

Elements and Concepts of
Methodology for Urban Infrastructure Development
Planning and Management based on System Approach Method
and its Verification through Case Studies*

December 8, 2011

Prof. Mamoru Haruna
Ritsumeikan University

Framework of System Approach

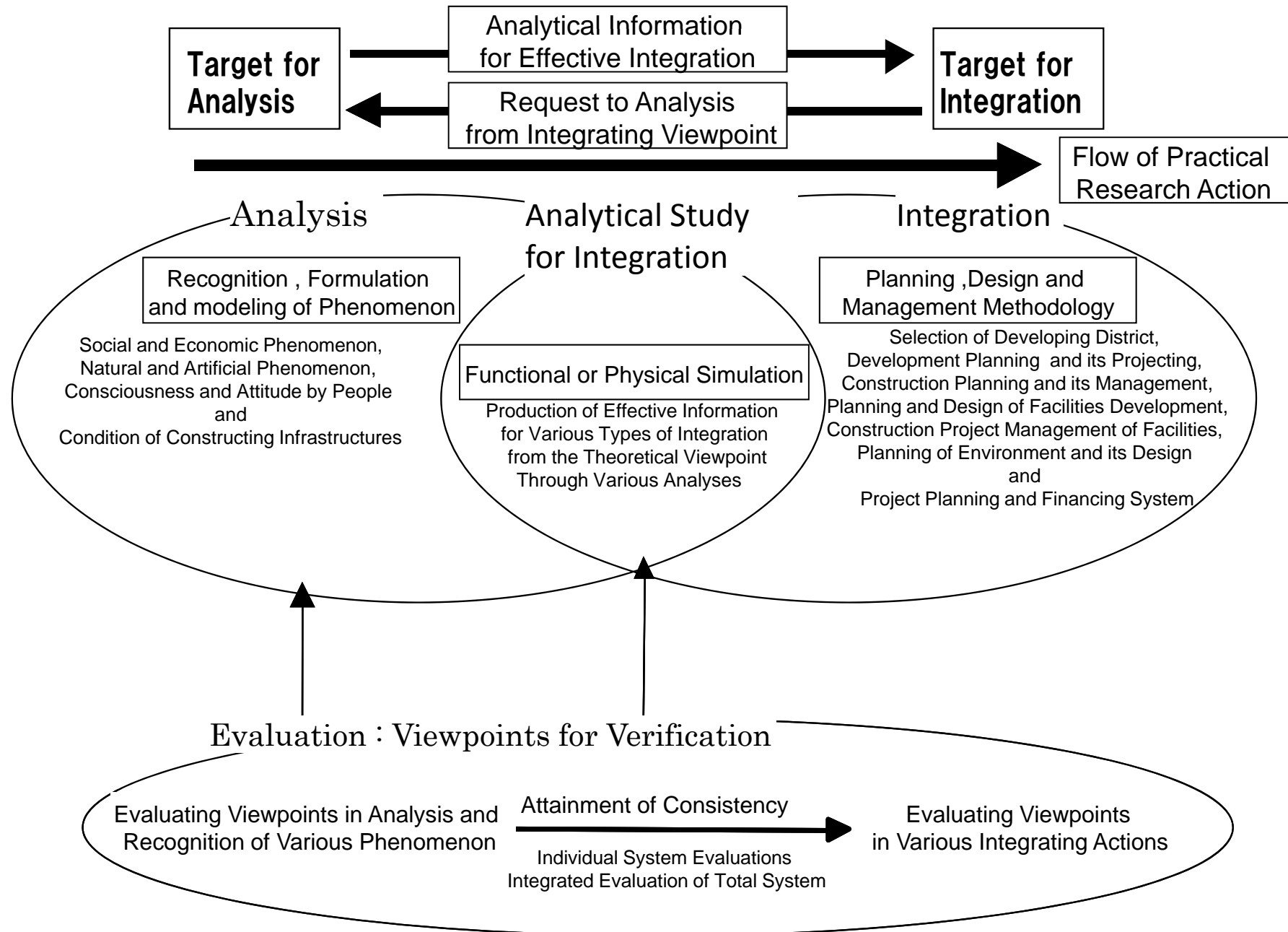
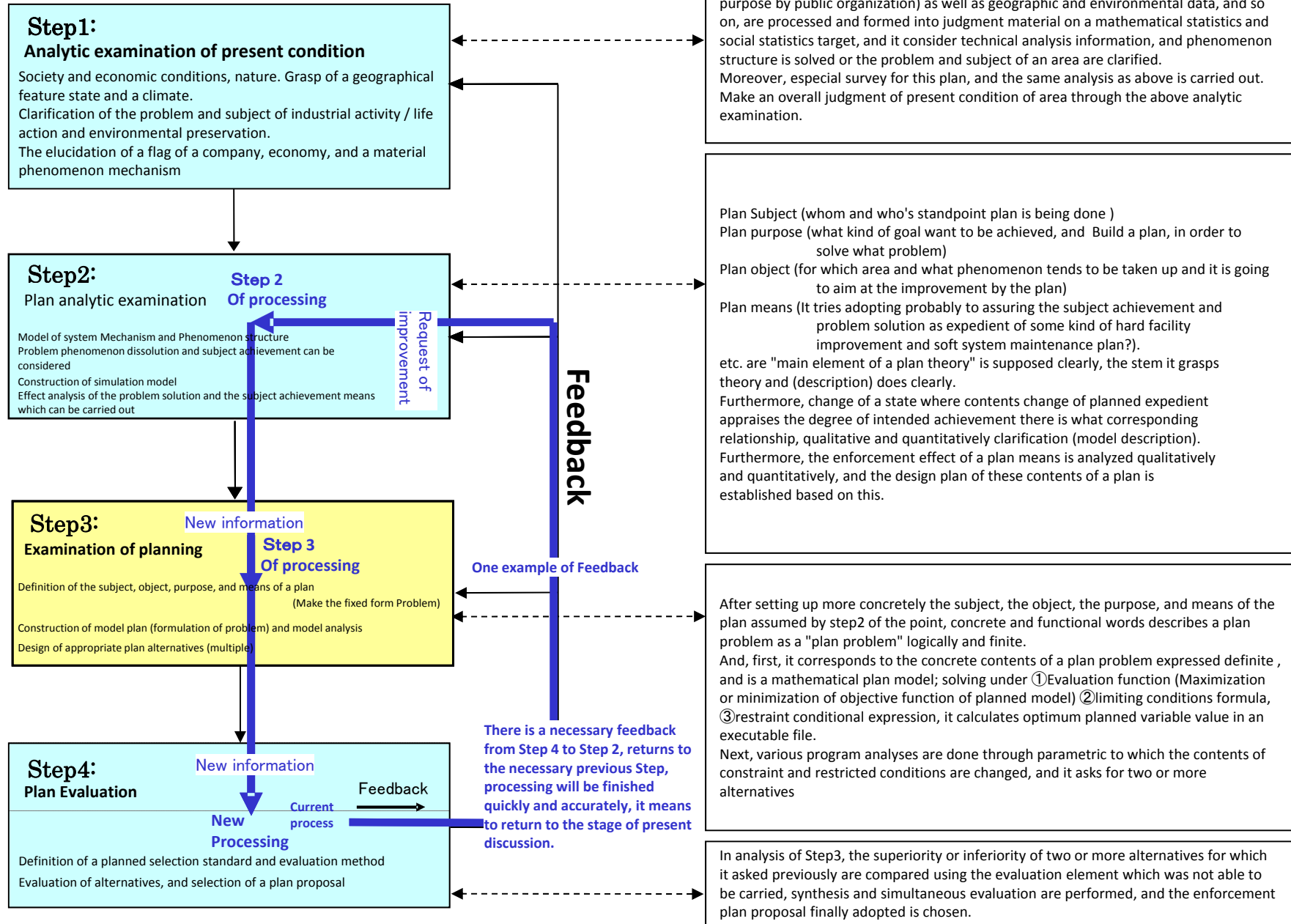
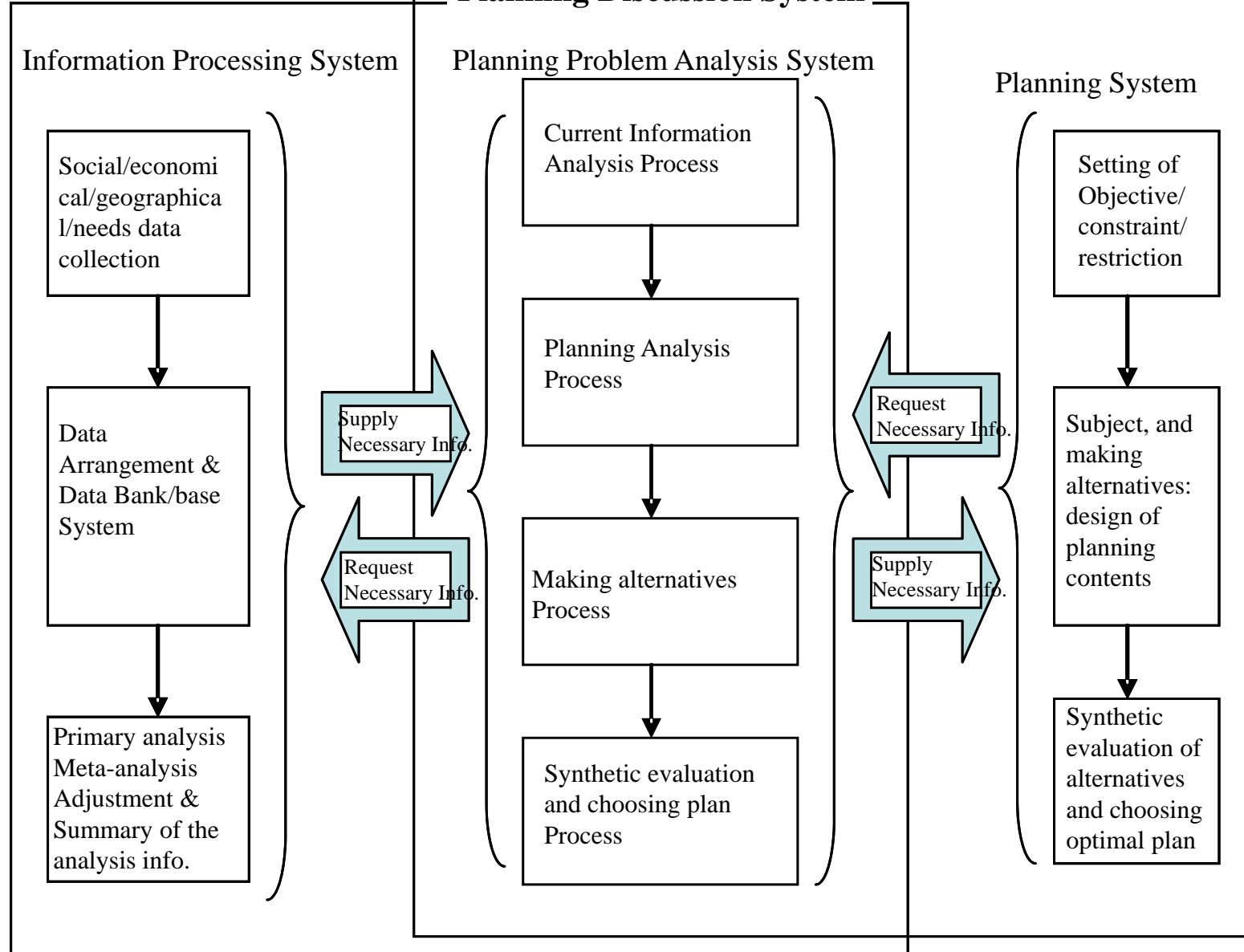
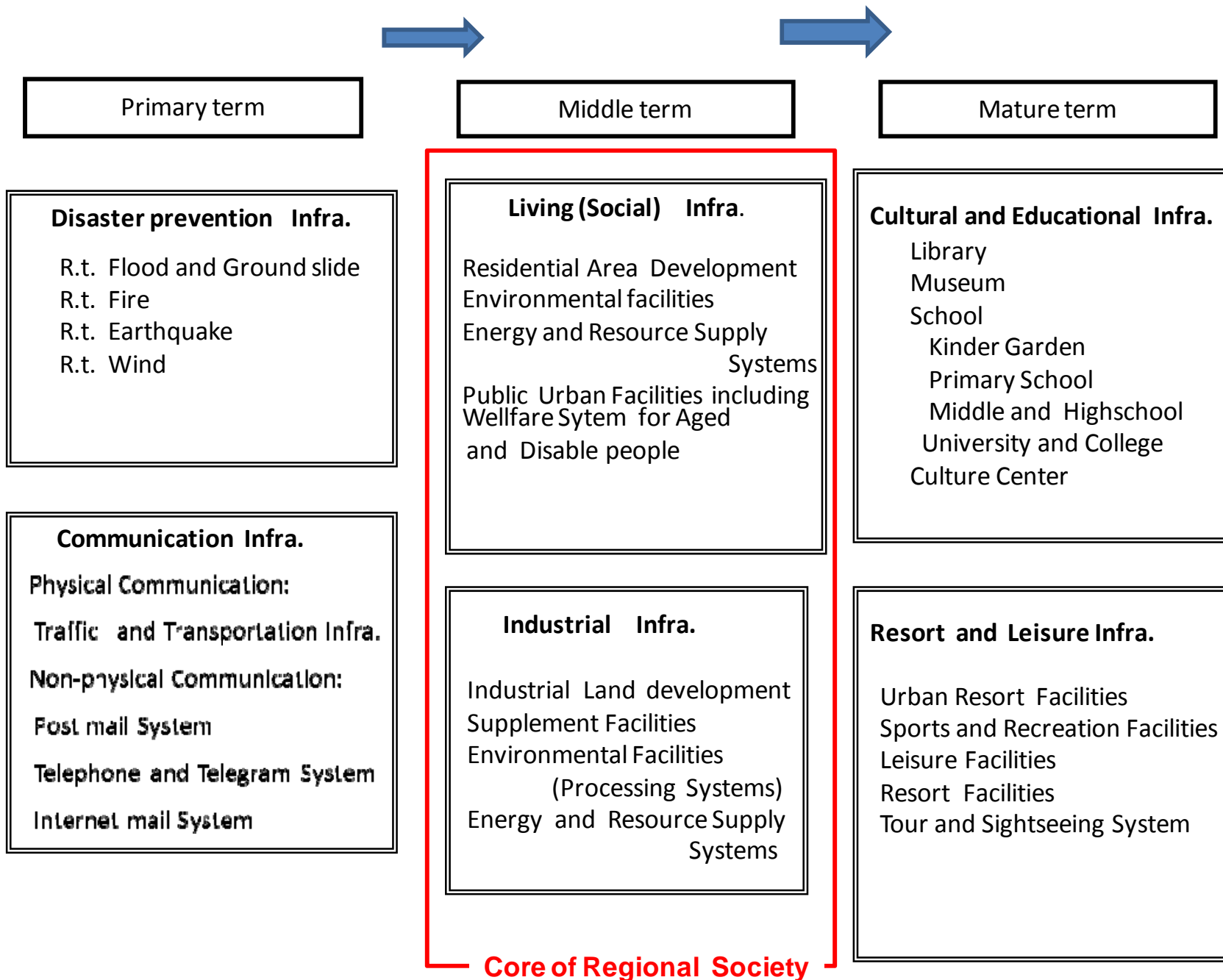


