



METHODOLOGY FOR GENERATION FOR RECOVERY OF MUNICIPAL SOLID WASTE ON URBAN MUNICIPALITIES

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METHODOLOGY OF *VERSUS*

Valorización Enfocada en Residuos Sólidos Urbano

Valorization Methodology focus on municipal solid waste




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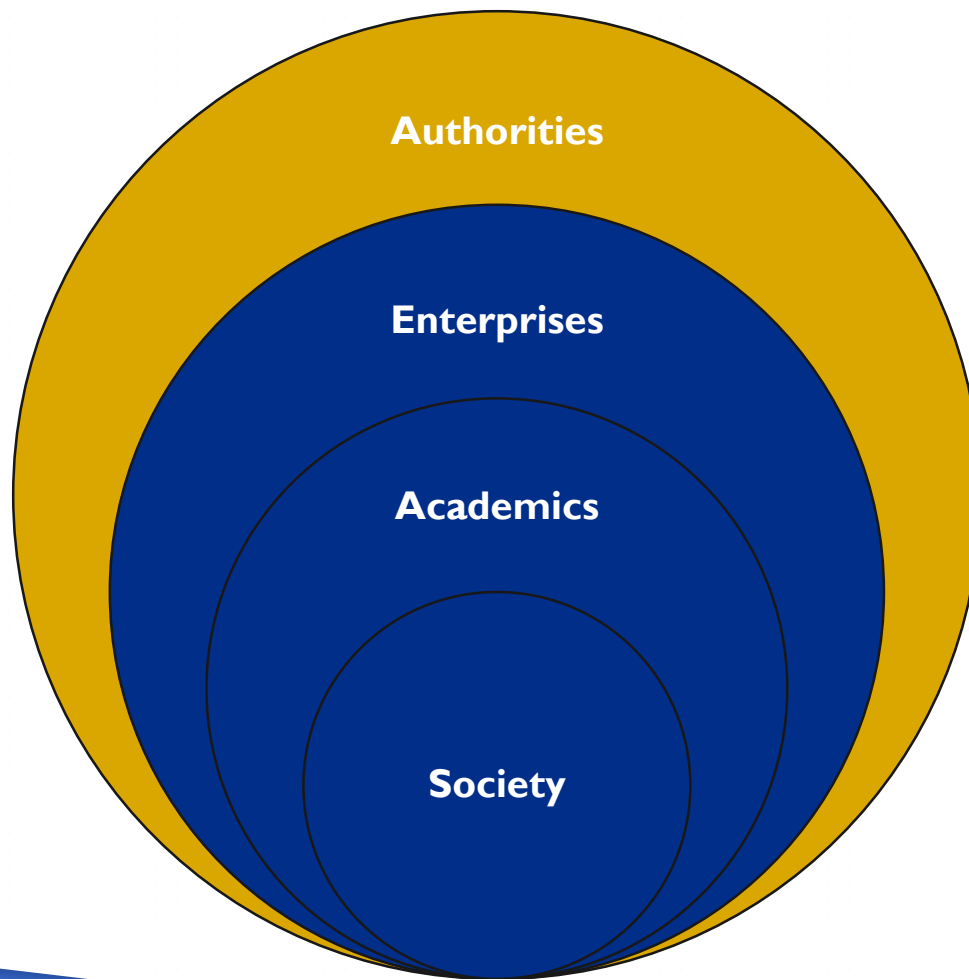
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OBJECTIVE

Help decision makers to
develop valorization
programs focus in
municipal solid wastes



WASTE MANAGEMENT PARTICIPANTS



MEXICAN SITUATION



- ▶ Most populated municipality

Ecatepec de Morelos, Estado de México 1,688,258 inhabitants

- ▶ Least populated municipality

Santa Magdalena Jicotlán, Oaxaca, 102 inhabitants

- ▶ Most populated city México D.F.

