



ENHANCEMENT OF TRANSPORT BUSINESS EFFICIENCY IN PASSENGER TRANSPORTATION

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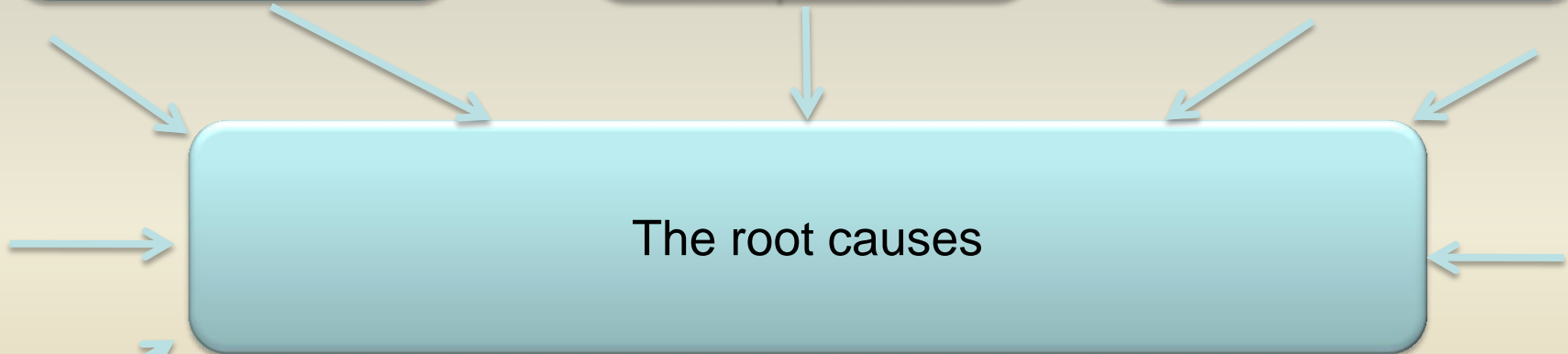
Geneva, 5 September 2016