Figure process system in planning decision

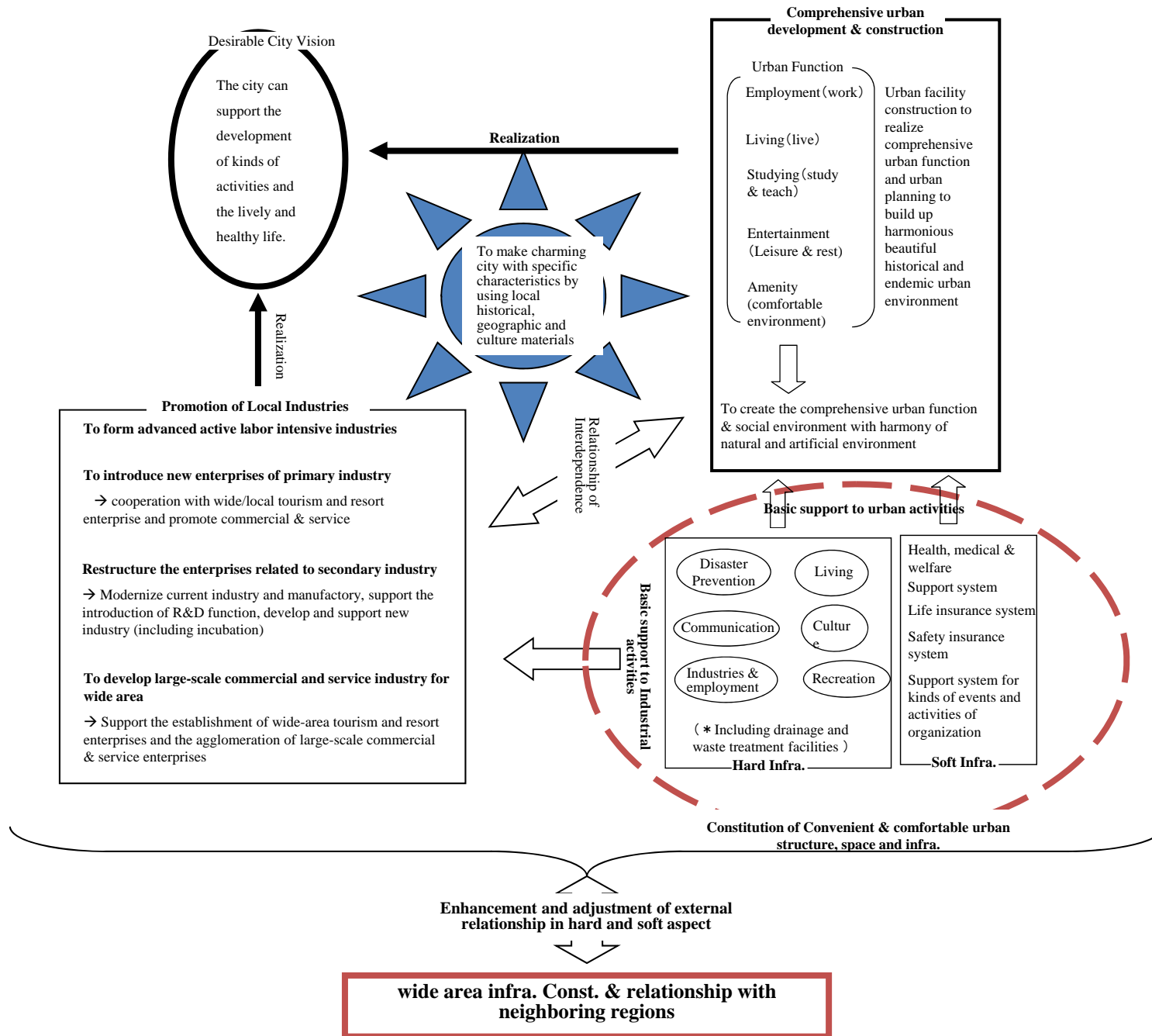


Planning Discussion System