8,851,080 inhabitants

MEXICAN SITUATION

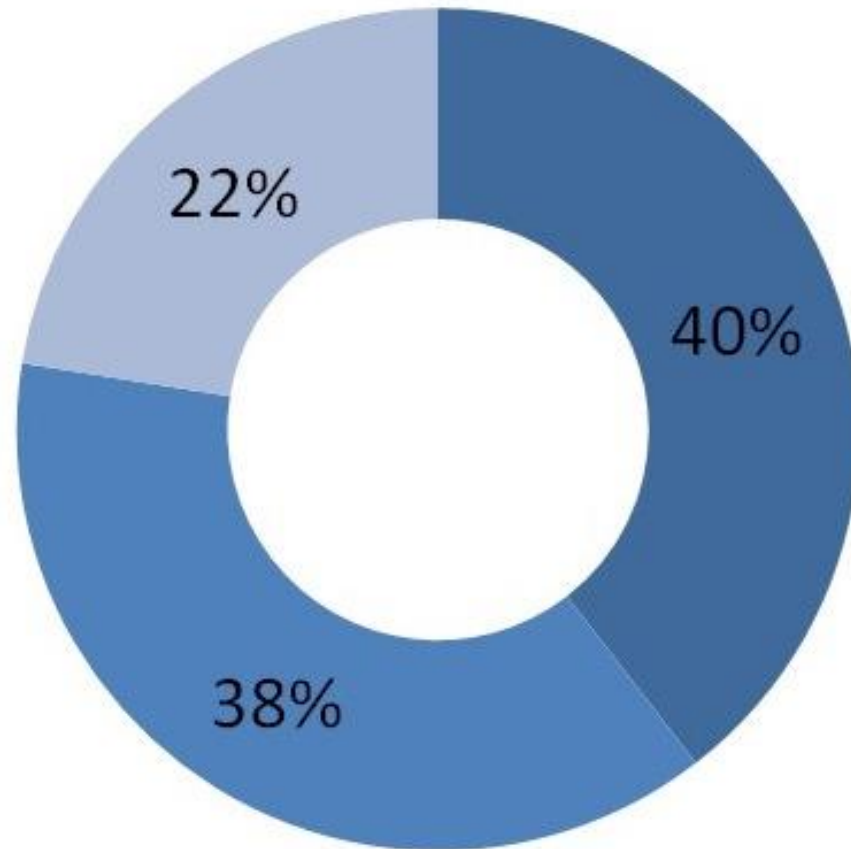
Annual waste management (1,000 tones)			
Year	Generation	Valorization	Percentage
2005	35,404.84	1,149.84	3.25
2012	42,103.00	2,099	4.99
			SEMARNAT, 2013

Paper and cardboard and recycling (OECD, 2005)	
Country	Porcentaje
Ireland	78
Switzerland	74
Poland	34
México	7


Glass recycling (OECD, 2005)	
País	Porcentaje
Sweden	96
Switzerland	95
Greece	17
México	13

MEXICAN SITUATION

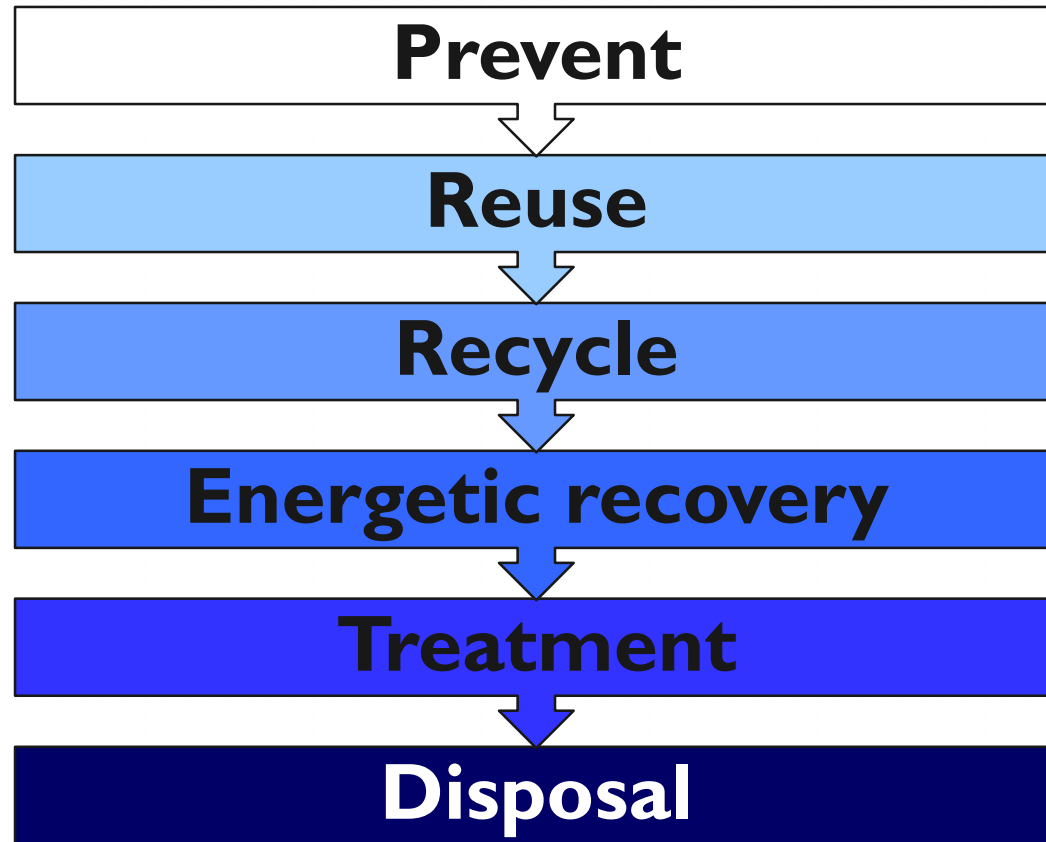
■ Recyclables ■ High degradation rate ■ Undeveloped system




