

Regional Development at Metropolitan Scale:
Role of Spatial Planning and Development
Institutions
in the context of Mumbai Metropolitan Region

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India

- A federal state with 3-tier governments at national, state and local levels
- Local is both urban and rural
- India divided into states, states into districts, districts into urban and rural
- Land, urban development, housing, public utilities are state subjects
- Legislation on these subjects is at state level
- However, national level policies and model legislation exist
- Between mid sixties –mid seventies, spatial planning received attention
- Attempts made to address growth of cities beyond their boundaries
- State level acts are passed, new institutions created for dealing with urbanisation, public housing, industrial growth, infrastructure provision
- Mumbai is the capital of Maharashtra state 45% urban
- Maharashtra state pioneer in urban and regional development field
- Mumbai Metropolitan Region (MMR) hosts 20% state's population

Planning Framework

- National Policies for Economic Dev., Land-use, Urbanisation, Industrialisation, Environment, Housing and Transportation impact spatial planning
- Also incentives for some
- State level has policies, regulations and projects for the same
- Basis for regions includes : economic, investment, environmental, metropolitan

a. Economic region : National Capital Region (across states)

b. Investment based : Delhi-Mumbai Industrial Corridor (across states)

c. Administrative : District Regions

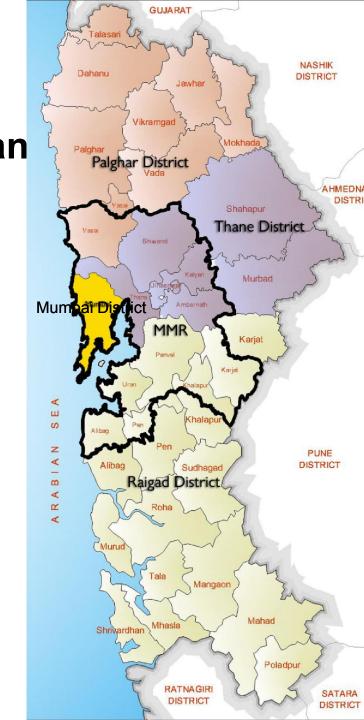
d. Environmental : Eco Sensitive Regions

e. Metropolitan : Mumbai Metropolitan Region

- Maharashtra has legislation for spatial planning at urban and regional levels
- Mumbai Metropolitan Region delineated in 1967: basis was urbanisation and daily commuting distance



