

Forecasting future of system using “Advanced 9 windows Canvas”

2014. 7. 8. SETEC

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Abstract

The systematic forecasting and finding new technical system, product and new business and sustainable industries in the “Creative economics (창조 경제, 創造經濟)” era in Korea, is the one progressive area of conventional TRIZ.

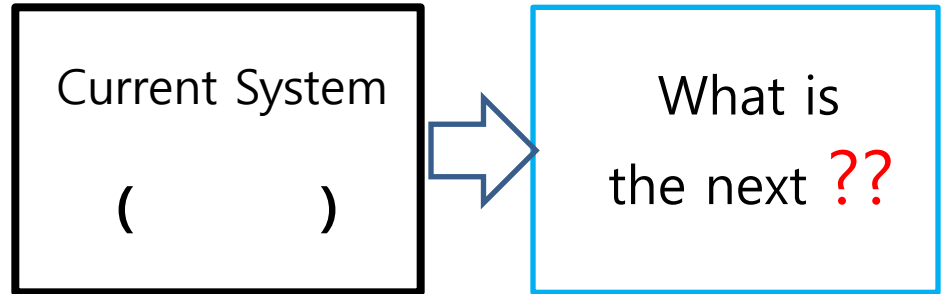
Through modification of conventional 9 windows canvas combining business and social trends and changes of the related industries of the “Super system “ and each roadmaps of main components and internal technology of the system with 9 technical evolution laws in the “Sub system”.

this paper proposes the “Advanced and step-by-step 9 windows canvas “ for systematic forecasting of any systems (or product) better.

Conventional Forecasting of system (product)

(based on experience & subjective knowledge)

System



By Dephi method

(subjective domain experts)

Current

Future

Conventional 9 windows of TRIZ

Super System

Past
Super System

Super System
(environment)

Future
Super System

System

Past
System

Current System
()

Future
System

Sub System

Past
Sub System

Sub System
(components)

Future
Sub System

Past

Current

Future

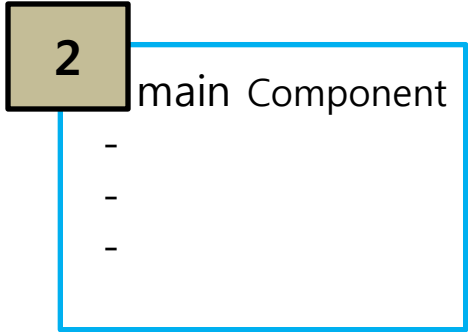
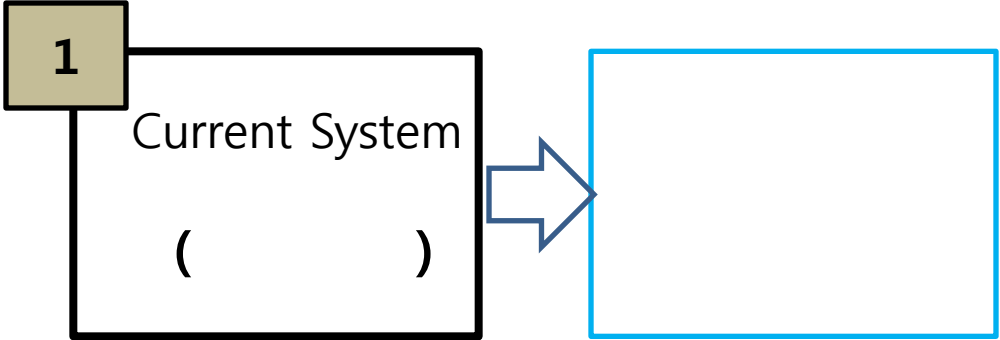
Forecasting future of system

using “Advanced 9 windows Canvas”

(with step-by-step detailed process)

System

Sub System



(by viewpoint of domain experts)

Current

Future

Super System

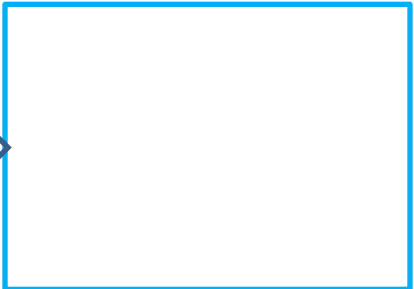
System

Sub System

3
(Environment & Industry around current system)