Problem:
low payback of
passenger
transportation

Problem:
decrease in
volumes of
passenger
transportation

Problem:
the aging of the
vehicle fleet



Problem

Problem

Problem

INTERESTS OF THE
STATE



INTERESTS OF THE
CARRIER



POPULATION
INTERESTS





Task

Barrier

Barrier

The process of
overcoming as target



The process of
overcoming as target



accounting,
local methods of
management

WORK

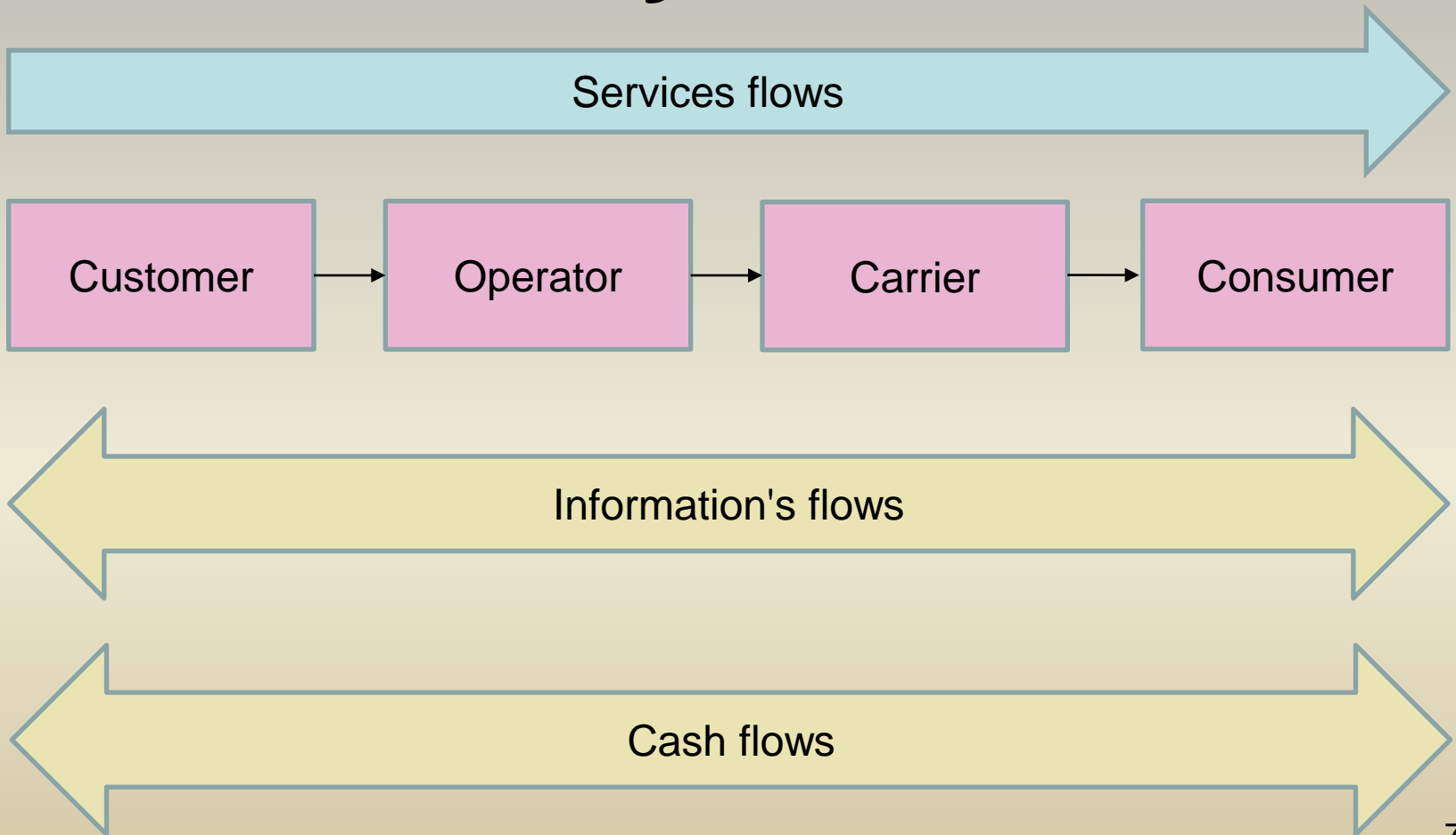
EFFICIENT MANAGEMENT TECHNOLOGIES

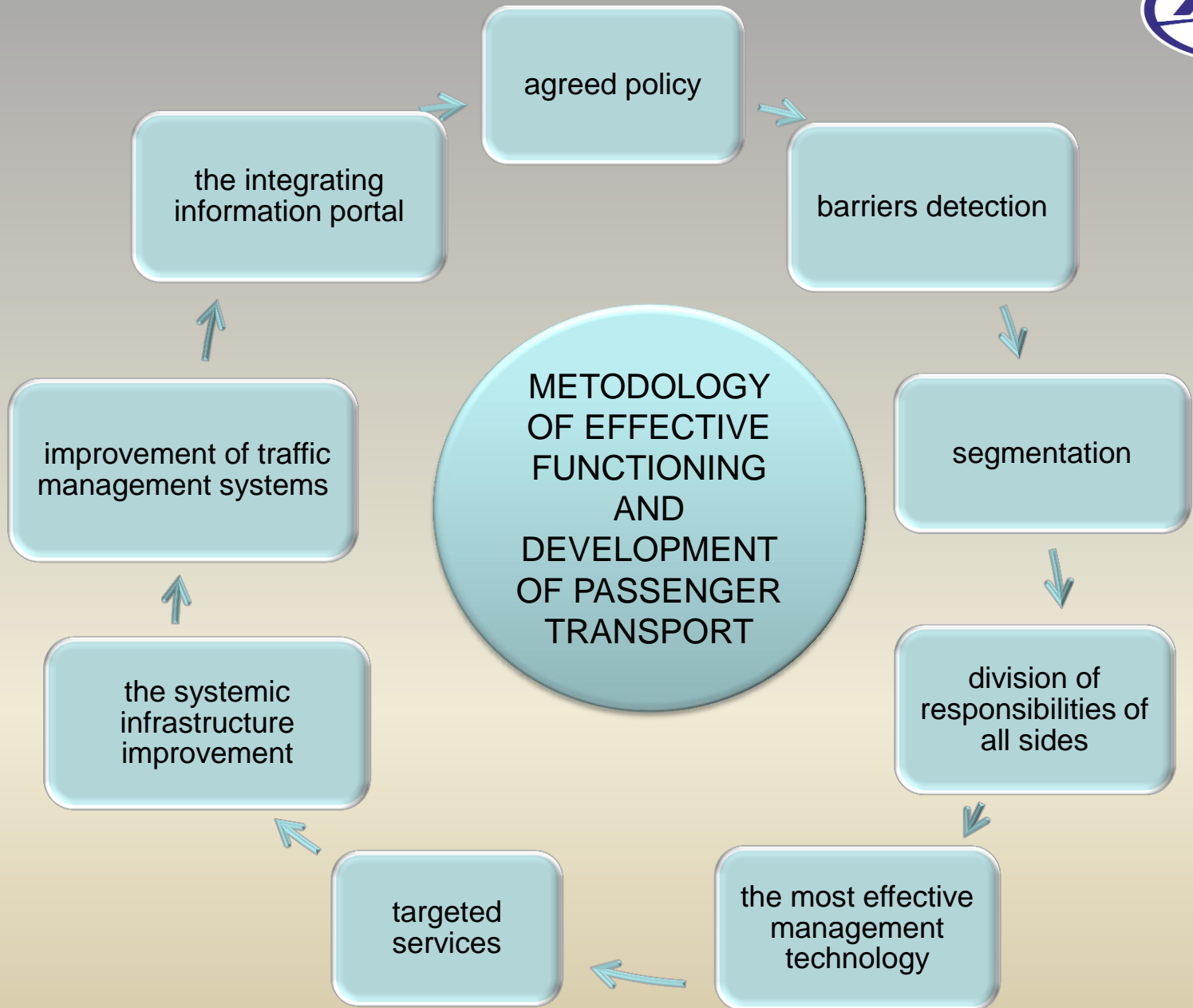


methods of
management
based on **LEAN**
KAIZEN TOC

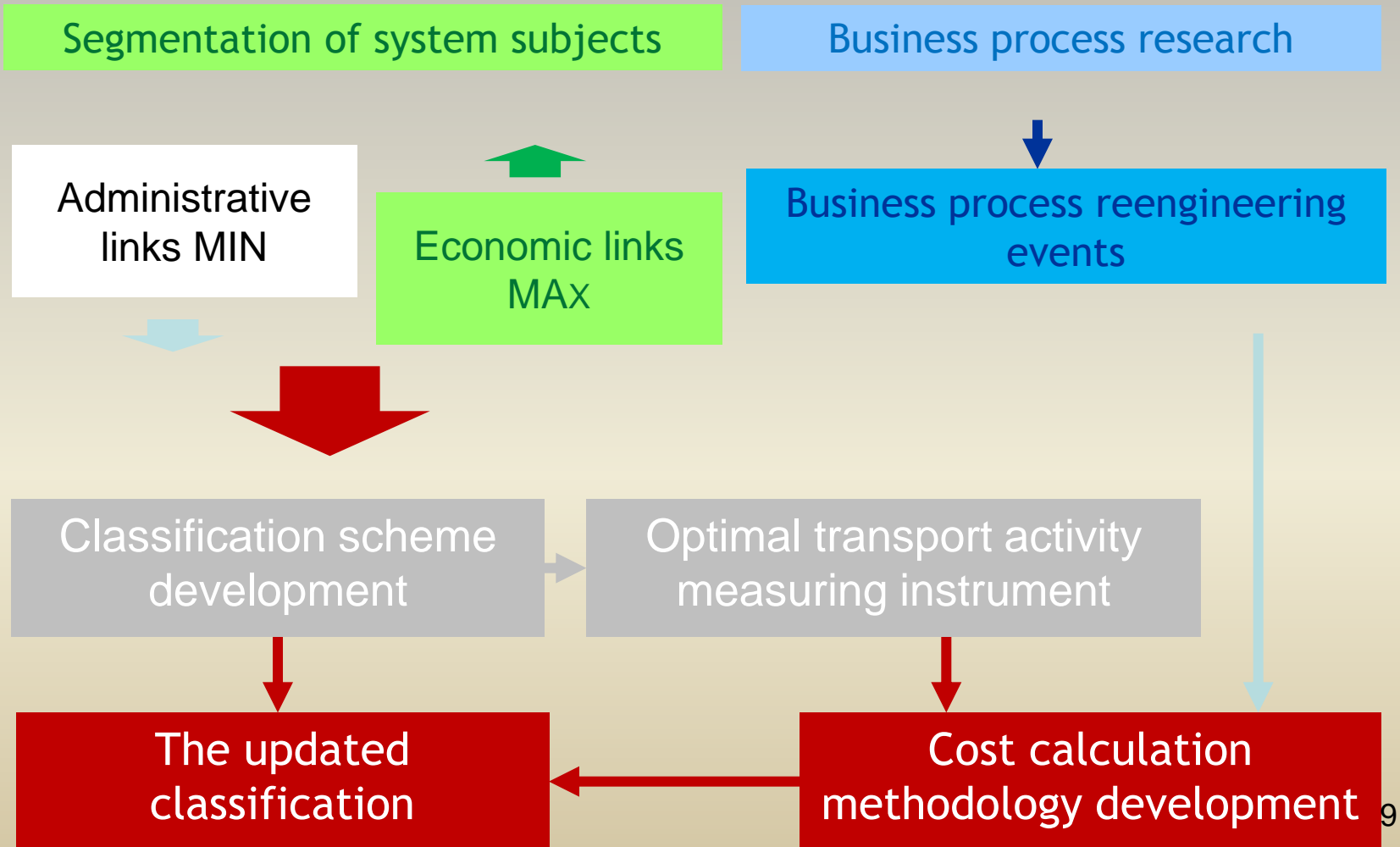