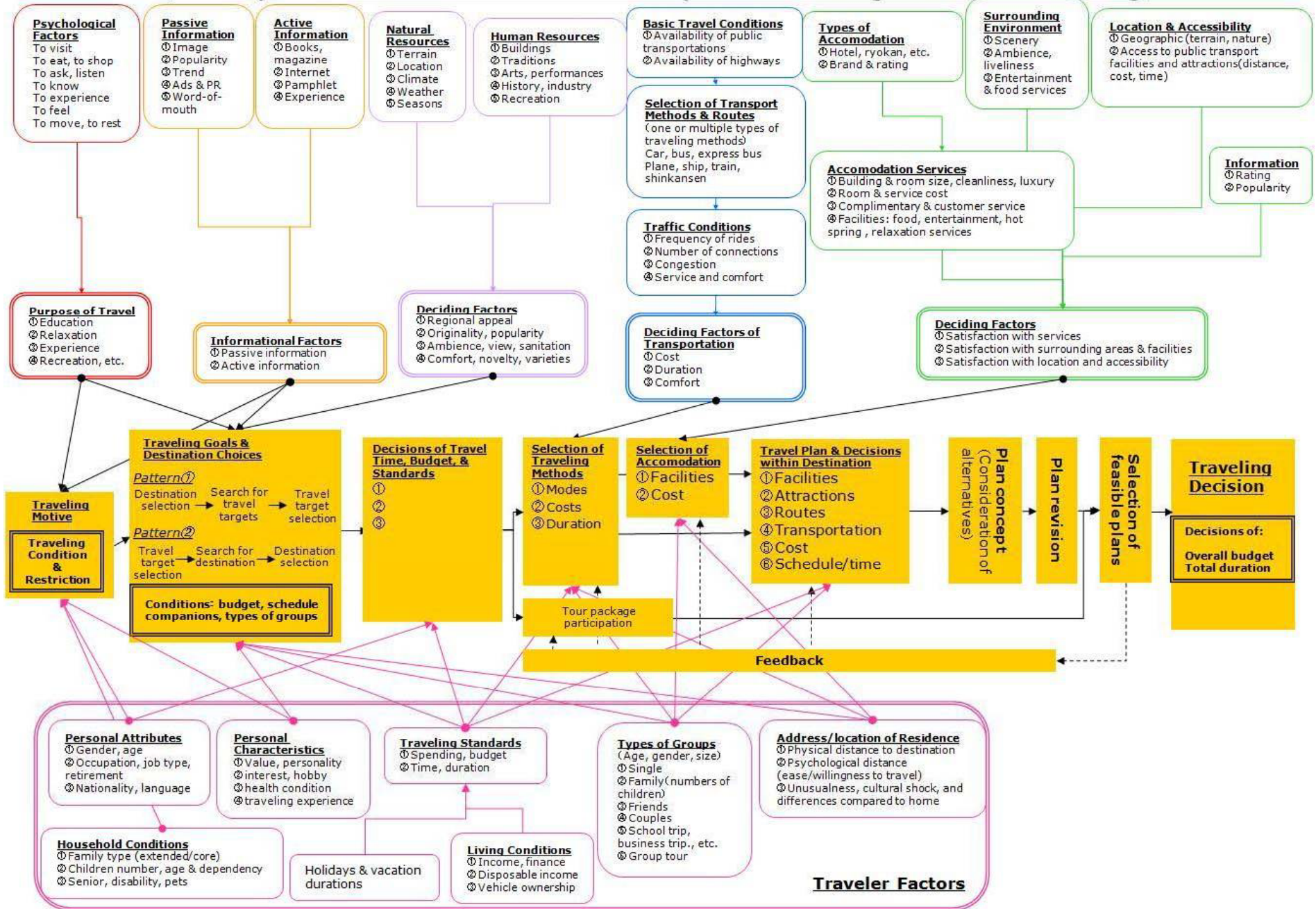


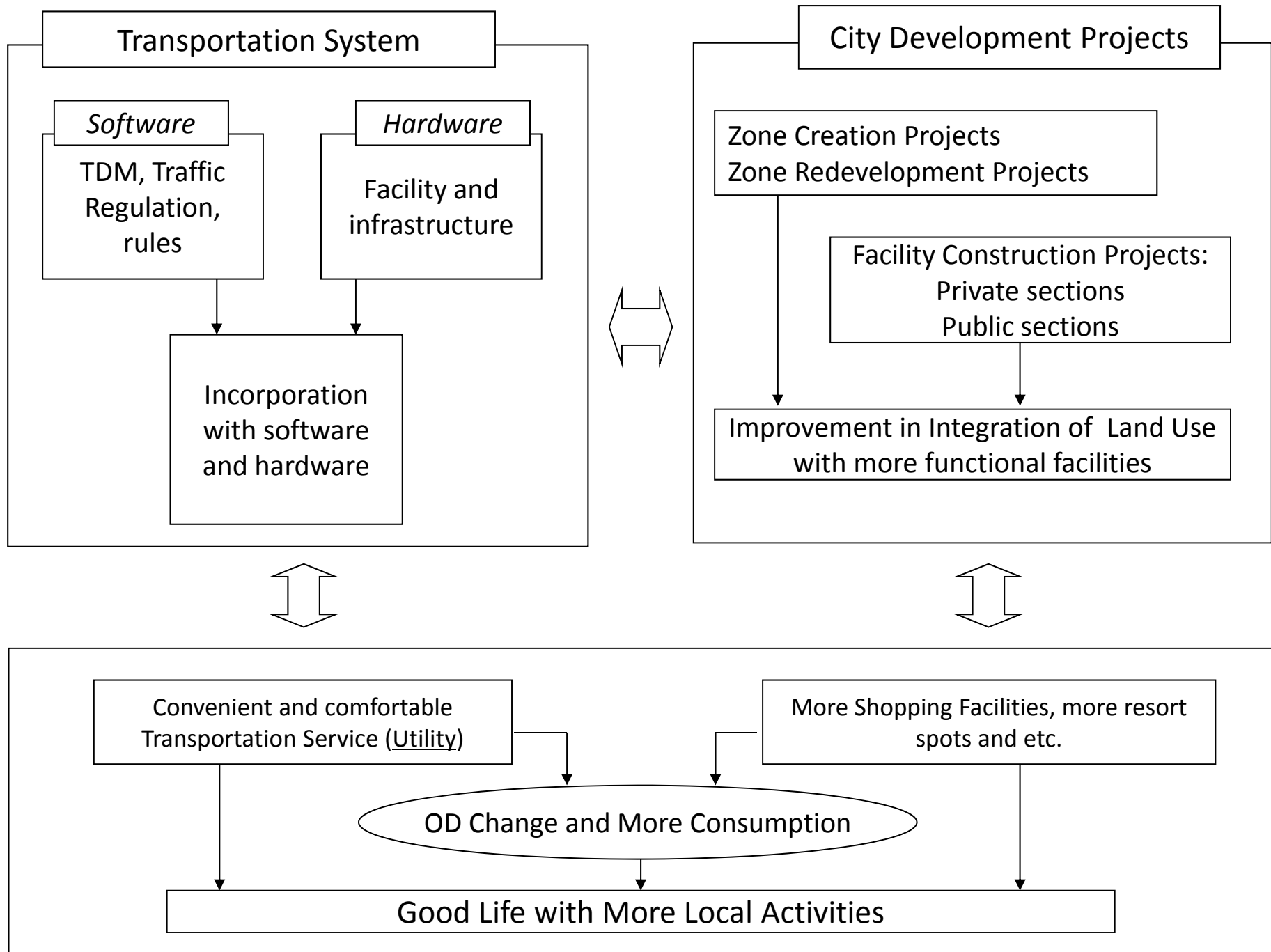
6 Types of Urban Infrastructure and there Relations