METHODOLOGY OF *VERSUS*

- I. Guidelines
 - II. State and projection of waste management in the area
 - III. Valorization ways by kind of waste
 - IV. Social motivation
 - V. Separation system
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MANAGEMENT HIERARCHY



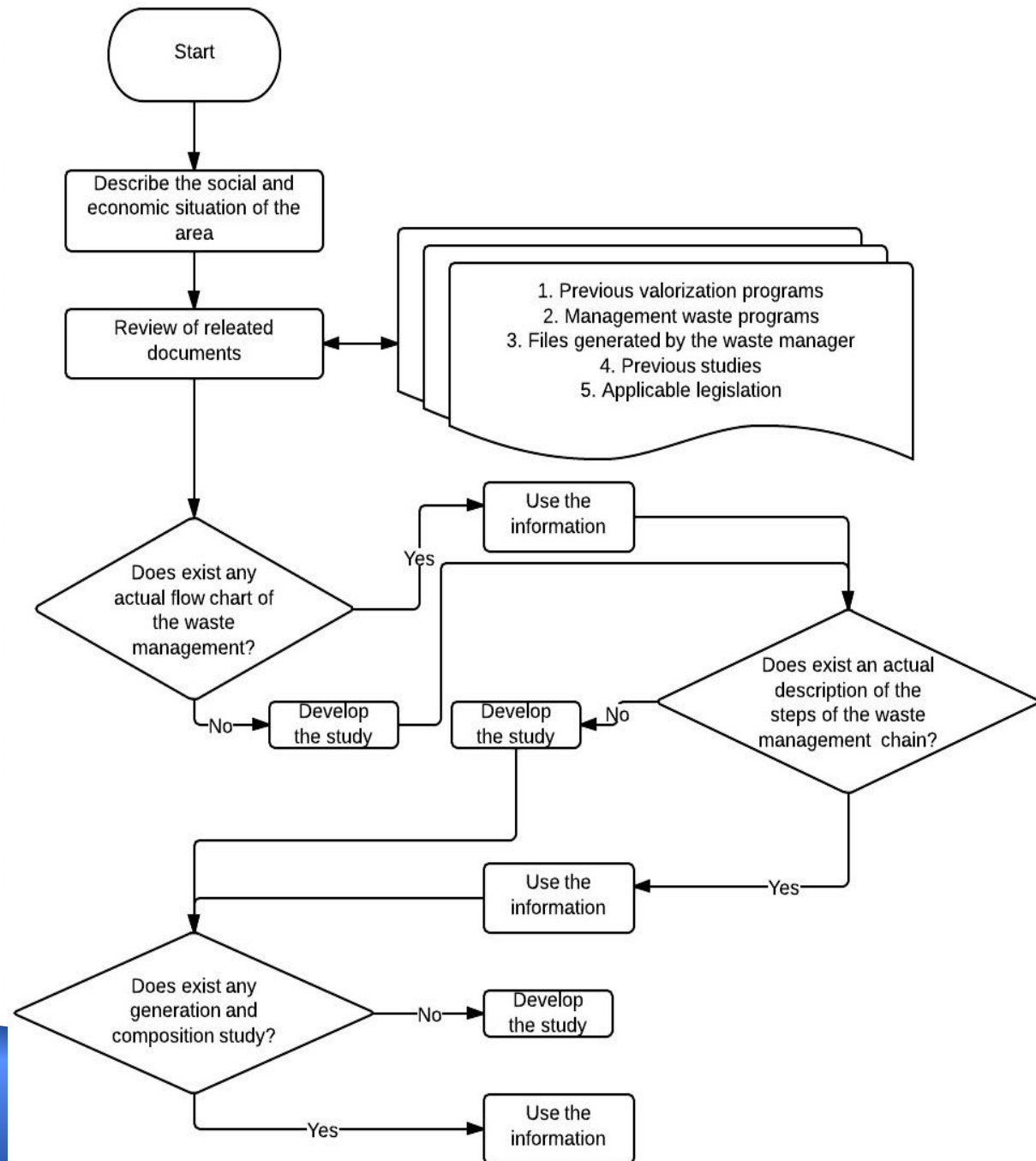
I. GUIDELINES

- ▶ What do we want?
 - ▶ What goals do we want to achieve?
 - ▶ How do we want to achieve them?
 - ▶ Boundaries of the program
 - ▶ Space
 - ▶ Time
 - ▶ Wastes
- 

