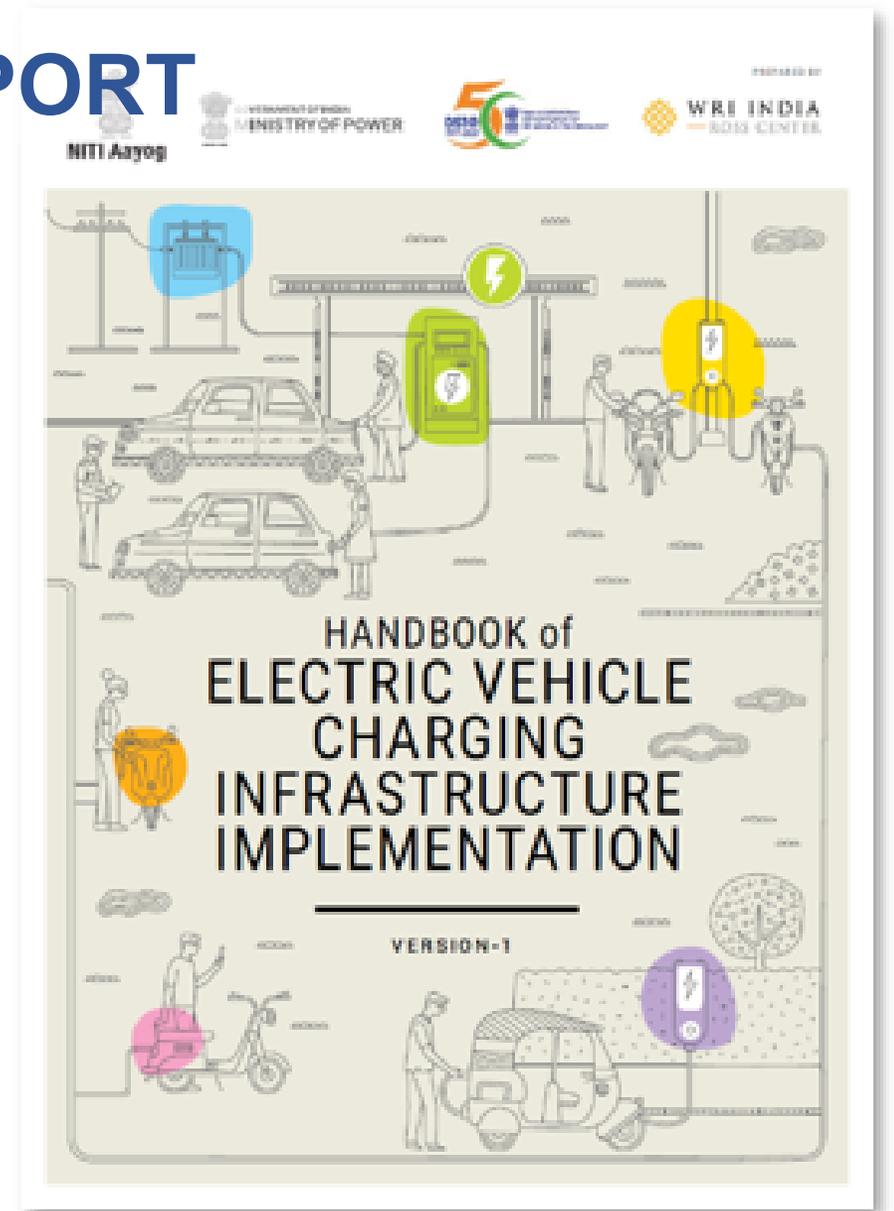
CAPACITY BUILDING FOR PUBLIC AGENCIES

ELECTRIFYING PASSENGER TRANSPORT

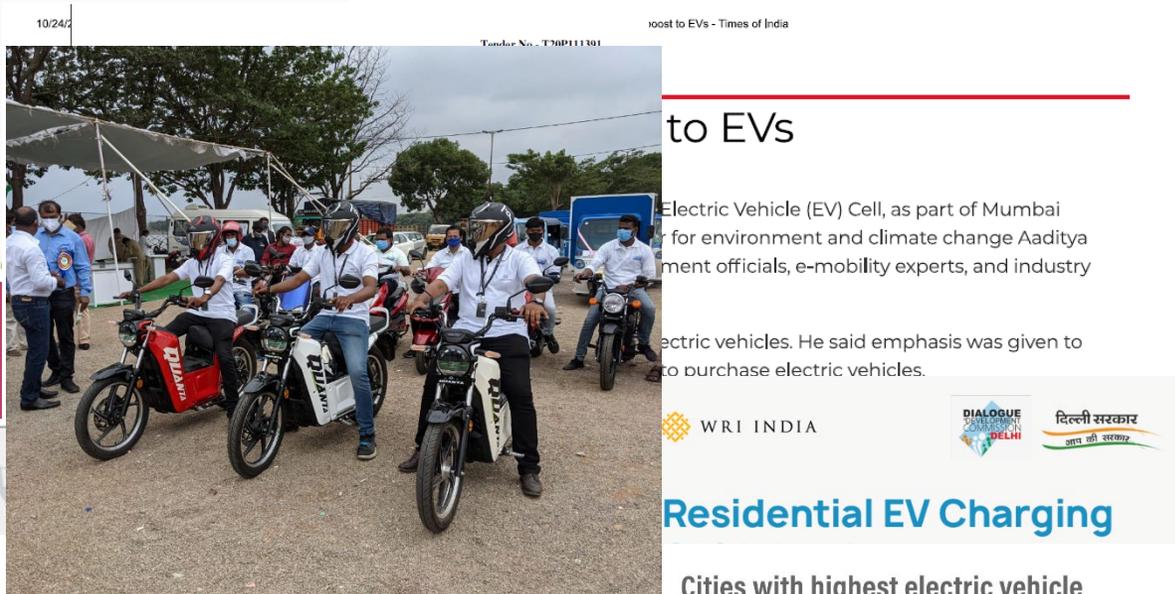
Provide technical analysis and evidence-based research to inform policy and decision-making

Convene multi-stakeholder discussions through platforms and collaborative initiatives to support agenda-setting and peer-to-peer learning

Develop knowledge resources to scale up learnings from research and on-ground implementation initiatives



SUB-NATIONAL E-MOBILITY INITIATIVES



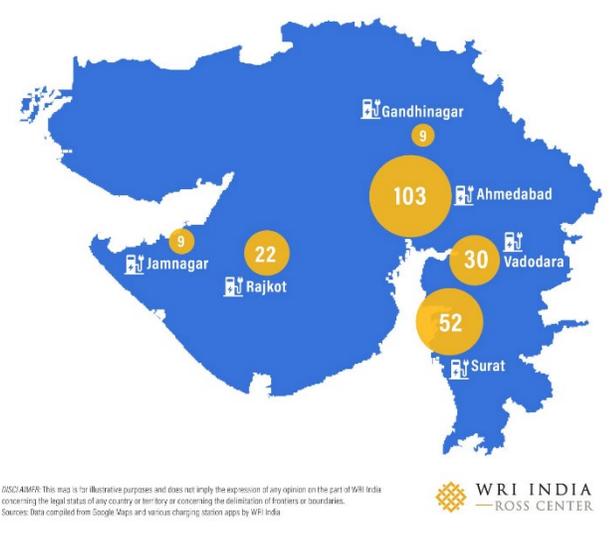
STATE EV POLICY FORMULATION

CITY LEVEL E-MOBILITY PLANS

INSTITUTIONAL COORDINATION

TECHNICAL ASSISTANCE

AWARENESS AND INFORMATION



FREIGHT ELECTRIFICATION

e-FAST India is a platform **facilitating collaboration** between government stakeholders and private sector partners to **shape strategies** and actions for **freight electrification**



Sep 2023

7,750

e-freight vehicle demand aggregated

45+

industry partners

12+

knowledge partners

100+

bilateral discussions

3

pilots declared

Sep 2022: e-FAST launched

NDC TRANSPORT INITIATIVE FOR ASIA (NDC-TIA)

To raise ambition for transport decarbonisation action, the Govt of India launched the **'Forum for Decarbonising Transport'** with support from WRI India



At COP-28, WRI will launch its flagship NDC-TIA report **“Visioning to Implementation”** which assesses how three Asian countries - **China, India, and Vietnam** - are undertaking transport sector action as part of their nationally determined contributions (NDCs).