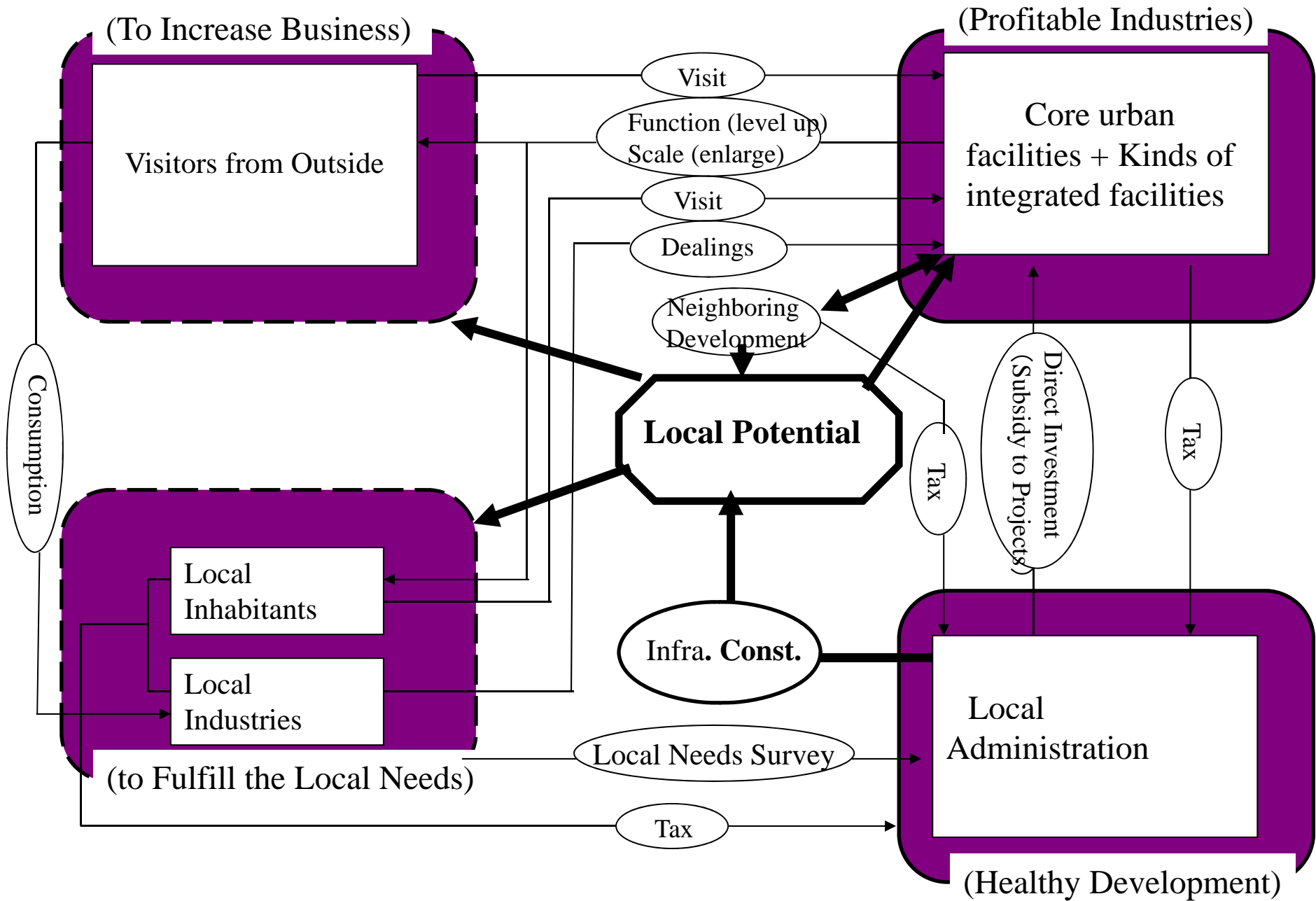


Framework of urban planning for local core city

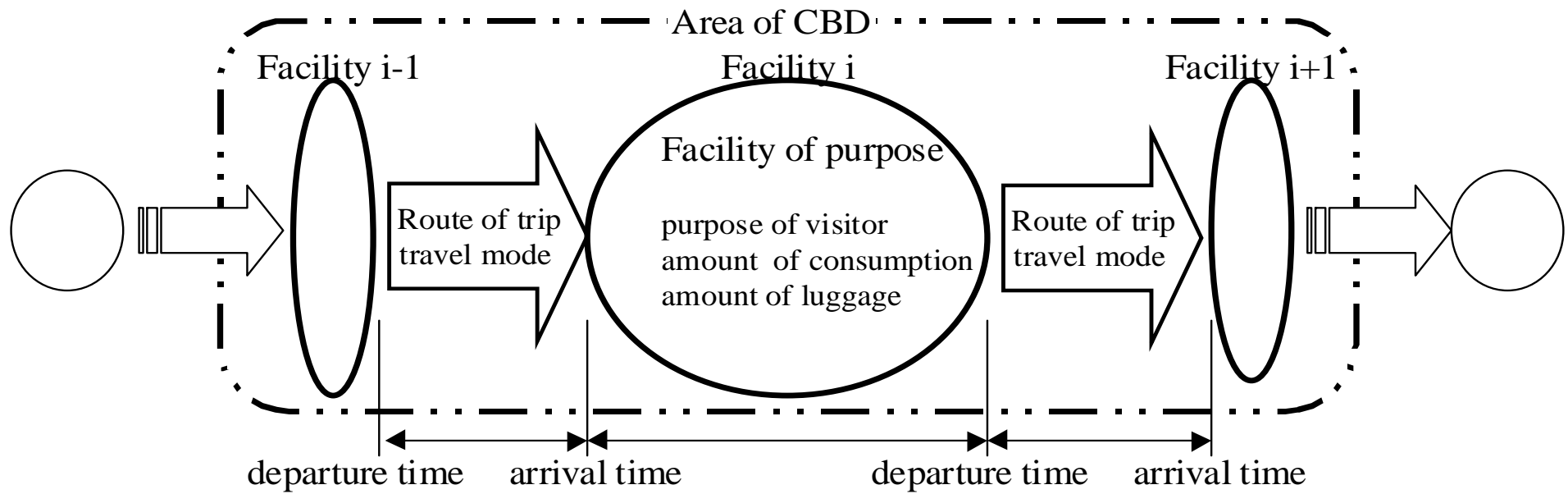
WBS (Work-Breakdown-Structure) of Traveling Decision Making