Mumbai
Vetropolitan
Region
:
The
Location



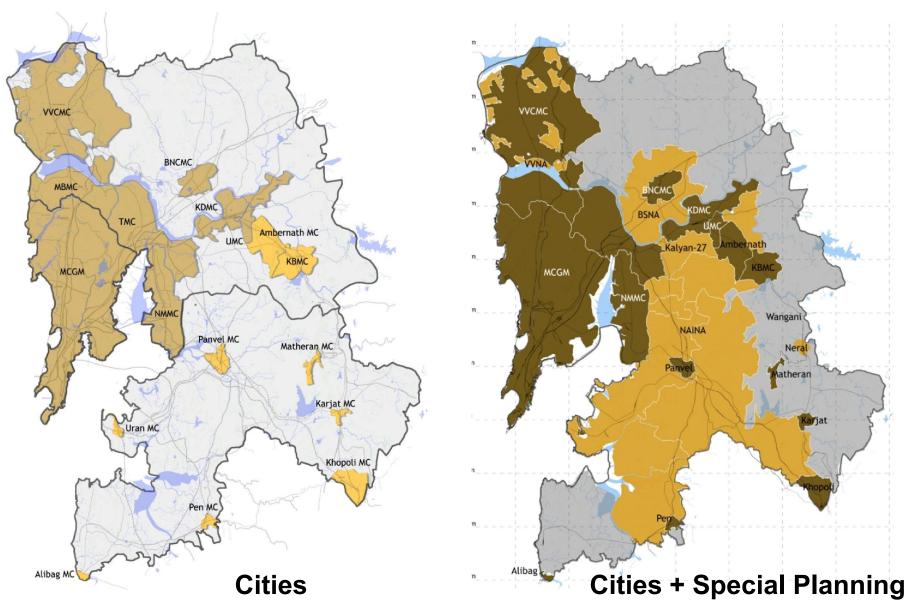
MMR: Basic facts

- 4312 sq. km.
- 5 Districts (2 full, 3 part)
- 22.8 M people in 2011
- 94% urban population
- 62% area has detailed plans
- 30% ULBs, 32% SPAs
- 17 Municipalities (30% area, 91% popular
- 35 Census towns (5% area, 3% population)
- 994 Villages (65% area, 6% population)
- 38 Planning Authorities
- 14 Infrastructure Agencies
- 25% area under designated forests





Administrative Boundaries



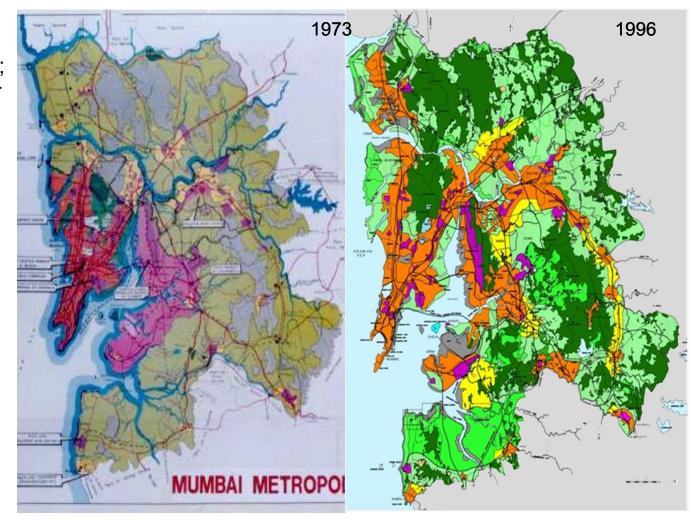
MMR: What for?

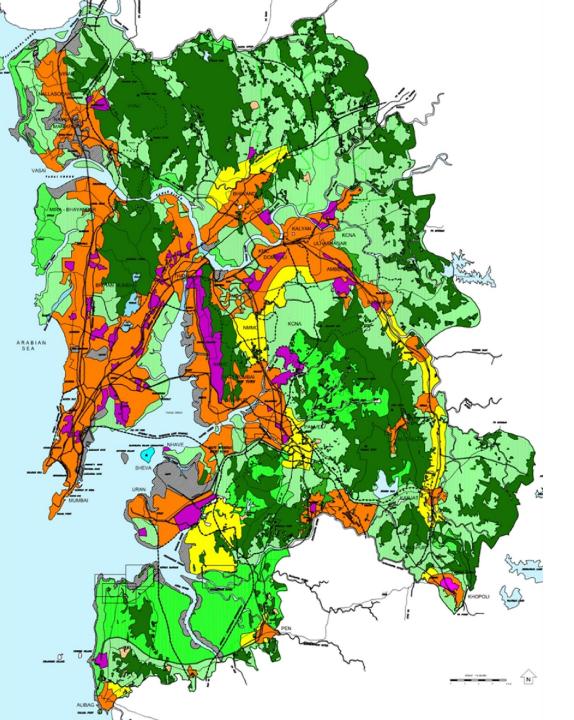
Reasons for MMR's emergence

- Fast growing Mumbai, physical constraints for lateral expansion, activity concentration at one end, long and uni-directional commuting
- Industrial and office sector dispersal policy
- Need for expansion across mainland, eastward
- Result combination of newtowns, smaller growth centres
- MMR delineated over influence area, spatial planning initiated in 1973
- Navi Mumbai new town planned and developed
- Activity de-concentration from Mumbai began : new CBDs, industrial dispersal, new port, shifting of wholesale markets

- Two Regional Plans prepared in 1973 & 1996
- Helped map the region; provided framework for spatial development of region; and identifiede areas for urbanization
- MMR planning for balanced growth of region
- Focus on deconcentration of economic activities
- Shifting office jobs, industries and wholesale markets from south Mumbai; creation of new Port and Airport.