WRI INDIA

Goal 2: Road safety

ROAD SAFETY INITIATIVES

WRI India is one of partners under “Bloomberg Philanthropies Initiative for Global Road Safety,” supporting the **state of Maharashtra and cities of Bangalore and New Delhi.**



INFRASTRUCTURE INTERVENTIONS

POLICY MEASURES

CITY LEVEL PROGRAMS

OPEN STREET EVENTS

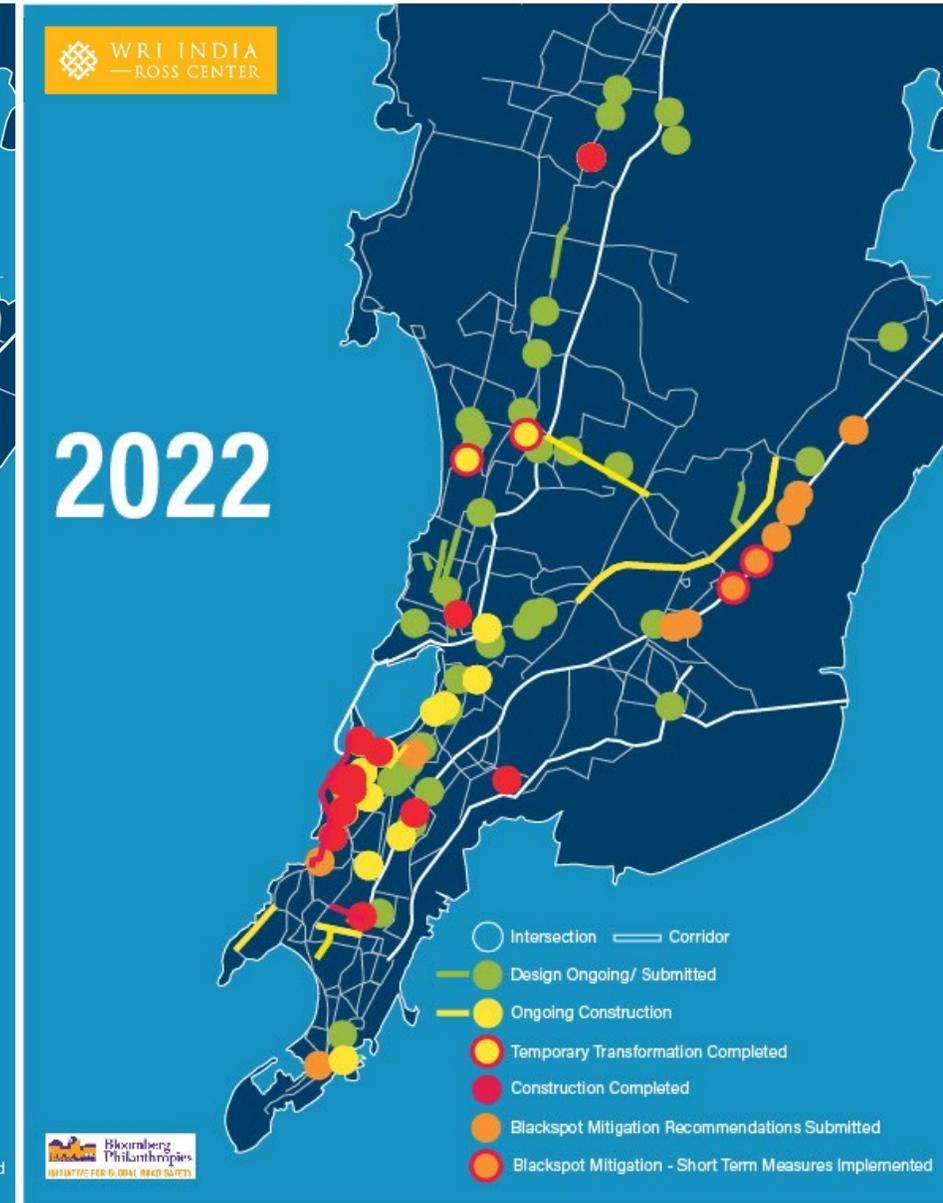
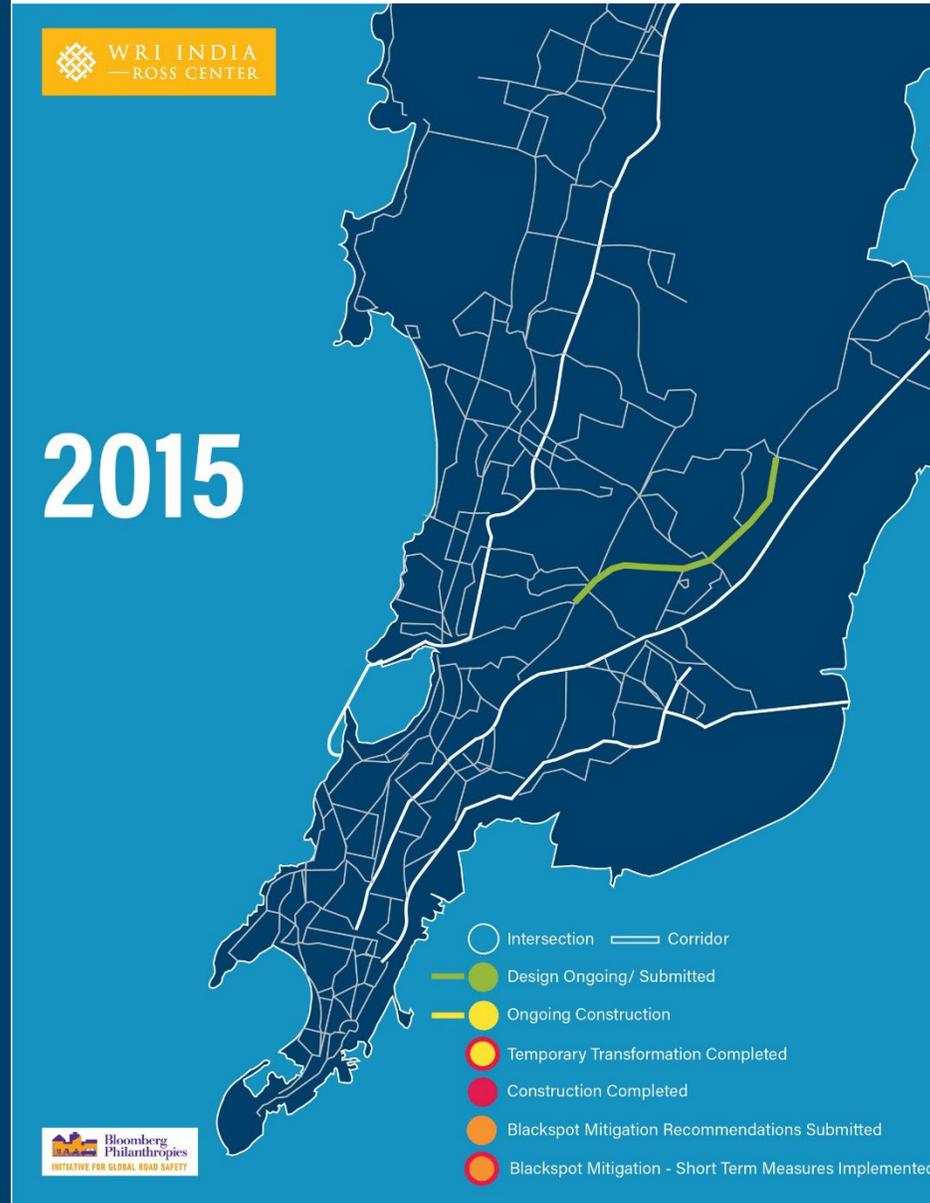
CAPACITY BUILDING

PROJECT IMPACTS: MUMBAI

100+ intersections
20+ km of corridors
16 blackspots

More importantly, we built an ECOSYSTEM:

- Mumbai Street Lab: A design competition
- Mumbai Streets Transformation Project: Empanelment of urban design consultants with BMC for a period of 3 years.
- BMC allocated USD 6 million for a “Safe Schools” project in Budget 2022-2023





TM

raahgiriday

Apni Raahein Apni Azaadi

10 Years of Raahgiri completed

71 Cities influenced with Raahgiri mission

2626 Events undertaken

13M People engaged



NURTURING NEIGHBOURHOODS CHALLENGE

10 Indian cities are working towards becoming flagbearers for young children and family-friendly urban development

158 projects have been implemented and **25+ projects** are ongoing in 10 cities.

Over **1600+ officials** and **850+ frontline workers** have been trained



Young children experience streets and public spaces differently

Photo by: Bernard Van Leer Foundation



**THANK YOU
FOR YOUR TIME**

chaitanya.kanuri@wri.org