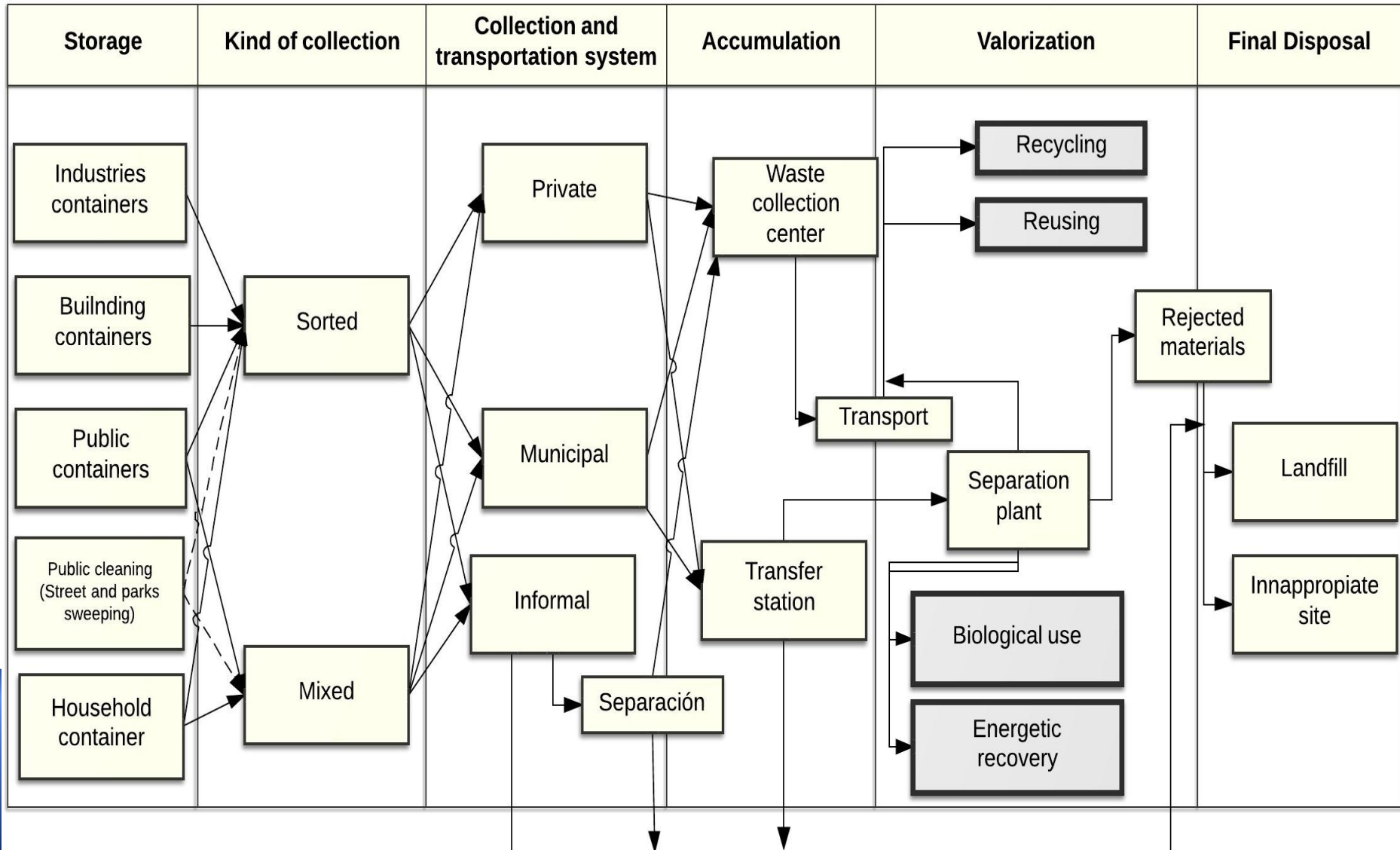
II. STATE AND PROJECTION

1. Background
 2. Generation, composition and density
 3. Population and generation projection
 4. Description of the actual management
 5. Market of the recovered material
- 