The earlier Regional Plans





Regional Plan 1996-2011

No.	Use Zone	Code	
Development Zones			
1	Urbanisable Zone 1		
2	Urbanisable Zone 2		
3	Industrial Zone		
4	Recreation Zone		
Low Development Zones			
5	Green Zone 1		
6	Green Zone 2 (sensitive)		
Conservation Zones			
7	Forest Zone		
8	Wetlands		
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- 29% area for development,
- 39% area for low development,
- 32% area for conservation

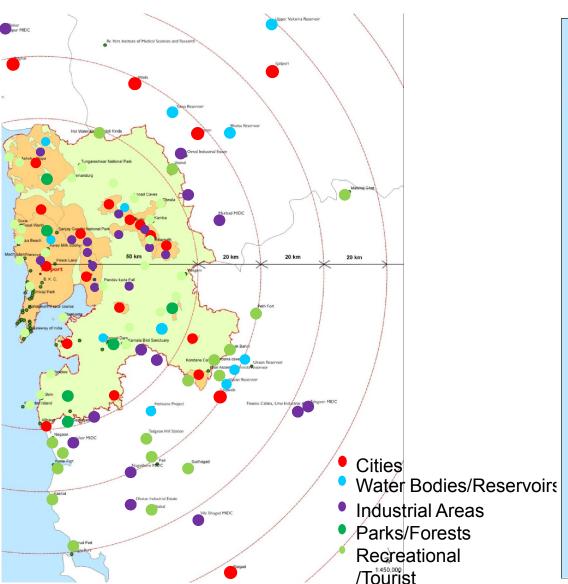
RP: Achievements

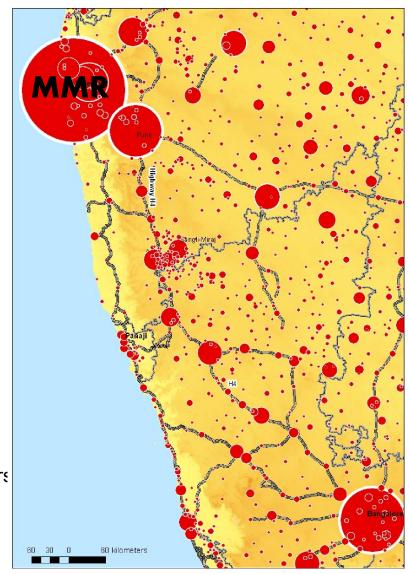
RP has been able to

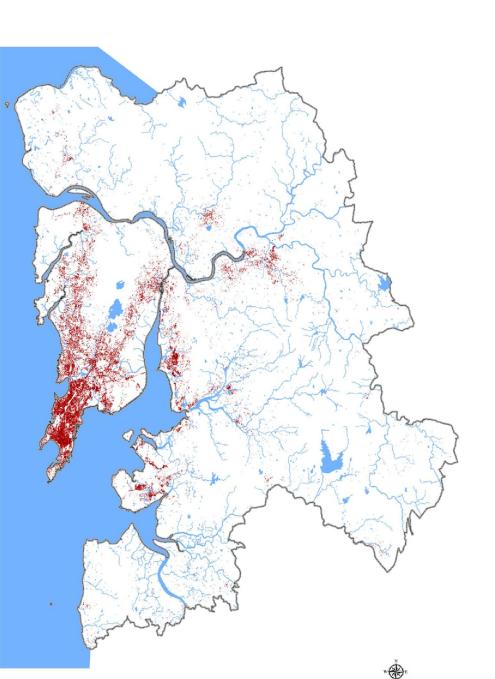
- Channelise urbanisation in direction and extent
- Promote new towns and growth centres
- promote industrial location policy
- indicate potential areas for economic and tourism dev.
- alter Mumbai Plan to achieve regional objectives
- curb industrial and office sector developments in Mumbai
- influence activity decongestion in Mumbai
- encourage use conversions and redevelopments in Mumbai