RESULT

Passenger transport as a system

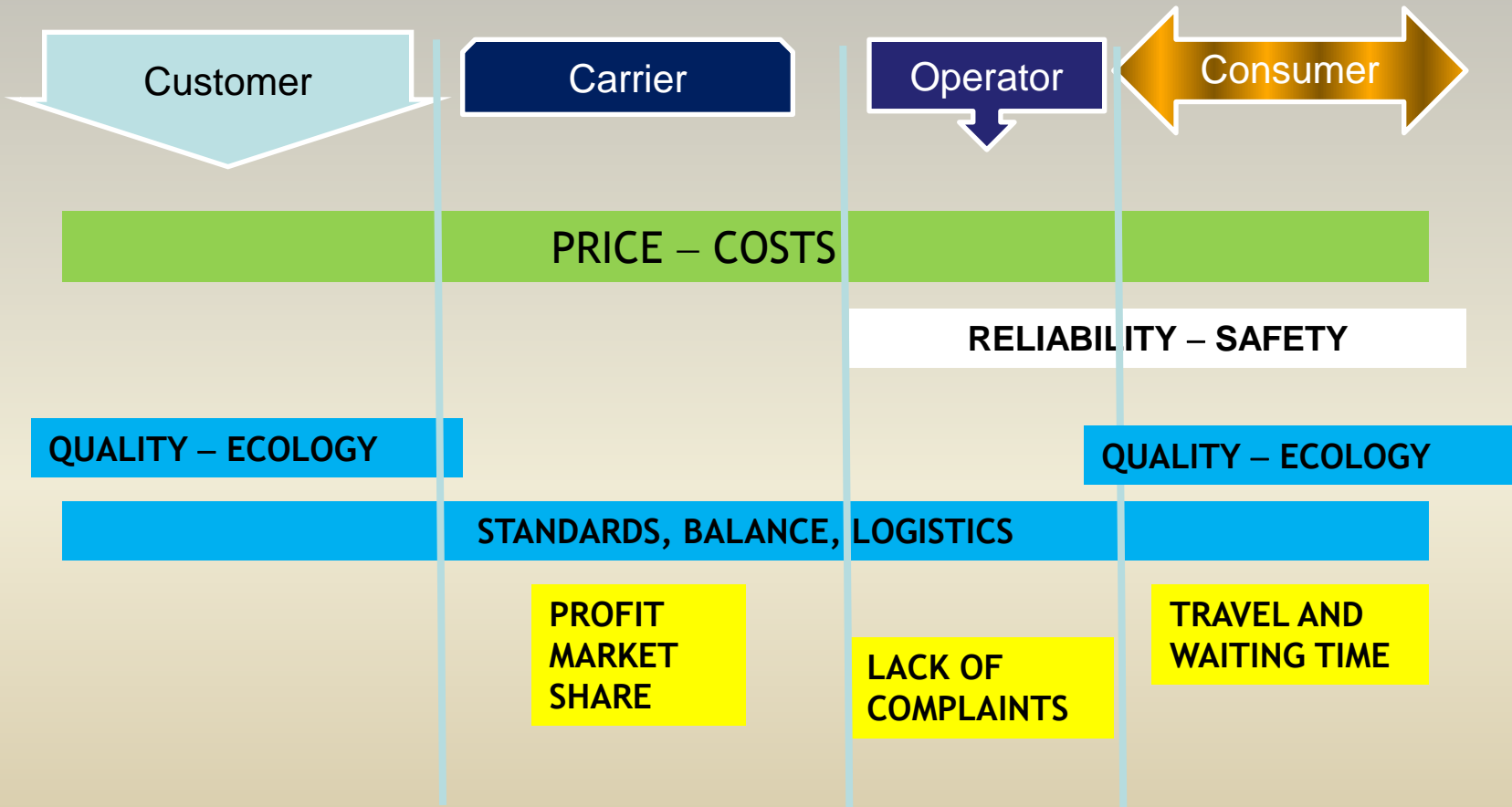




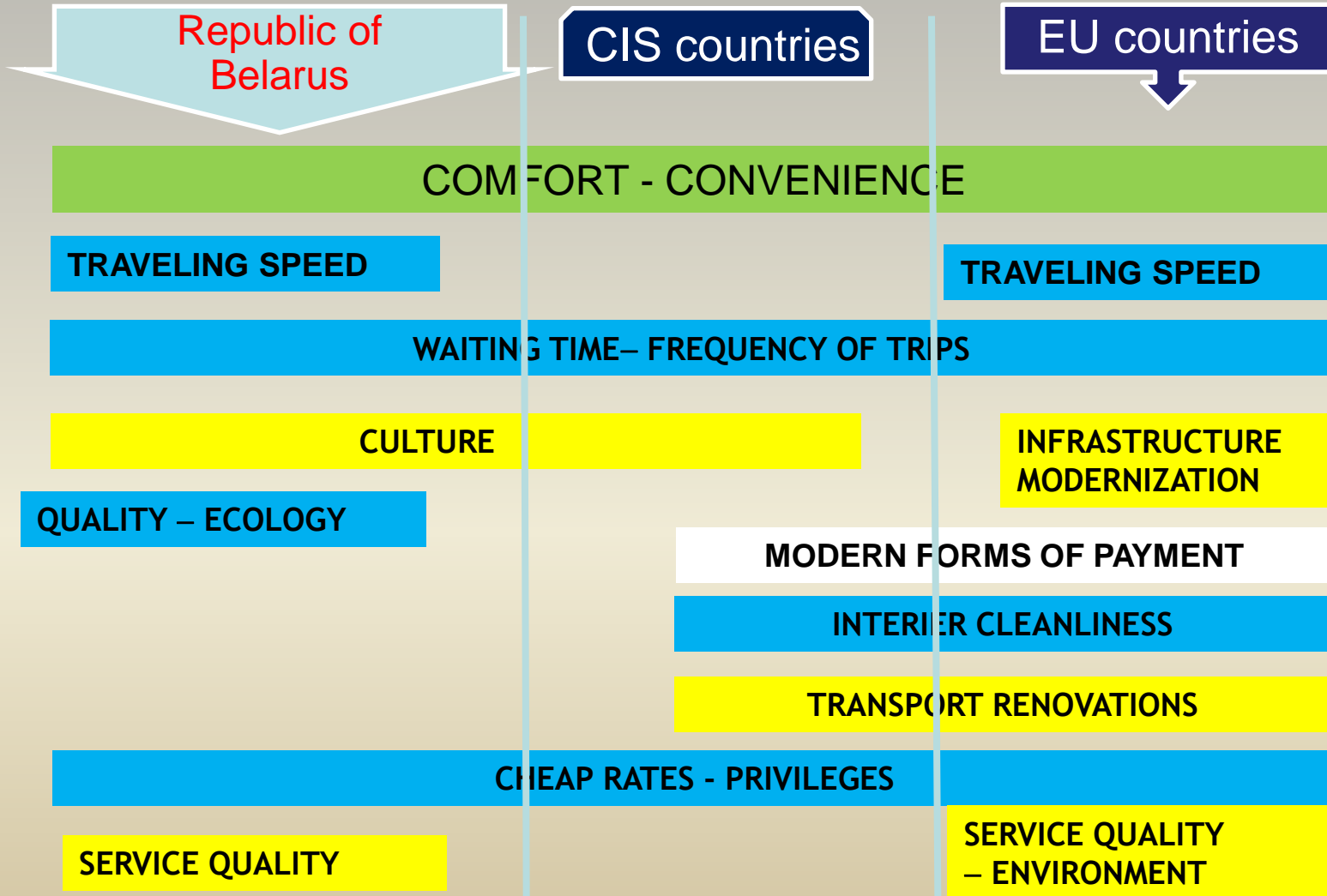
Algorithm of problems solving



Targets of interest groups



