

Overview of Low-Carbon Comprehensive Mobility Plan approach

Promoting Low Carbon Transport in India

Capacity Building Workshop for Low-Carbon Comprehensive Mobility Plans for Indian Cities

11 – 13 April 2012

India Habitat Centre, Delhi

In partnership with :



Supported by:



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety

based on a decision of the Parliament
of the Federal Republic of Germany

Project Objectives

- Delineating an enabling environment for coordinating policies at **national level** to achieve a sustainable transport system
- Enhancing capacity of **cities** to improve mobility with lower CO₂ emissions.



Key Interventions

National Level

City Level

Case Study of mega infrastructure / dedicated Rail Freight Corridor

Fuel Efficiency Policy Study

Macro Indicators of Low Carbon Transport

Case Studies of Urban Transport Technologies - Metro, BRT, NMT

Sustainability Indicators for Urban Transport Planning

Adaptation Framework for Climate Proofing

Integrated Assessment of the Transport Sector up to 2050

Methodology for Development of Low Carbon Comprehensive Mobility Plans

Toolkit on Low Carbon Comprehensive Mobility Plans

Transport Action Plan


Low-Carbon Comprehensive Mobility Plans

Development of Project Proposals - technology and financial packages for implementation of action plans

Networking and Information Sharing
(Workshops, website, publications, case studies)

 Completed activity

 ongoing activity

 Target activity for 2012 /13

Comparison between aims

CMP

- Projects to meet present and future mobility demand and achieve desirable development goal

LCMP

- Strategies to reduce emissions from transport without compromising the accessibility and mobility needs of people

Comparison between Objectives

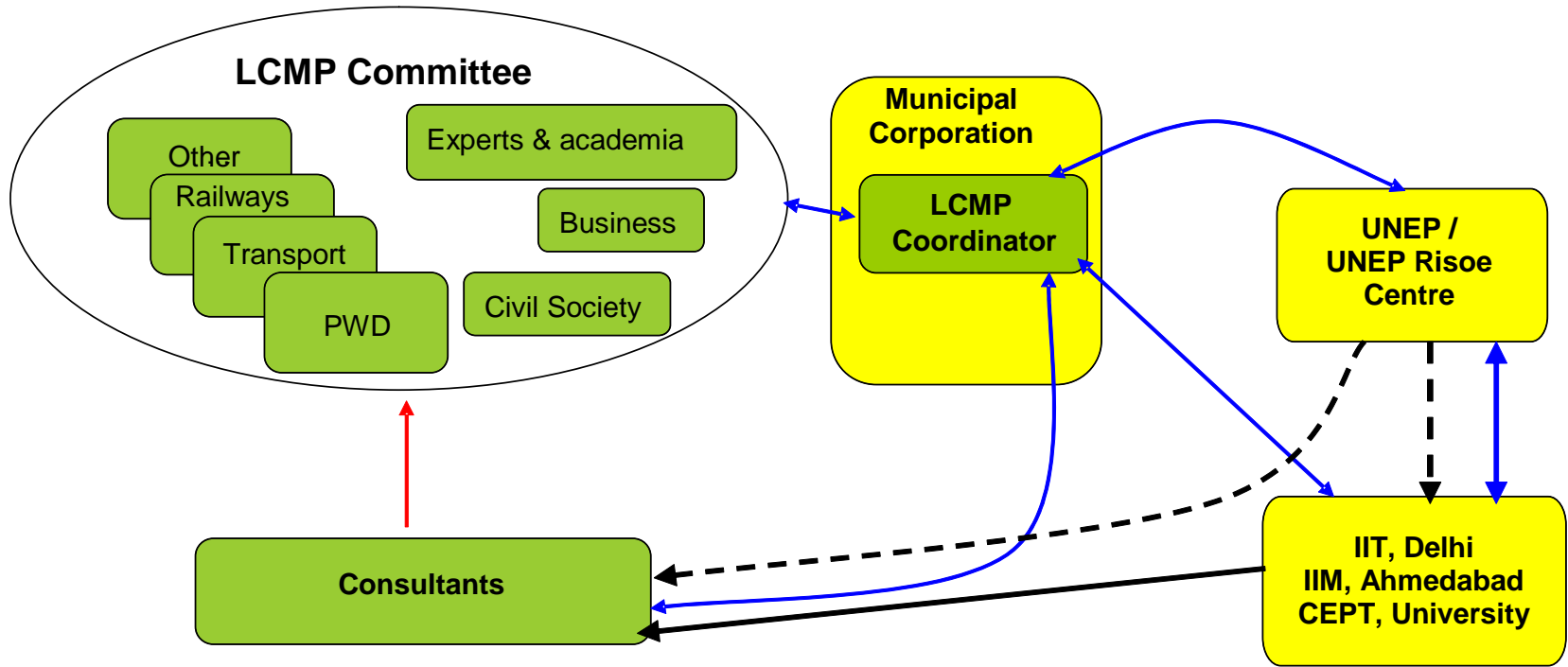
CMP

- Understand present day traffic characteristics and forecast travel demand
- Lay vision and goals for desirable urban development of city
- Illustrate a basic plan for urban development and transport infrastructure to achieve the set goals

