Indian cities have grown fastly during the last decades, attracting more and more people spread on wider metropolitan contexts. The number of trips affecting Indian metropolises has enourmously increased requiring a better and more integrated collective transport supply.
1. CRITICAL ISSUE

FACT

IN RECENT TIMES
TRIPS QUALITY IN INDIAN CITIES GOT WORSE
DUE TO THE INCREASE OF CAR OWNERSHIP AND DISCONNECTED TRANSPORT SYSTEMS

NEEDS
there is the necessity of providing seamless, sustainable, convenient, safe and efficient mobility through an integrated multi-modal transport system aimed at moving people rather than vehicles.
2. THE STRATEGIC TOOL

AN EFFICIENT AND INTEGRATED TRANSPORT PLANNING CAN GENERATE IMPROVEMENTS

MULTI-MODAL INTEGRATION PLAN

integrates all transport modes in a unique network
soft mobility, road-based and rail-based create an integrated and more efficient transport system

provides development strategies of transport facilities
to improve existing conditions while foreseeing future needs and prevent possible threats

phase 1 - 2014
phase 2 - 2024
phase 3 - 2034
3. REQUIRED ACTIONS

SYSTEMATIC A HAS THE KNOW/HOW TO MANAGE THE ENTIRE PROCESS LEADING TO A MULTI-MODAL INTEGRATION PLAN

SURVEY

Public Transport

Interconnectivity

Multi-Modal Hubs Definition

Private Vehicle

Parking Demand

Parking Managing

Walking - Cycling

Accessibility

Networking

Safety
4. GOALS

MULTI-MODAL INTEGRATION PLANS ARE TOOLS ESTABLISHING DEVELOPMENT CHECKLISTS AND URBAN DESIGN GUIDELINES FOR NEW DEVELOPMENTS AND RETROFITS IN THE MOBILITY HUBS

- Ensures physical inter-connectivity among the diverse transit systems
- Creates clear accessibility conditions to public transport stops and hubs
- Provides real-time and map information on public transport network
- Designs a vibrant mixed-use environment with high quality land-use
- Improves streetscapes quality by adopting charming design solutions
- Defines parking strategies for assessing demand and locations

To enhance ridership
5. CASE STUDIES AND REFERENCES

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SUSA, MULTI-MODAL STATION
INTL HIGH-SPEED RAIL, REGIONAL RAIL,
LOCAL BUS NETWORK

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Multi-Modal
Integrated Circulation
Plan
5. CASE STUDIES AND REFERENCES

NAPLES “CAPODICHINO” INTERNATIONAL AIRPORT

Space Utilisation
(Level of Service)

Multi-Modal Circulation Plan
6. KEYWORDS

INTERCONNECTIVITY  LIGHTING
DETAILED WAYFINDING  PUBLIC SPACE DESIGN
ACCESSIBILITY  LANDSCAPING  MIXED-USE
TERRITORIAL MAPPING  LIVABILITY  SAFETY
SHORT ROUTES  INFRASTRUCTURE INVENTORY
FEEDER BUSES  PARKING MANAGEMENT  RIDERSHIP
7. RESULTS

ADOPTING MULTI-MODAL PLAN TO:

- **REDUCE TRIPS DURATION**
  - BY ENHANCING TRAVEL-TIME

- **IMPROVE SAFETY CONDITIONS**
  - IN ORDINARY SITUATIONS

- **HASTEN HELP OPERATIONS**
  - IN EXTRA-ORDINARY SITUATIONS (EVACUATION / STAMPEDE)

- **REDUCE AIR AND ACOUSTIC POLLUTION**
  - BY STRENGTHENING COLLECTIVE TRANSPORT

- **IMPROVE LAND VALUE**
  - THROUGH DIVERSIFIED AND LIVELY LAND-USE PROMOTION

- **ATTRACT PRIVATE INVESTMENTS**
  - TO FINANCE RENOVATION PROCESSES

- **REDUCE PUBLIC EXPENDITURE**
  - BY PROMOTING PUBLIC-PRIVATE PARTNERSHIPS