(by viewpoint of the industrial experts)

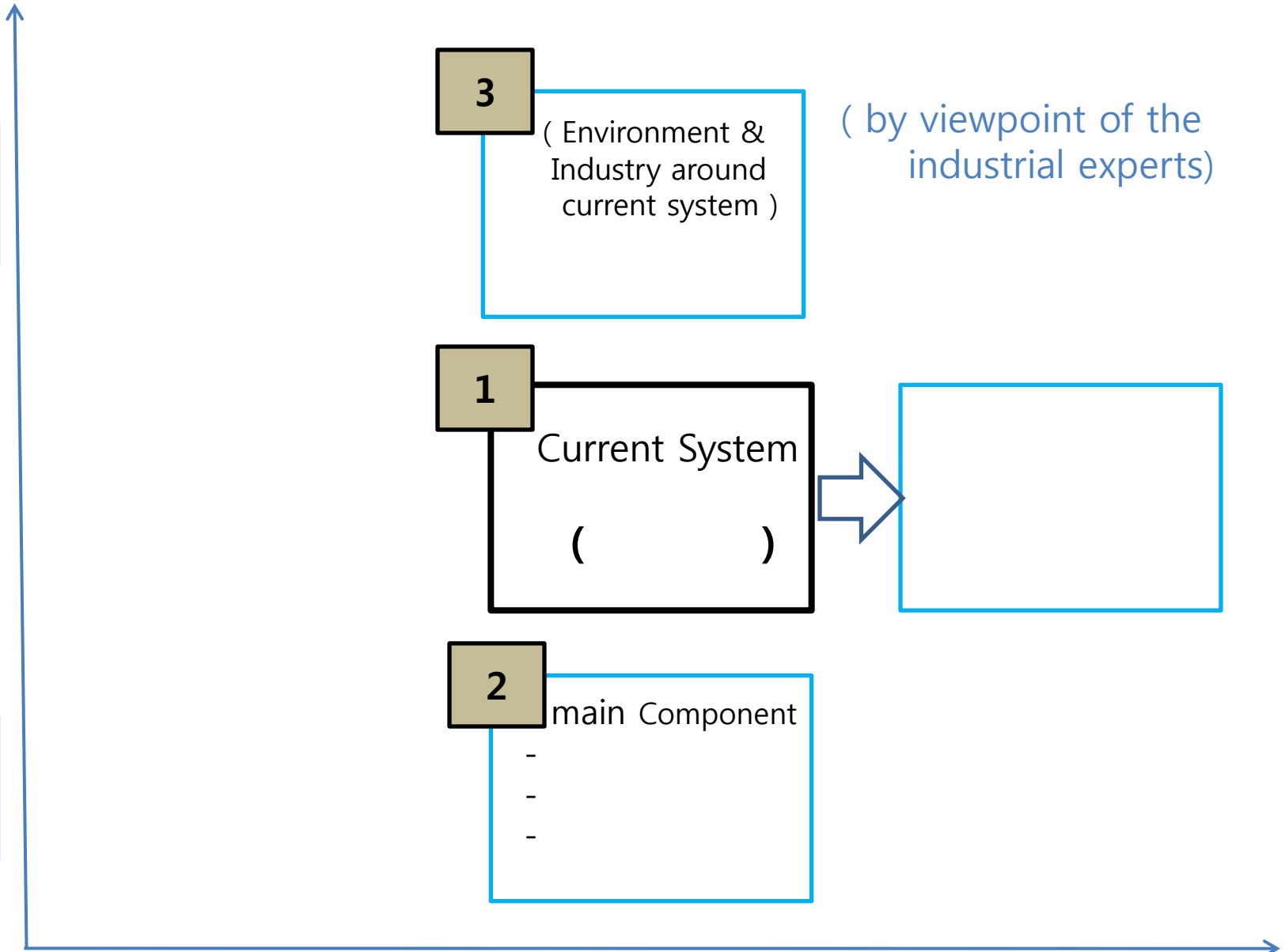
1
Current System
()