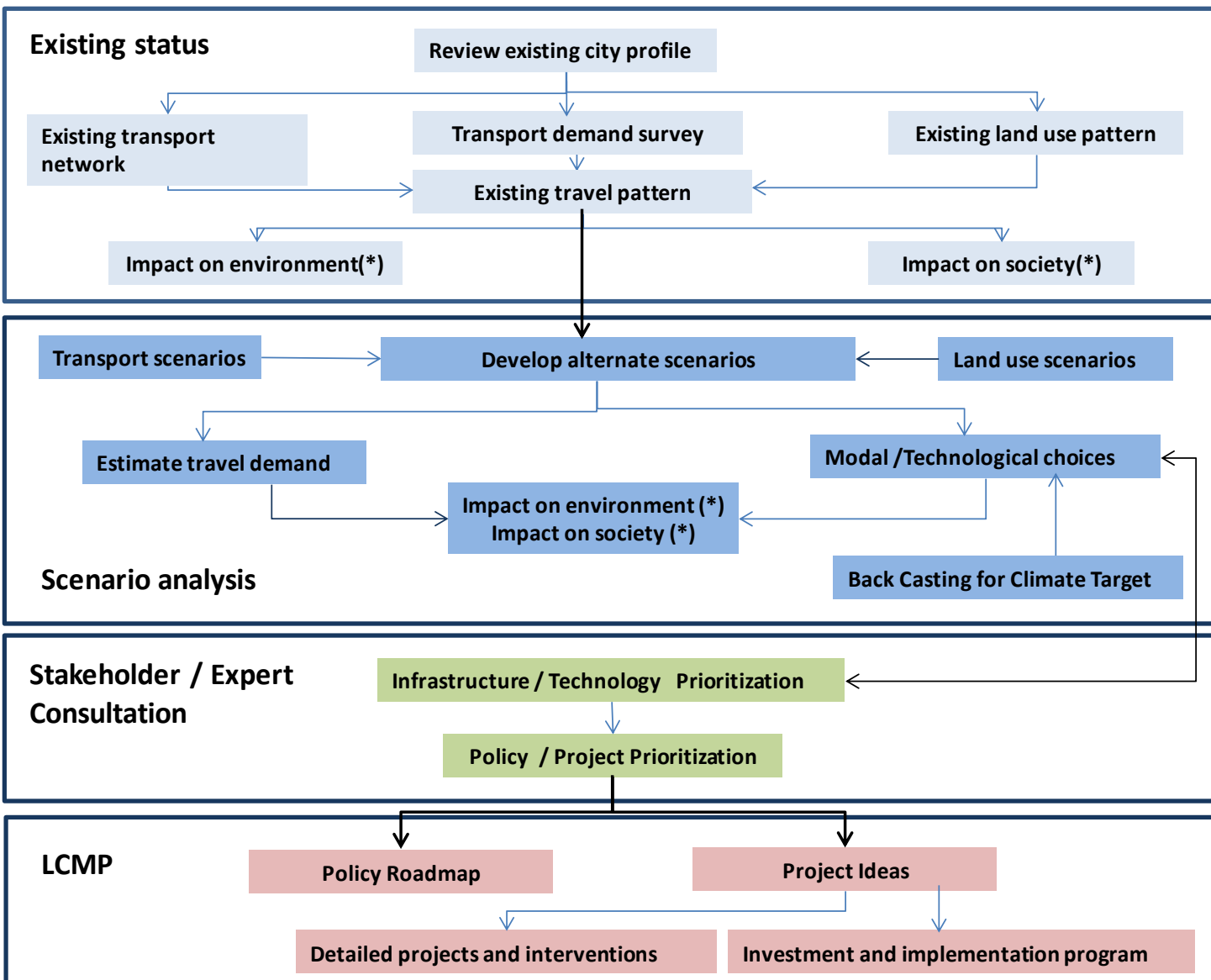
In addition to the objectives of CMP, LCMP-