Consumer Preferences

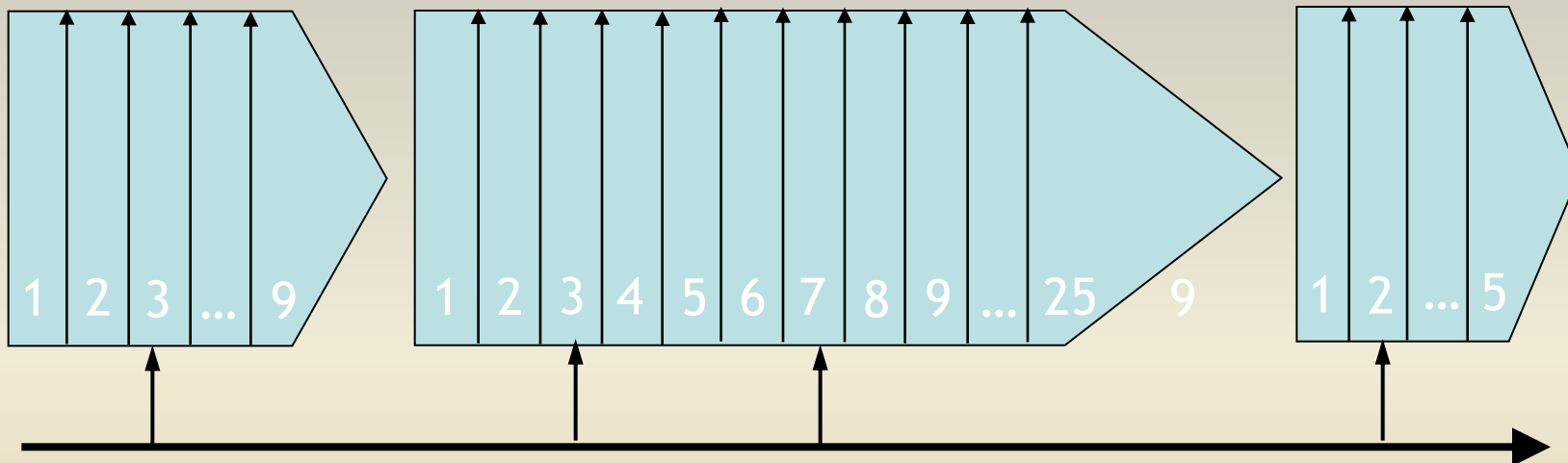


Process view of the passenger transportation

Vehicle Launch

Vehicle traffic on the line

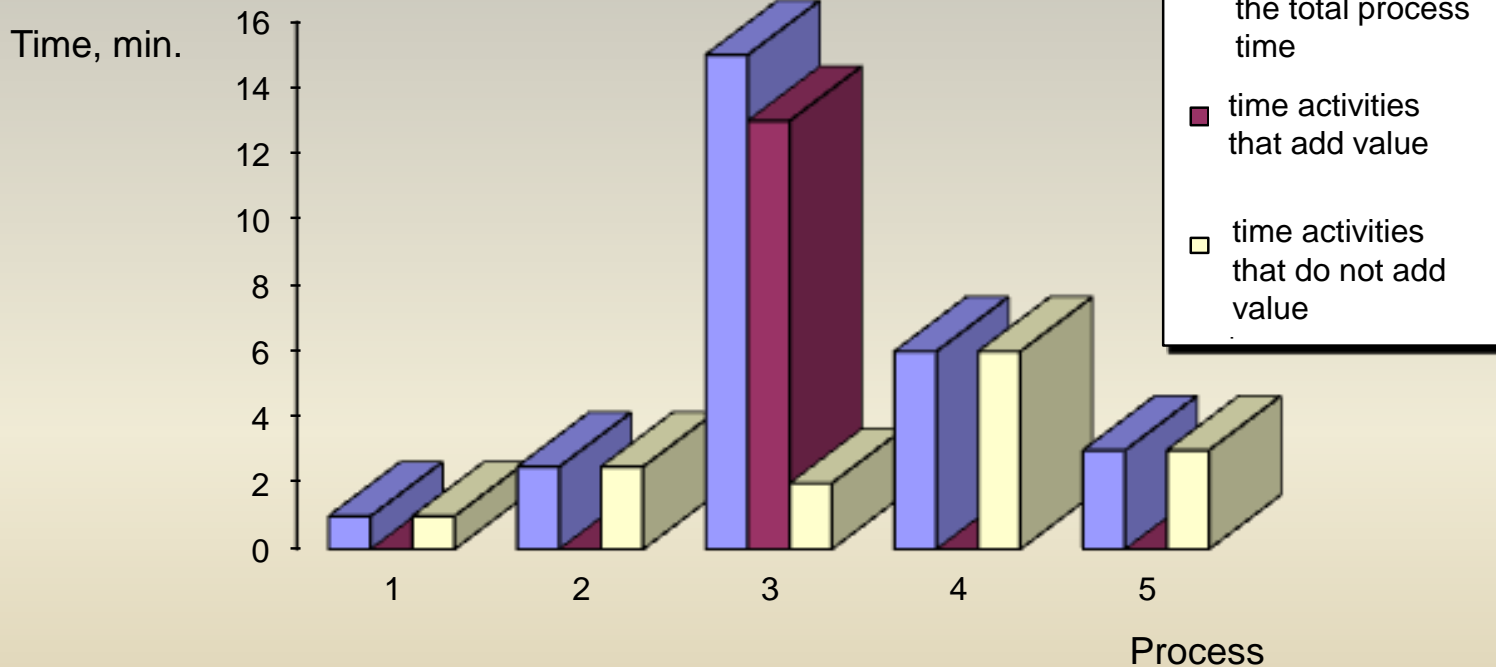
Return the vehicle from the lines



External factors influencing the passengers transportation process:

- transport infrastructure, uniformity of movement, automatization level;
- Vehicle, their technical condition.