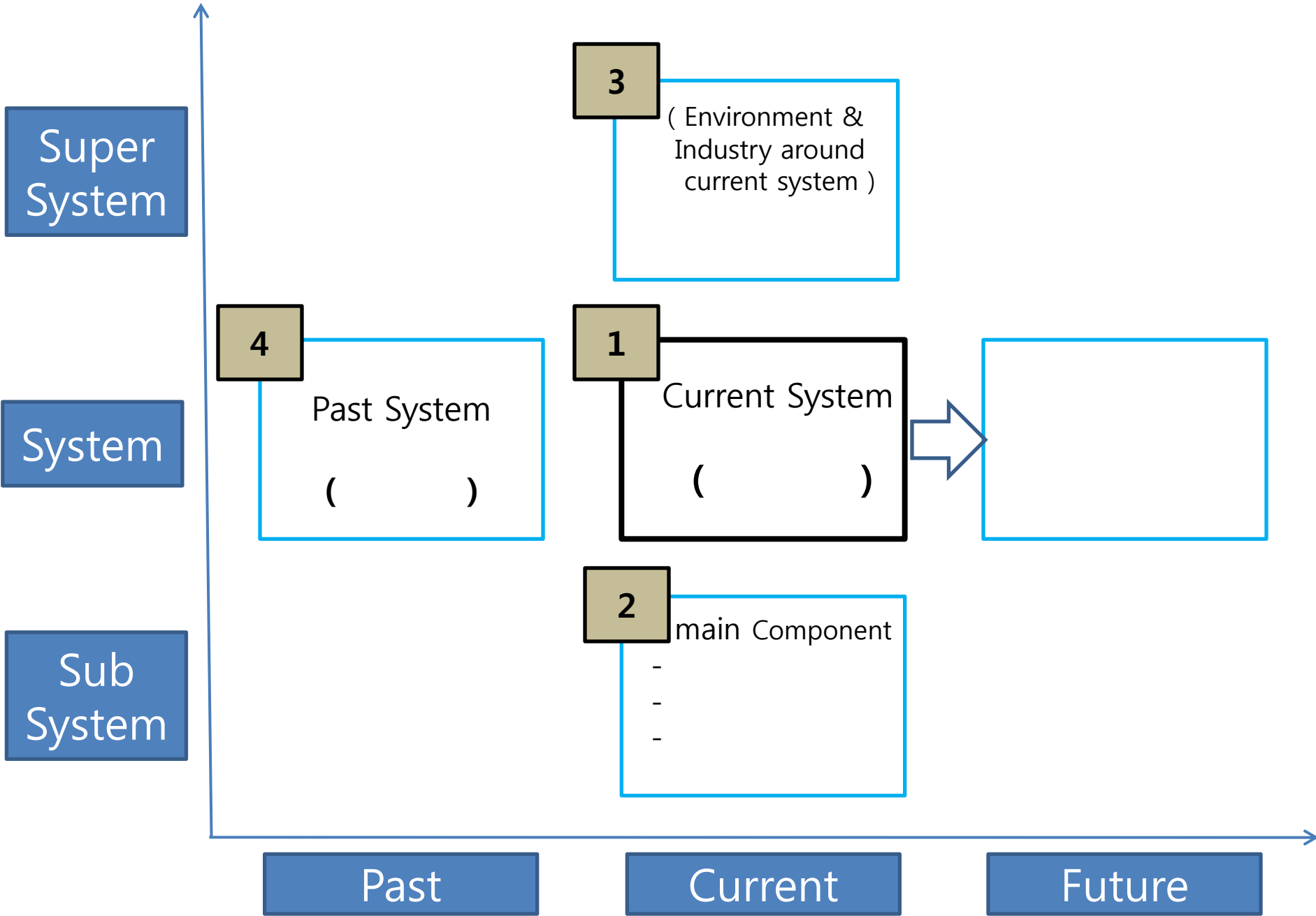


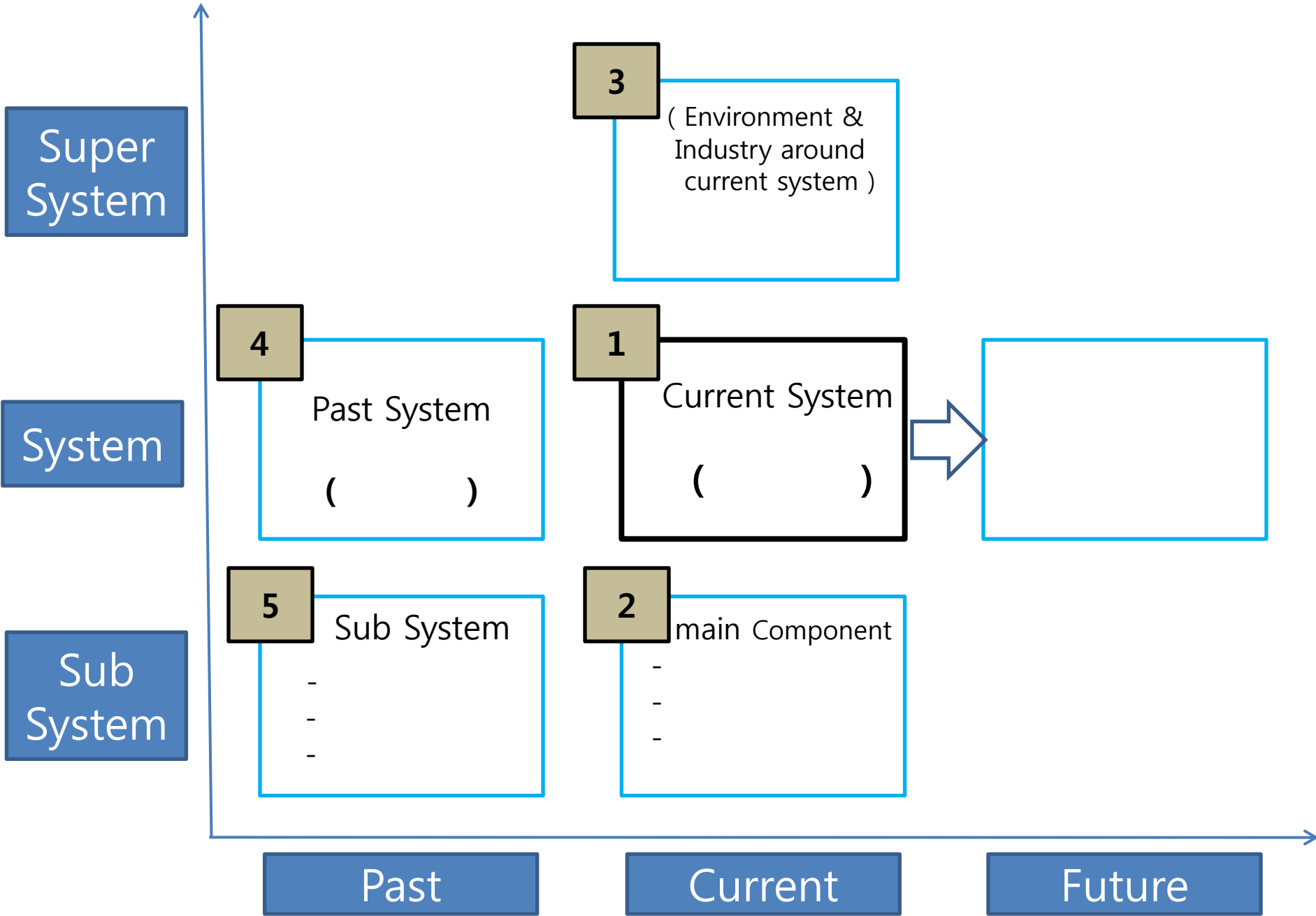
2
main Component
-
-
-

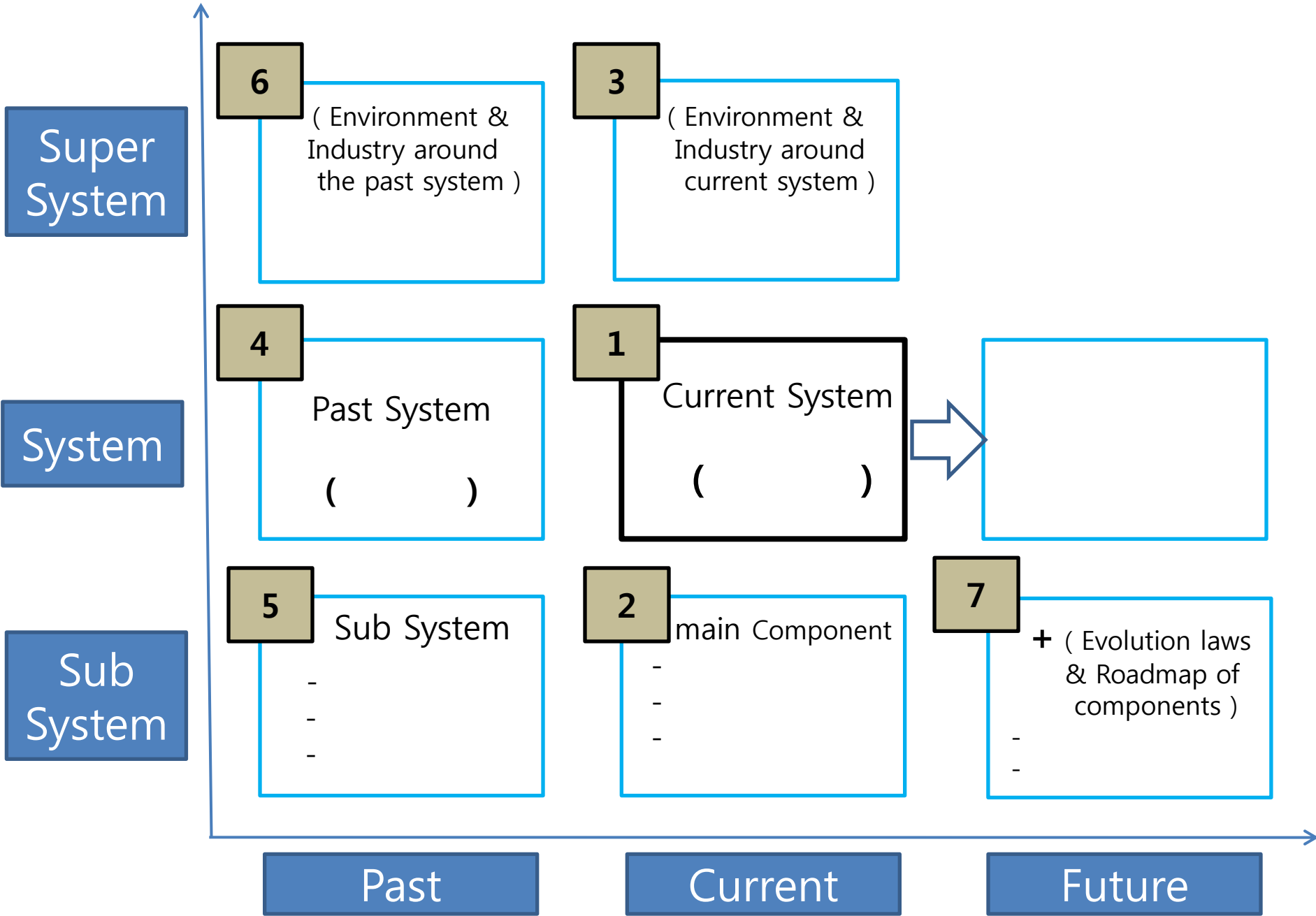