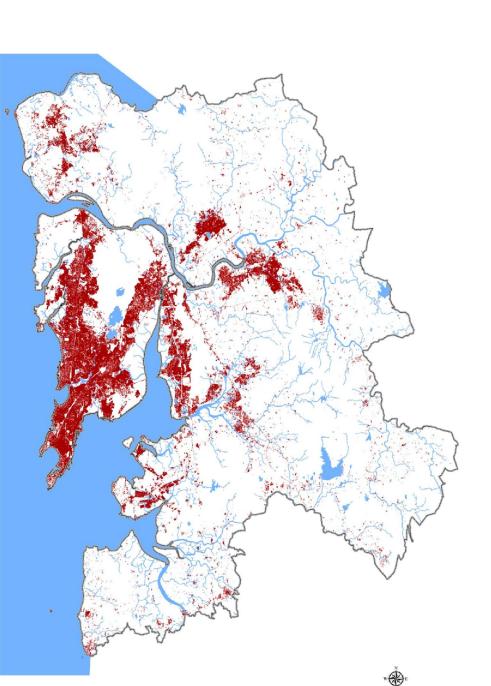
MMR Characteristics

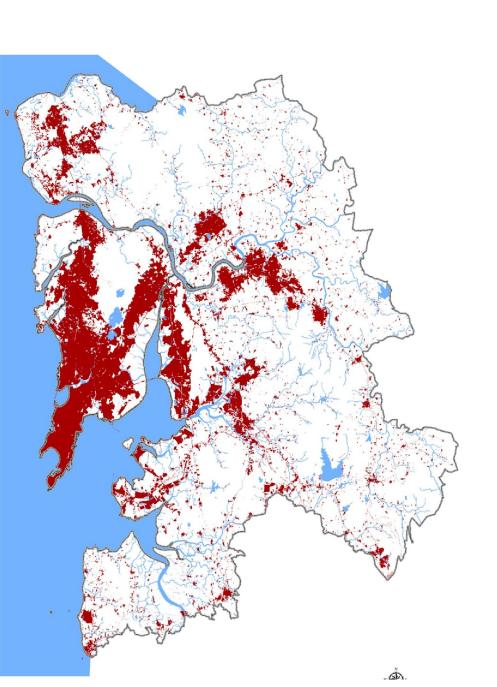
MMR and Surroundings

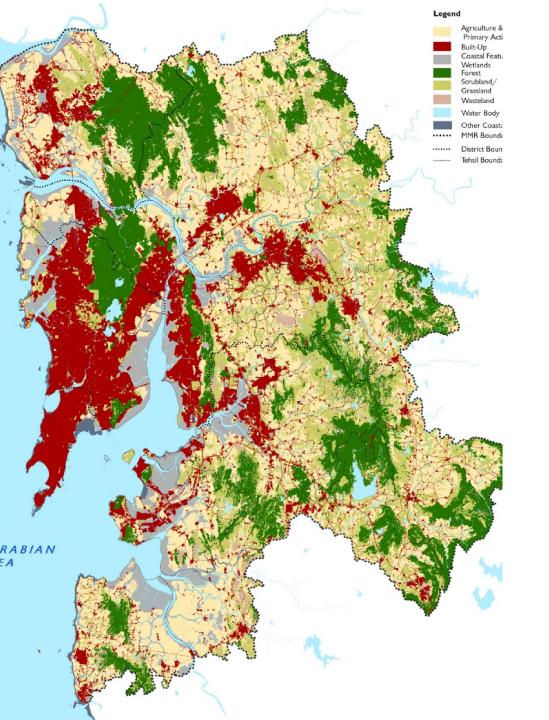








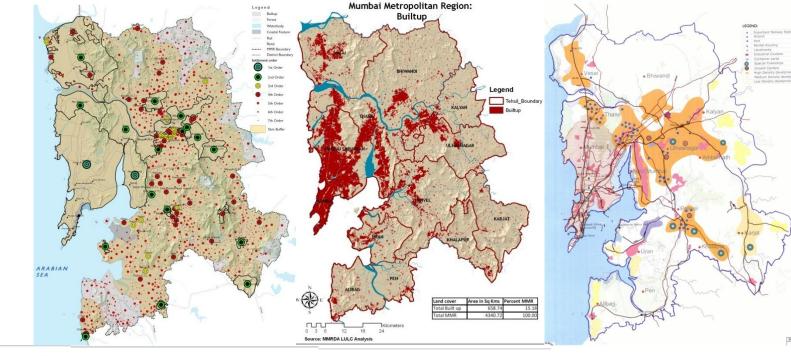