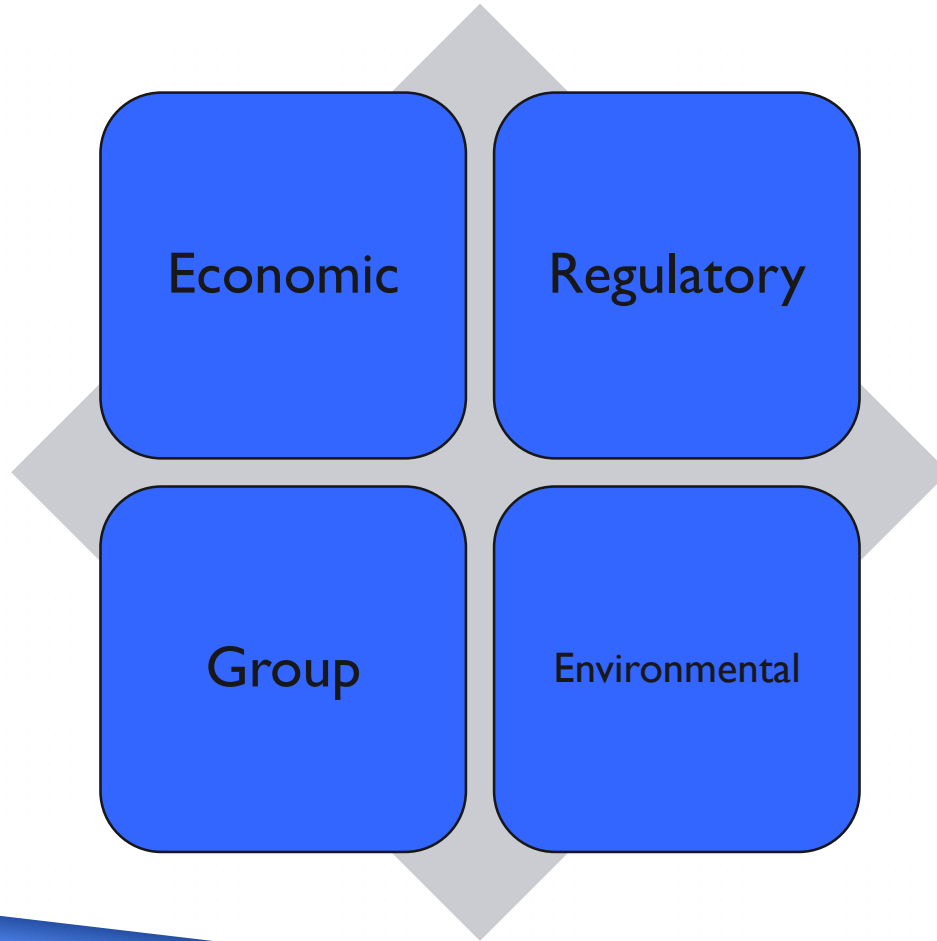
I. BACKGROUND



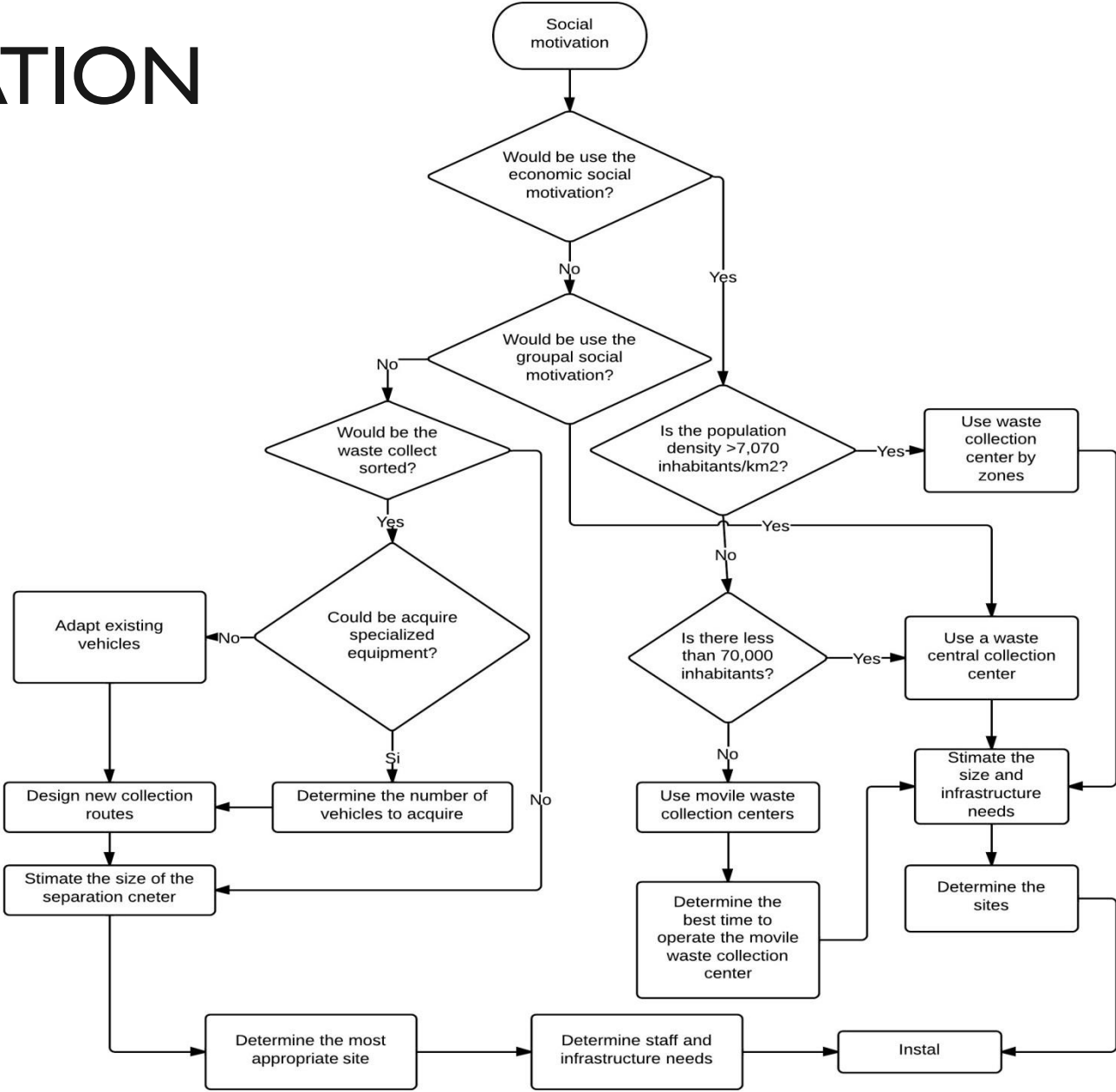
3. DESCRIPTION OF THE ACTUAL SYSTEM



IV. SOCIAL MOTIVATION



V. SEPARATION SYSTEM



THANK YOU FOR YOUR ATTENTION



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