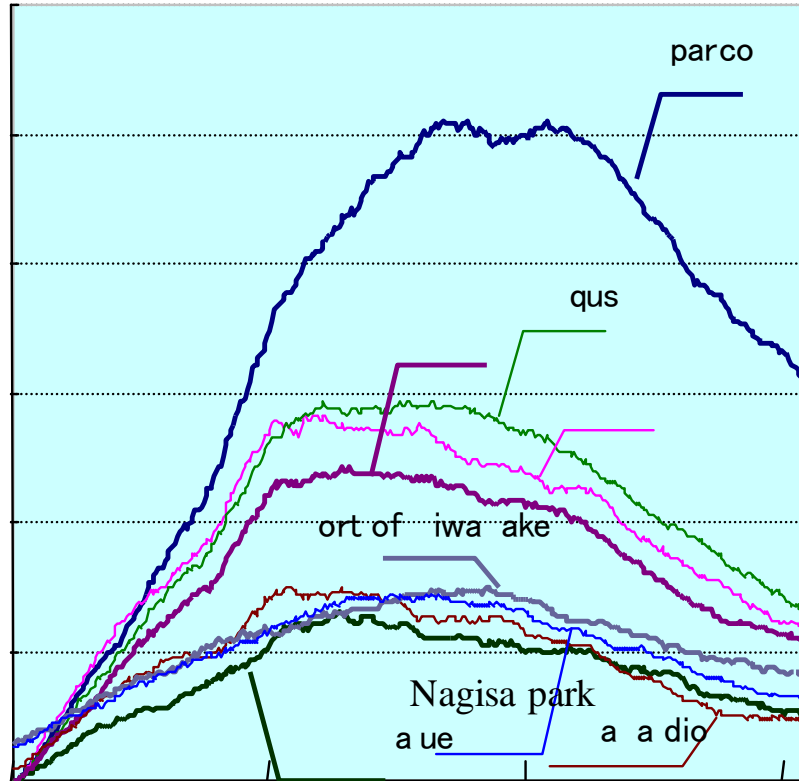


Problems to be solved
 Profitability

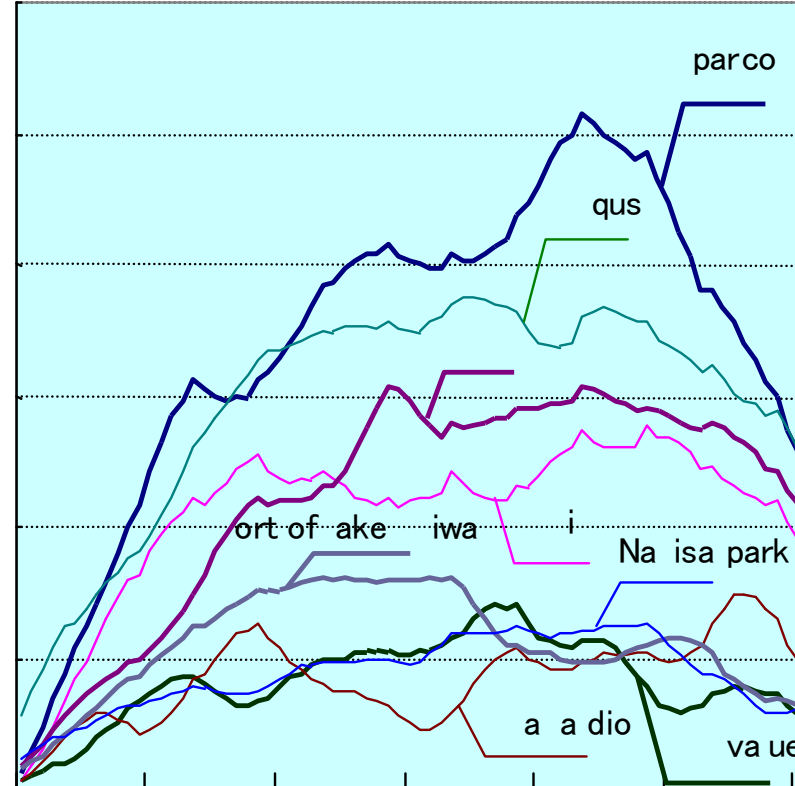


structure mode of human behavior person trip analysis in downtown district

Number of visitor



Number of visitor



name of faci it	kind of faci it	name of faci it	kind of faci it
parco	department store		department store
qus	amusement faci it	Na isa ark	park
	department store	a a a dio	s oppin center
port of ake iwa	port	a va ue	s oppin center