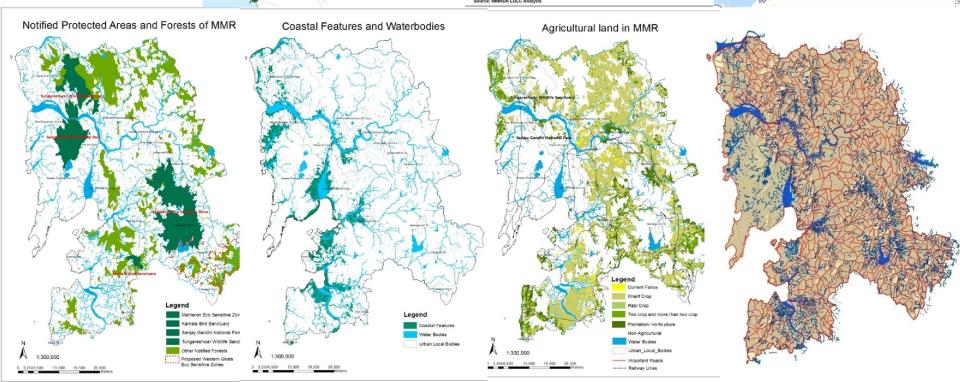


Land Use :2008

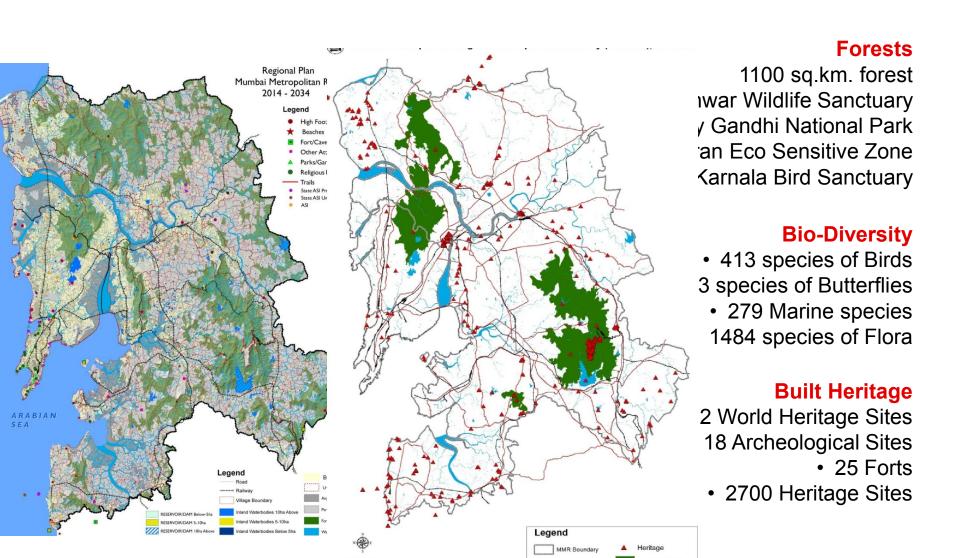
- 53% Agriculture
- 16% Built up
- 7% Coastal wetland
- 19% Forest
- 5% Water Bodies