- Analyze impacts of existing travel pattern and land use on environment and society
- Analyze **impact for alternate scenarios**
- Lay plan to meet desirable mobility having minimum impact on environment and improving social sustainability

Institutional Structure: City Level



Methodology framework for LCMP



Tasks

Task 0

- Delineation of planning area and planning horizon

Task 1

- Analyse existing situation

Task 2

- Modeling Business as Usual Scenario
- Using Urban Planning & Energy Emissions Models

Task 3

- Analyse alternative scenarios (**4 strategies**)
- Using Urban Planning & Energy Emissions Models

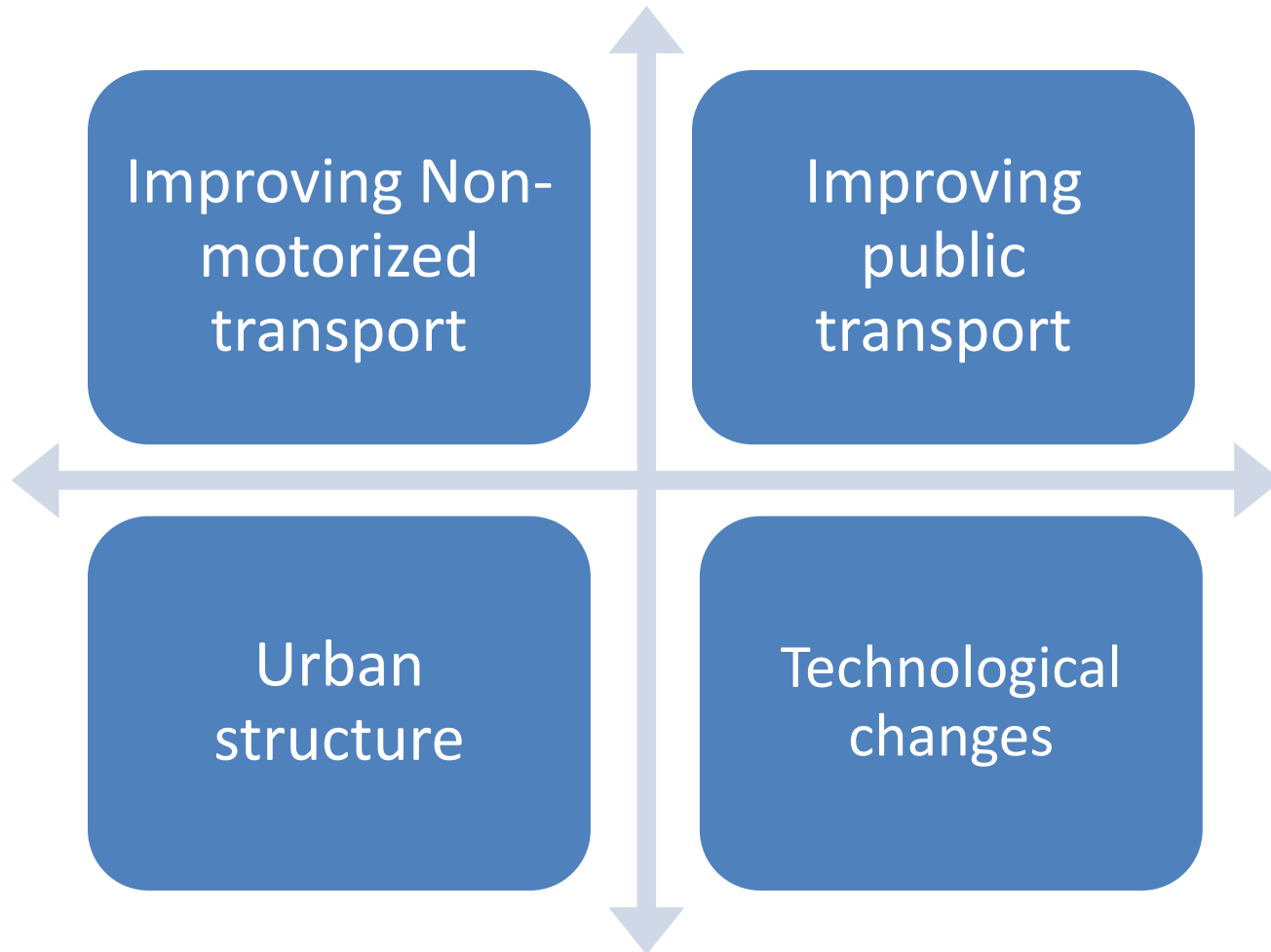
Task 4

- Evaluate BAU & Alternative Scenarios using Indicators
- Macro consistency with per capita national CO2 emissions