Return the vehicle from the lines

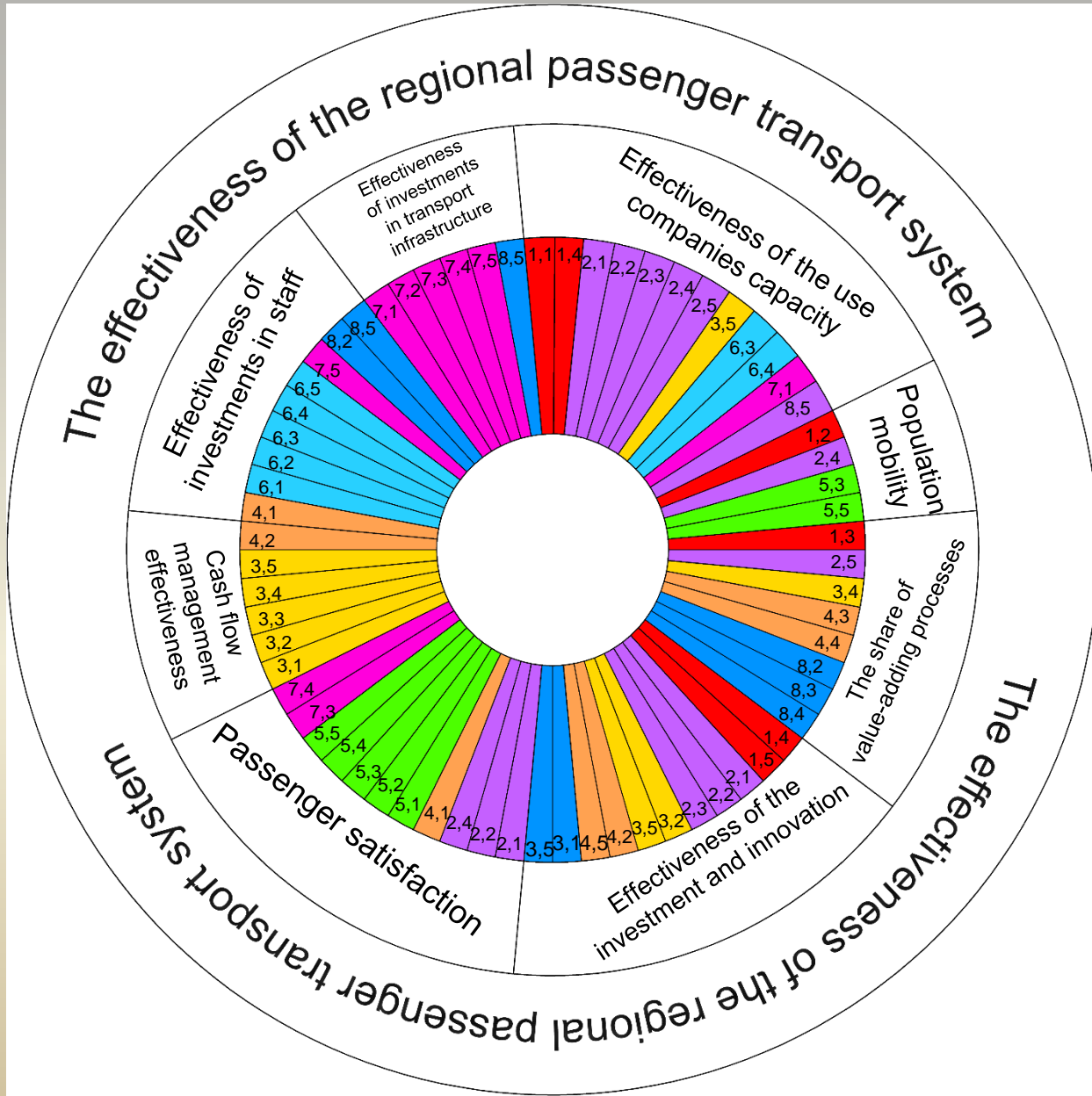


Application of classification

The classifying parameters	Estimation of the dominant features					Parameter estimation
	Feature 1	Feature 2	Feature 3	Feature 4	Feature 5	
Parameter 1	7	9	7	5	7	7,0
Parameter 2	5	8	6	9	9	7,4
Parameter 3	8	6	8	8	8	7,6
Parameter 4	7	9	3	9	7	7,0
Parameter 5	10	9	10	10	9	9,6
Parameter 6	8	10	7	10	5	8,0
Parameter 7	9	5	5	10	6	7,0
Parameter 8	9	6	4	7	7	6,6

The line of colors	Points									
		1	2	3	4	5	6	7	8	9

The effectiveness of the regional passenger transport system



Areas for further researches

- Development of perspective directions of related services in the field of passenger transport to increase population mobility and passenger satisfaction
- Development of passenger transport services consumers segmentation systems to enhance the attractiveness of public transport and to optimize the transport work measurement parameters
- Development of normative legal acts. Rules of subjects interaction development
- Research the causes of the loss in traffic and the development of proposals to reduce their impact on the effectiveness of passenger transport
- Development of personnel management system that provides a constant growth of efficiency of its operations
- Development of financial flows management techniques that enhance the efficiency of passenger transportation on the basis of a process-oriented cost accounting system and revenue.

Thank you for your kind attention!

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