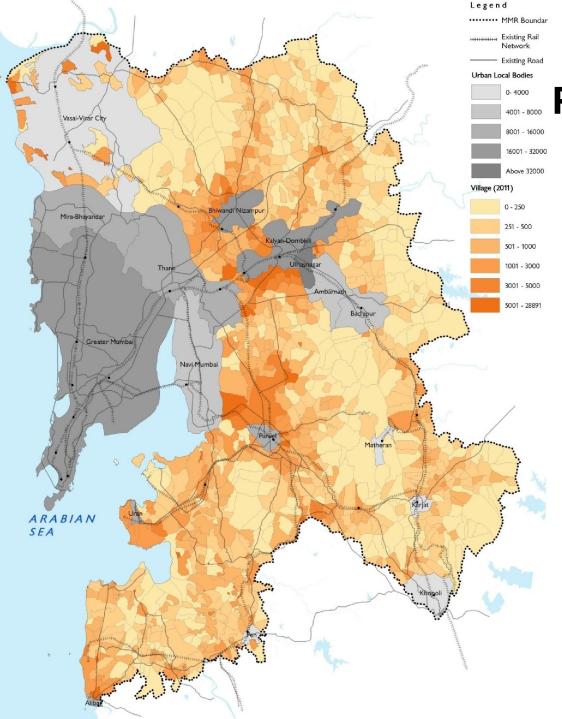
MMR





Environment and Heritage





Population Densities

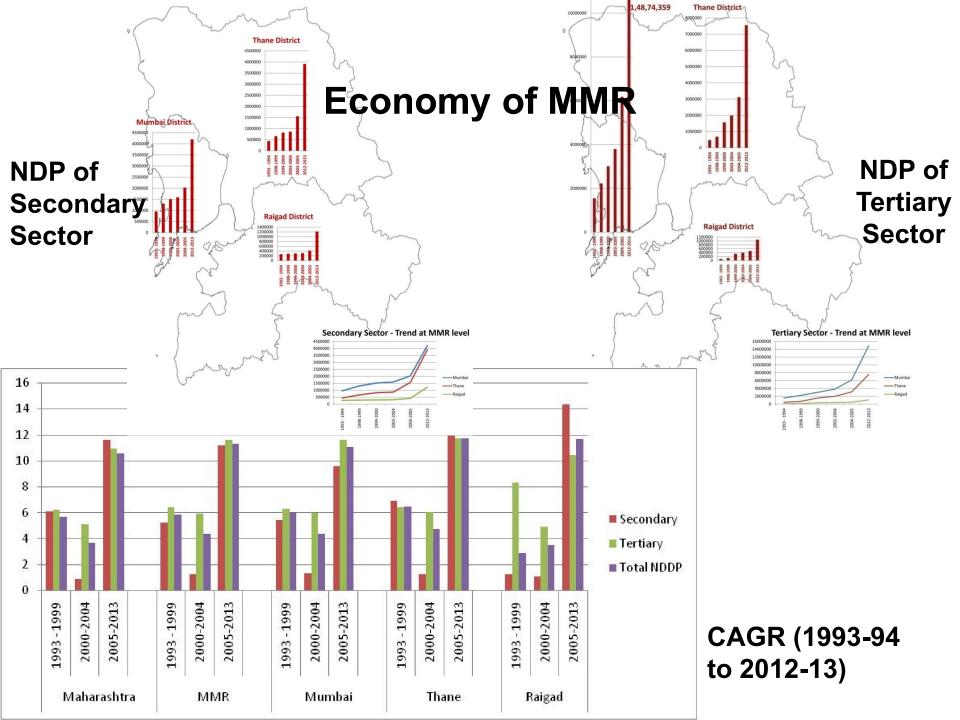
Densities of cities

- Current gross densities
 4,000 40,000 P/Sq.Km
- Current net densities
 7,000 40,000 P/Sq.Km

Projection for 2011-31

- MMR population in 2034 : 30.43
 M
- Mumbai's share to reduce to 38 % (55% in 2011)