Current

Future





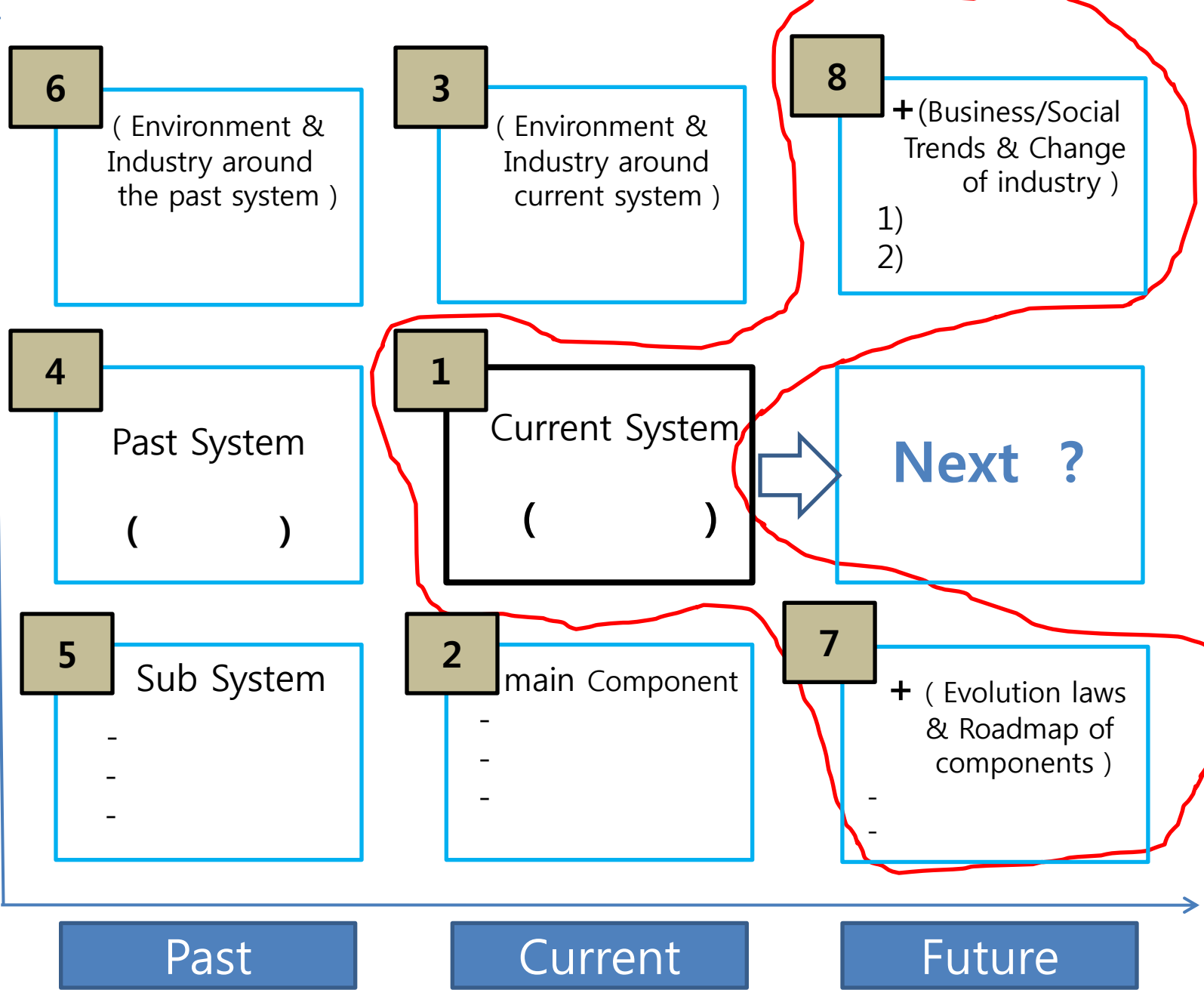




Super System

System

Sub System



Past

Current

Future

Case study)

Next of “ K-pop **Girl’s Generation** ” ?

by Forecasting future of system

using advanced 9 windows canvas

(with step-by-step detailed process)

Super System

System

Sub System

3
(Environment)
- "YouTube" On-line
- International (English)
- (Sexy modern) Trend