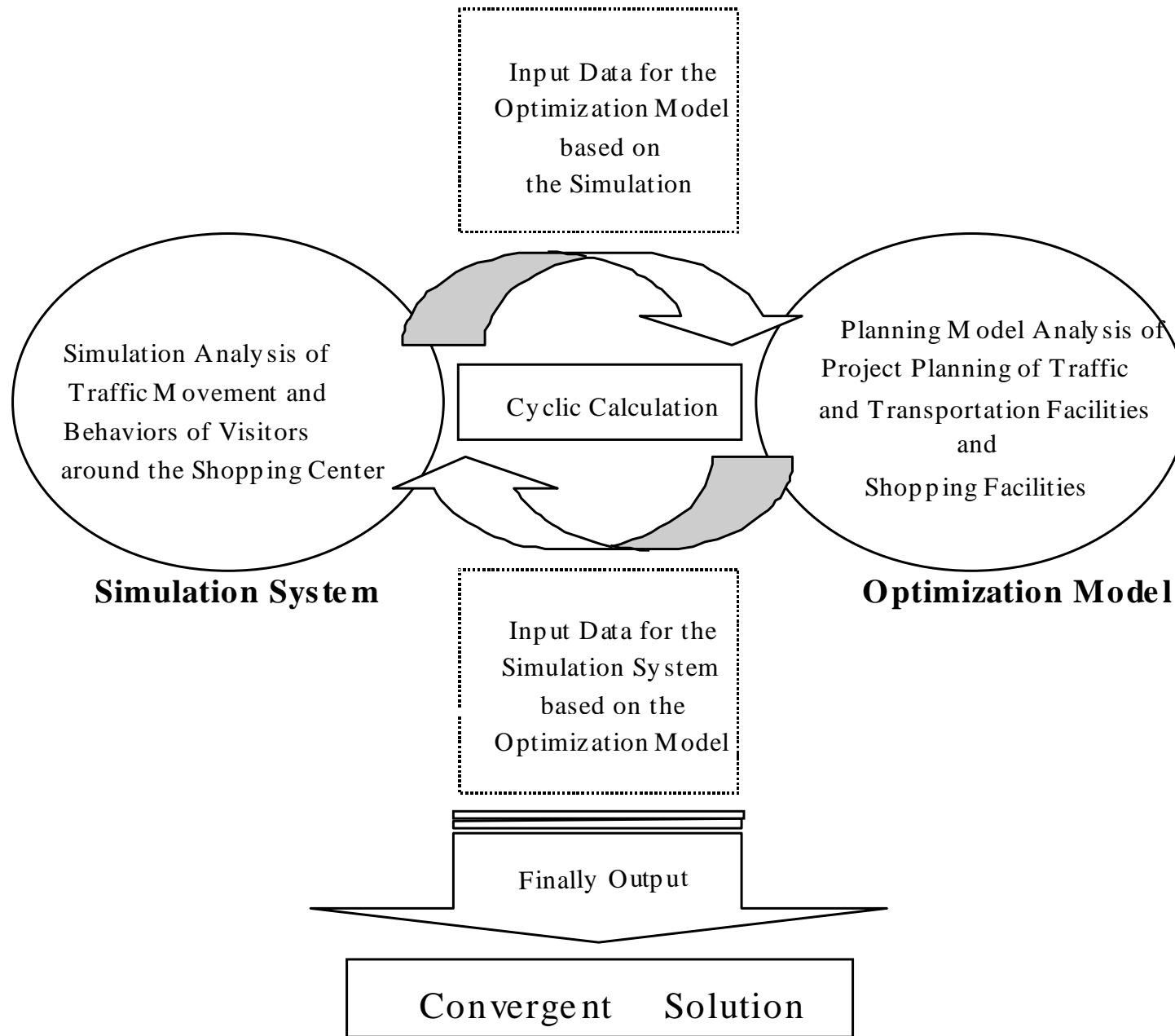
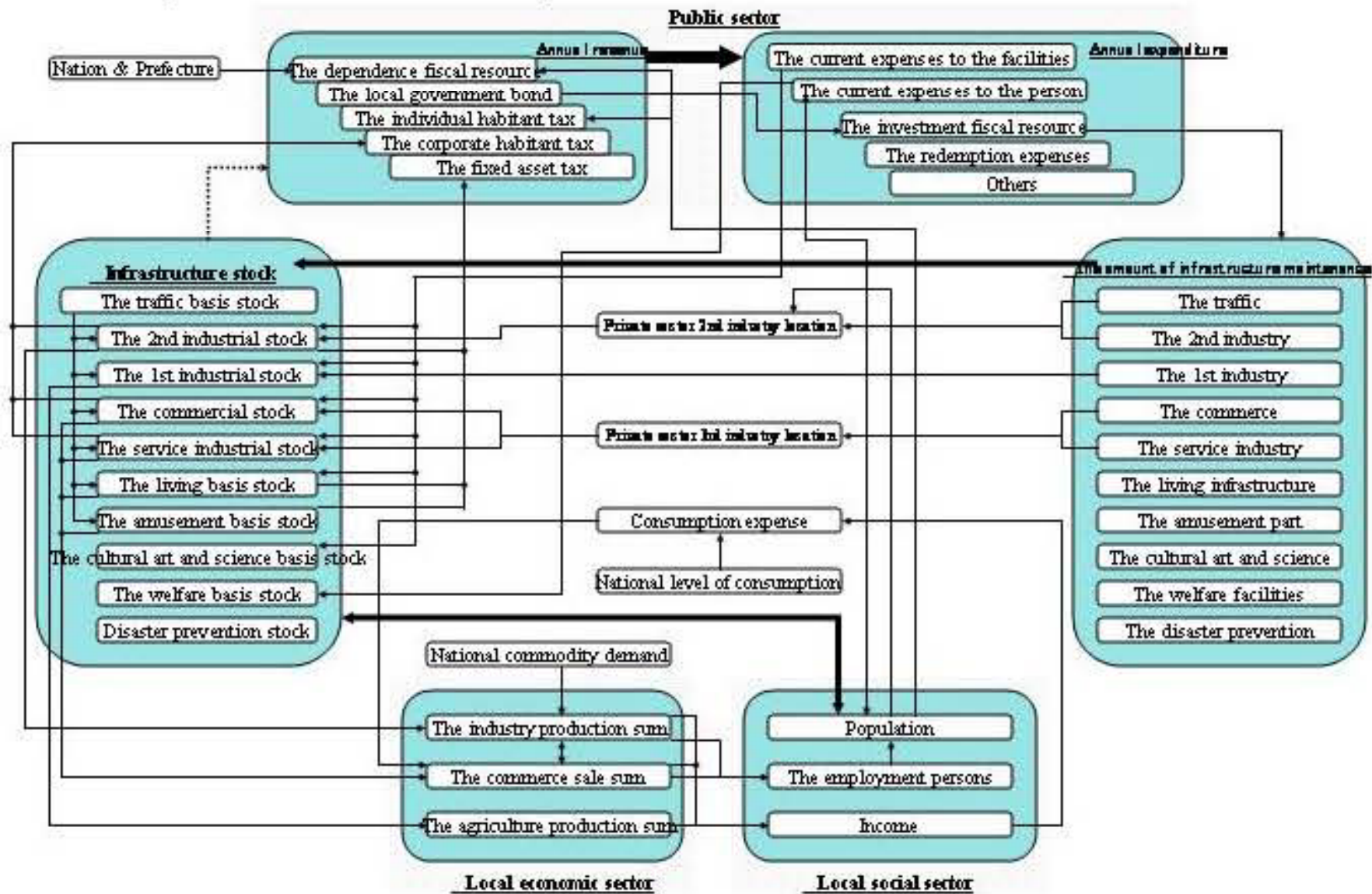
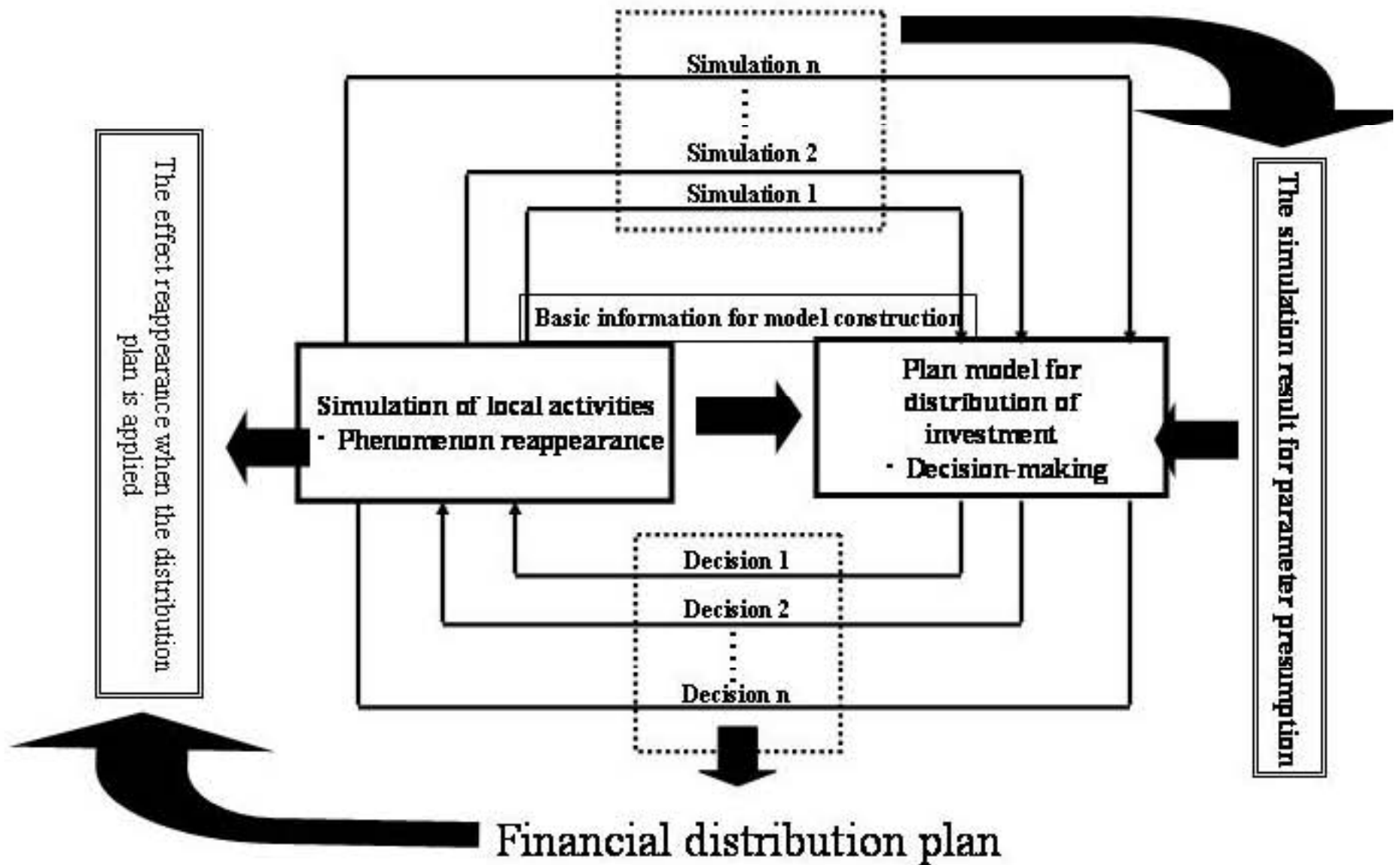