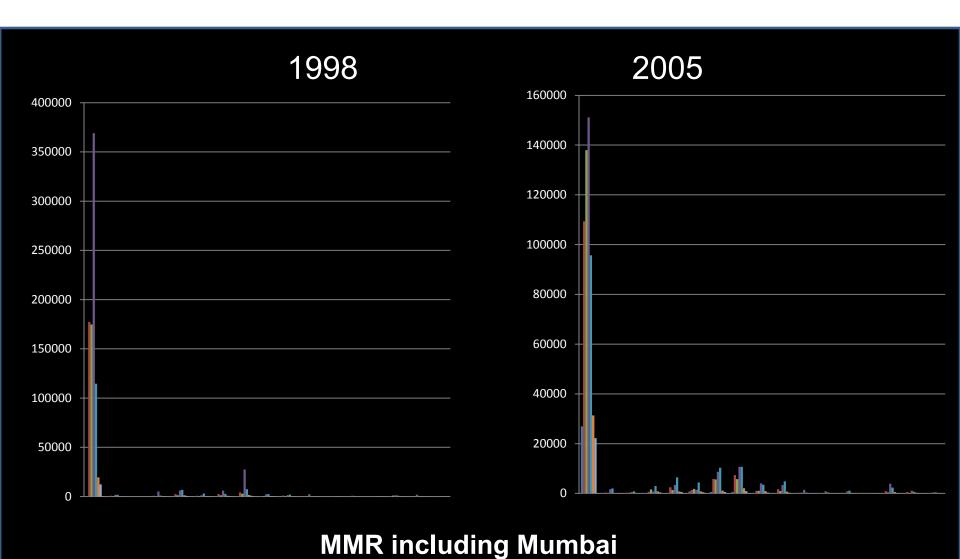
If current trends continue, density of all cities - 40,000 P/Sq.Km by 2034.



Employment in MMR

- 39% population working rate of increase higher for females
- Growth rates higher during 2005-2013
- Tertiary sector growing at higher rate
- Secondary sector growing at lower rate
- Primary sector declining
- Mumbai still retains a large proportion of jobs, but its contribution to additional jobs reducing

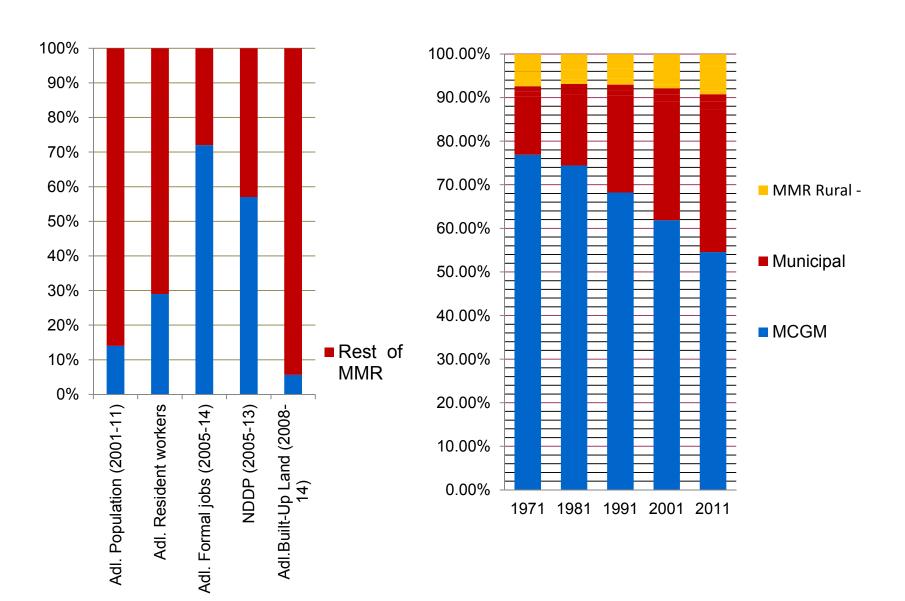
Office Sector Employment



Office Sec tor Employment



Share of Mumbai in MMR



Issues for the 3rd Regional Plan

Consultations

General suggestions

- Brand MMR as an entity
- Communicate what it to citizens, ULBs, Maharashtra, India and World
- <u>Dovetail</u> into Central/State vision for common purpose/better results
- Make full use of spectrum of powers and capacities of MMRDA
- Implement specific actions where land & regulatory powers available