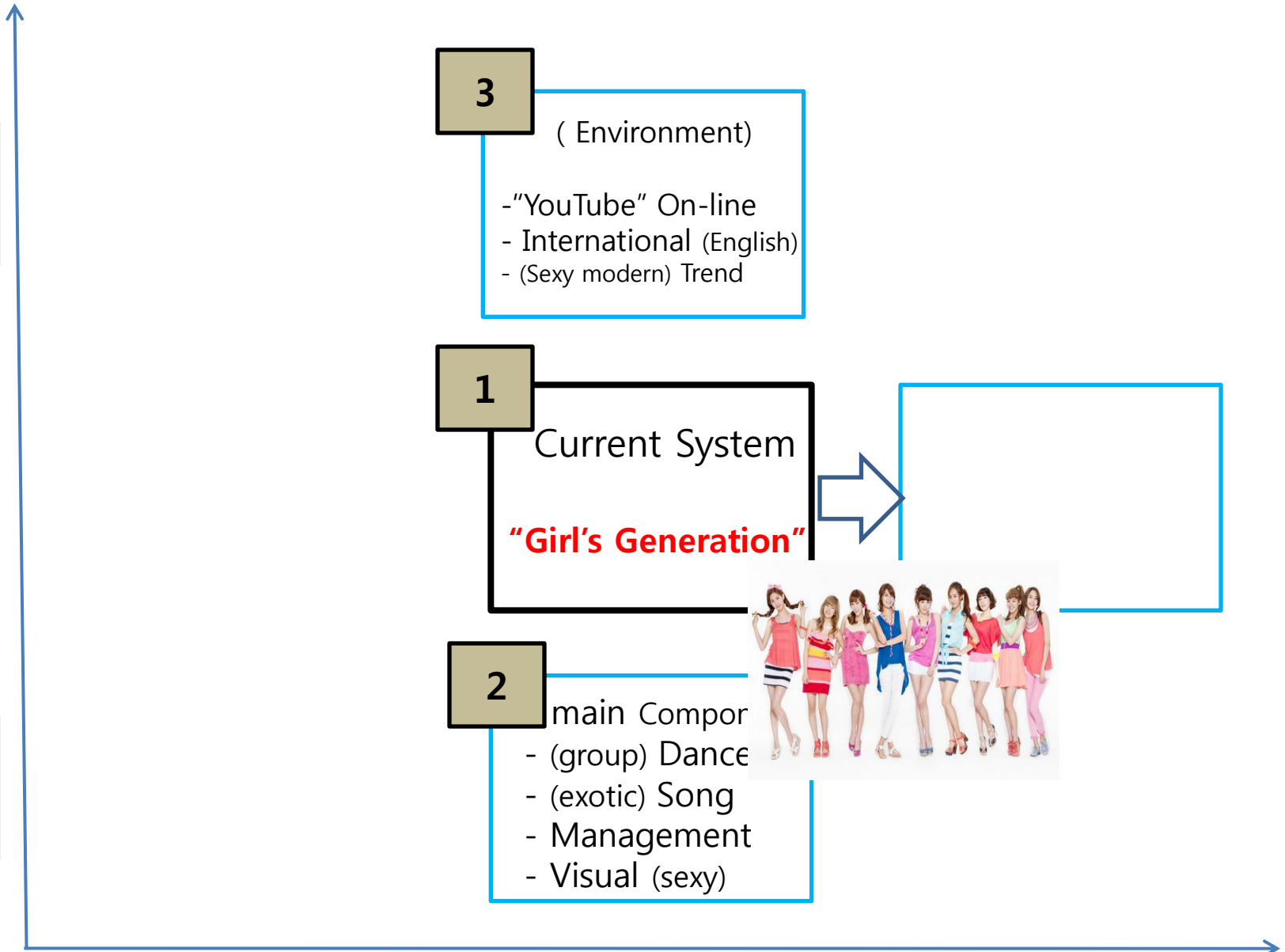
1
Current System
"Girl's Generation"

2
main Compor
- (group) Dance
- (exotic) Song
- Management
- Visual (sexy)