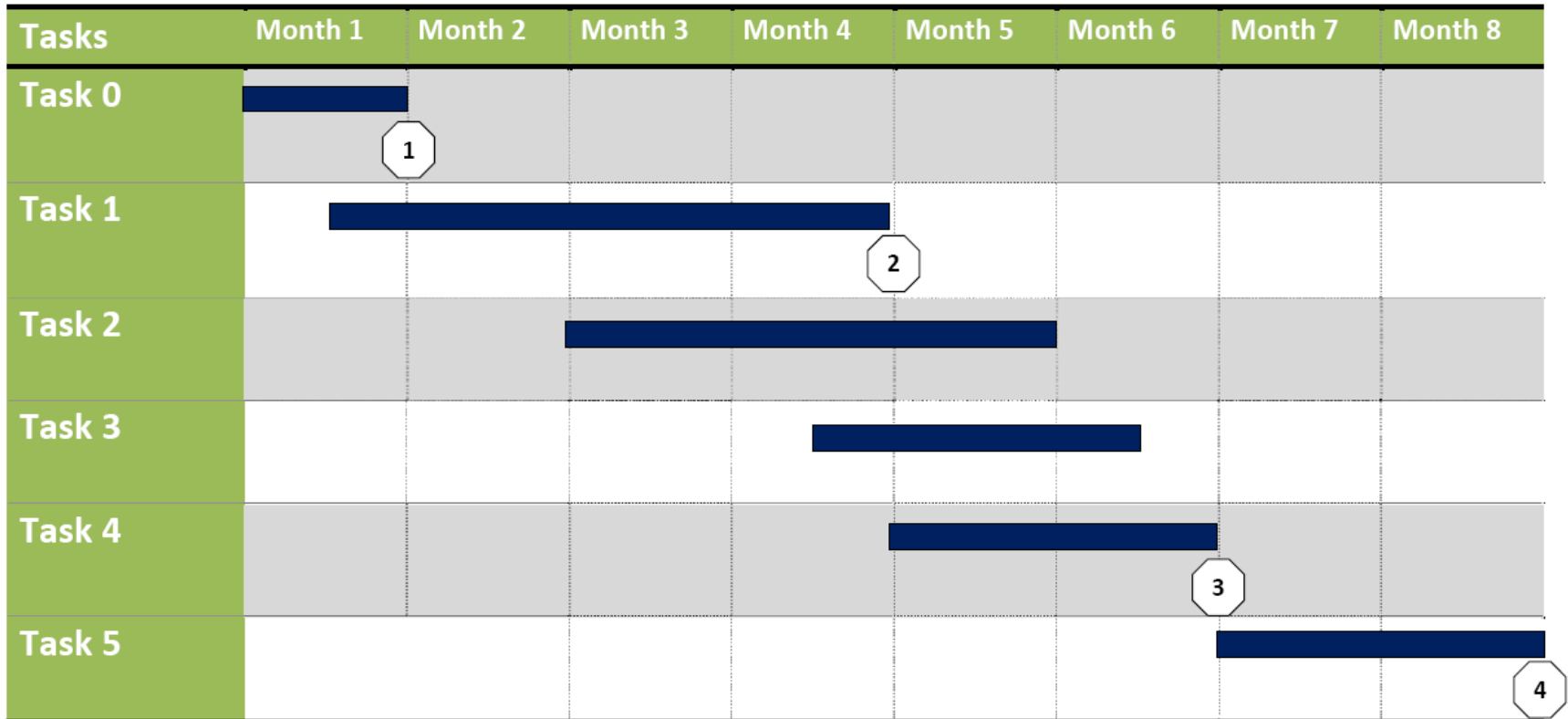
Task 5

- Prepare implementation plan (**Low-Carbon Comprehensive Mobility Plan**)

Four Strategies for low carbon mobility



Work Plan for LCMP



Milestones

1. Inception report and detailed work plan
2. Draft Report for Task 1 including survey data and results
3. Draft Report for Task 2, 3 & 4
4. LCMP Report

Cities

- 4 Cities envisaged in the project
 - Rajkot
 - MoU Signed
 - Vishakaptanam
 - MoU Signed
 - Ludhiana
 - MoU to be finalised
 - One more city in NCR
 - Subject to funding from ADB

LCMP Toolkit

- Based on
 - the methodology used for LCMP in 4 cities
 - approaches used by the 4 consultants
- In year 2013
- To be handed over to MoUD for use by other cities
- To be taken up by UNEP as a methodology for Low Carbon Planning at City level in other cities within developing countries



Thank You

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Project Website :

www.unep.org/transport/lowcarbon