Regional Information System

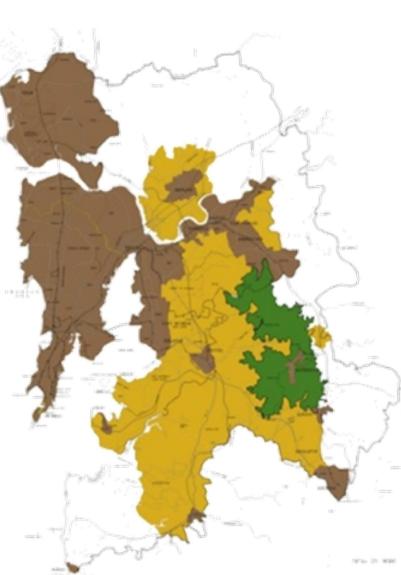
- MMRDA to become <u>Regional Observatory</u> for Data & Intelligence
- MMRDA to assume a greater role in <u>Regional Management</u>
- In 3 phases Needs assessment, staffing&capacity bldg, observatory

Institutions, Finance and Implementation Strategies:

- Create/strengthen <u>platforms</u> for agencies to generate ideas together
- Find areas of common interest and incentivise <u>collaborative action</u>
- Examine effect & consistency of <u>local plans</u> to meet regional vision
- Develop a <u>monitoring system</u> of the Regional Plan
- Develop Municipal <u>financial information system</u>
- Establish <u>dedicated funds</u> for MMR infrastructure development
- Develop non land-based instruments to finance infrastructure

Regional Plan 2014-34 : Focus

No	Concern	Therefore	
1	Population growth slowing down - empl increasing - economy stagnant	Transportation/other infra. estimates need revisiting	
2	Declining manuf industry – tertiary sector not matching GDP with jobs	Manufacturing needs to be brought back with various strategies	
3	Mumbai's share in population reducing, but not in jobs at that scale	Dispersal of jobs in new growth centres across the region needed	
4	Peri-urban developments without governance	municipal extensions and new municipalities	
5	Urban-rural imbalance	Cluster development of rural areas	
6	Only 38% of MMR under direct land-use control	RP focus should be on co- ordinated development of constituents	
7	Data paucity for planning	Regional Information System	
8	Inadequate infrastructure,	Demand and supply need rationalisation, new	



Mumbai Metropolitan Region Development Authority

 MMRDA created as an institution responsible for planning and development of MMR

Strengths:

- Regional and micro planning, regulating developments,
- Execution of projects,
- Development Co-ordination,
- Institution building,
- Rehabilitation of the displaced
- Formulation of PPP projects,
- Land development, and
- Financing Infrastructure Agencies and Municipalities

Powers

- to direct other institutions towards actions,
- to levy betterment charges,
- to acquire lands for public purpose

Regional Development Issues

Multiple agencies

- Several big cities in MMR self identities, historic compete
- Multiple infrastructure agencies national, state, local
- Multiple Planning Authorities and jurisdictions co-oordination issue
- Law doesn't provide for review of Local Plans by MMRDA

Data Paucity

- Boundary does not coincide with admin units (data issue)
- Data inadequate, not inventorised, with many instt, diverse, dissemination also an issue

Lack of Governanc • e

Absence of metro governance – Planning Authority can only perceive and plan for regional dev but not ensure its implementation

No financial base

- Regional level does not have devolved funds or revenue sources
 dev financing is an issue
- Land dev increasingly becoming a tool to raise finances: unsustainable

The Opportunity

- Floods of 2005 brought focus on to regional drainage
- Studies on Transportation & water resources, Business Plan Concept Plan and ESR provided valuable inputs for the next Plan
- Difficulties in municipal areas sought regional interventions in transportation, solid waste management and water resource dev.
- Need for regional institutions felt –MMRDA tryinig to play this role
- Public debate going on including in Courts of law, about city development and imbalances within the region
- Metropolitan Planning Committee will bring balanced regional representation into Regional Planning and Development

Thank you