Current

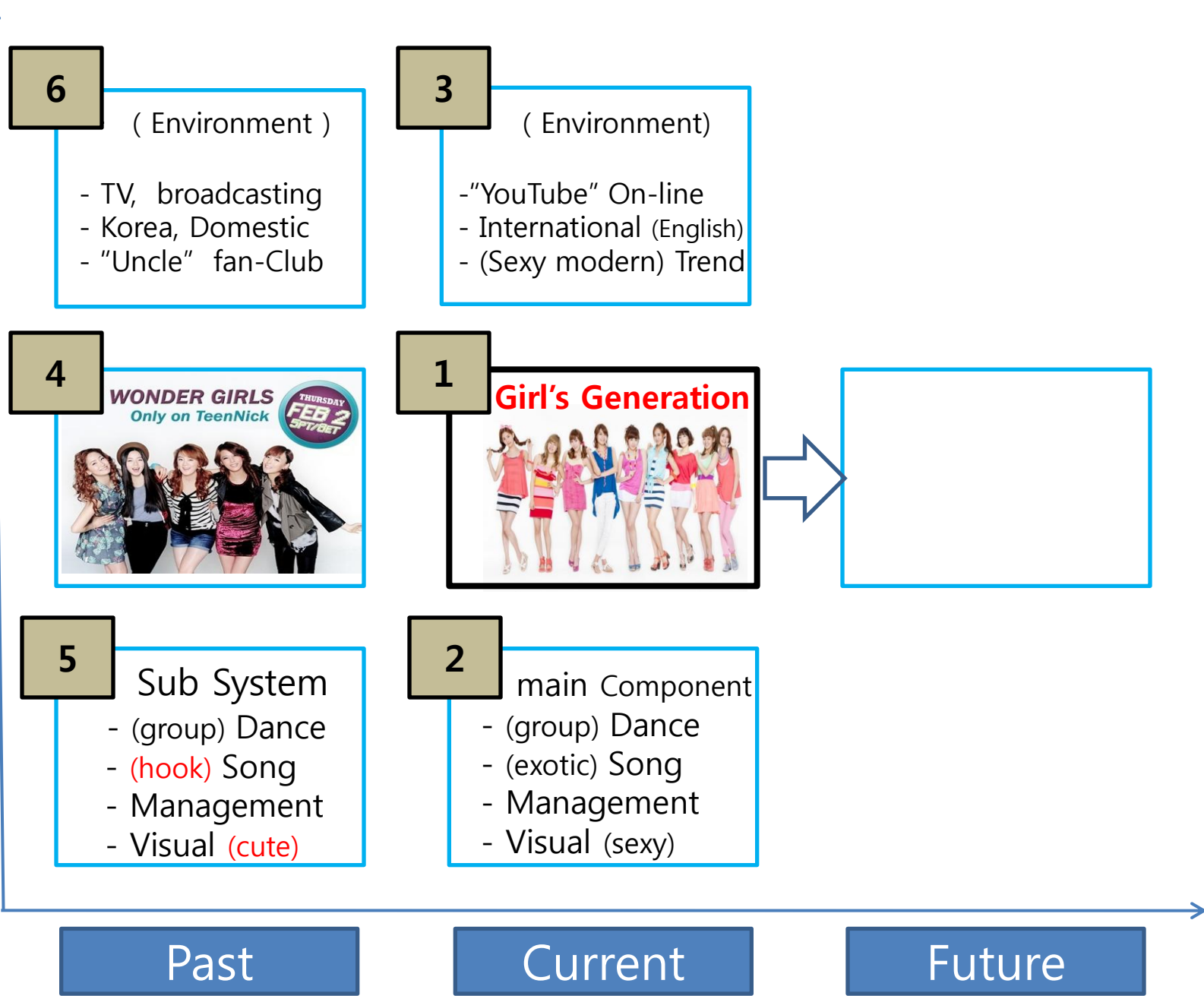
Future



Super System

System

Sub System



Past

Current

Future

Super System

System

Sub System



Conclusions)

- 1) The Forecasting future of system using the “Advanced 9 windows Canvas” is effective to forecast the next of system (product or even non-technical system)
step-by-step systematically.
- 2) This study needs further research and practices more to show some concrete results of any system (or product) with the related domain & market experts and TRIZ experts.