Figure Structure of Hybrid Planning Model

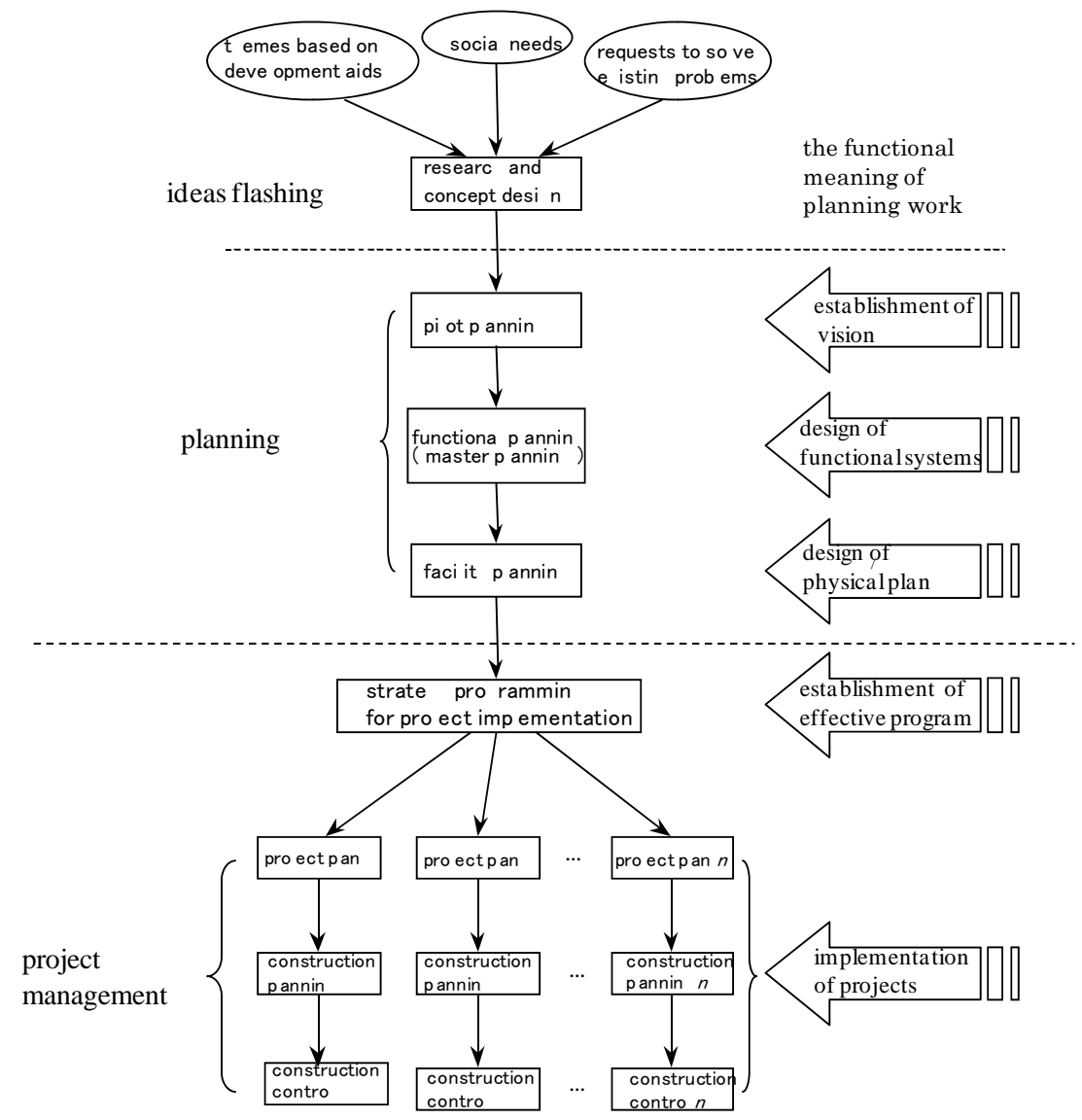
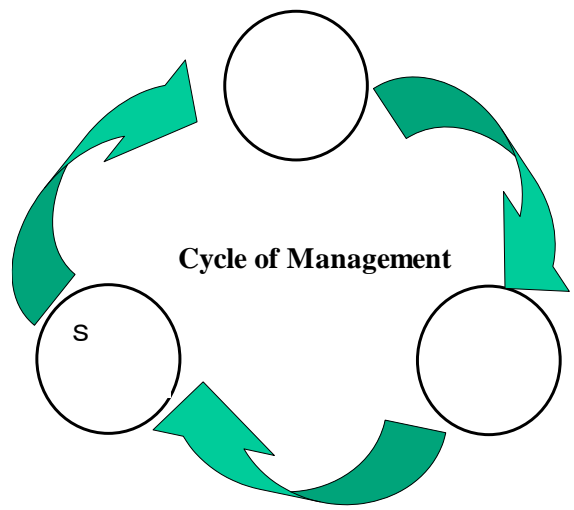


The Structure of Functional Relationship for Regional and Urban Activities

Hybrid model



stage-wise planning and management process



stage-wise planning and management process for urban and regional development projects

Theory System

