

# **Business Models Visualizing:** from Matrix to Mind Maps

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## **Outline**

- 1. Main Idea
- 2. Research Question
- 3. Business Model Representations
- 4. Business Model Mind Map
- 5. Experiment
- 6. Results



### Main Idea

> new framework for visualizing business models:

Canvas Business Model + Mind mapping = Canvas Business model map

- >as cognitive scaffolds
- positively associated with improved perception and understanding of the business model by managers



### **Research Question:**

"Does business model (BM)

mind map template really work?"



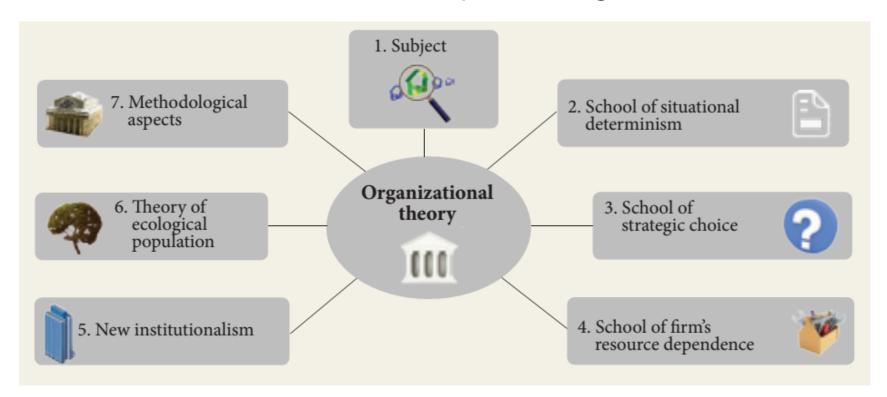
## **BM** representations:

- 1. Linear text
- Canvas model developed by Alexander Osterwalder
- 3. Canvas map (Business Model mind map)



## **Mind Map**

diagramming method that illustrates thoughts, concepts, relationships, associations, and consequences all connected to a central hub representing the main idea





### **Benefits of MM:**

- increases the memory and processing resources available to the users;
- reduces the search for information;
- uses visual representations to enhance the detection of patterns;
- enables perceptual inference operations;
- short-term memory capacity



# Canvas business model (by Alexander Osterwalder) for KFC Company:

#### Table 1. Canvas business model for KFC

#### Key partners

#### Pepsi, food suppliers

#### Key activities

Management of a chain of fast food restaurants, logistics system, franchising, catering services

#### Key resources

Brand, sales and logistics network, facilities to support the catering service

#### **Val**

#### Value propositions

Secret recipe, affordable prices, fast service

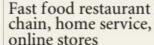
#### Customer relationships

Focus on customers' needs: individual and standard contracts

#### Customer segments

Young people (16-25 years old), students, Early career workers, franchisees









#### Cost structure

Costs of the fast food restaurant chain, branding/communications, fleet of catering vehicles, food innovations



#### Revenue streams

Revenue from the fast food restaurants and catering service, franchising

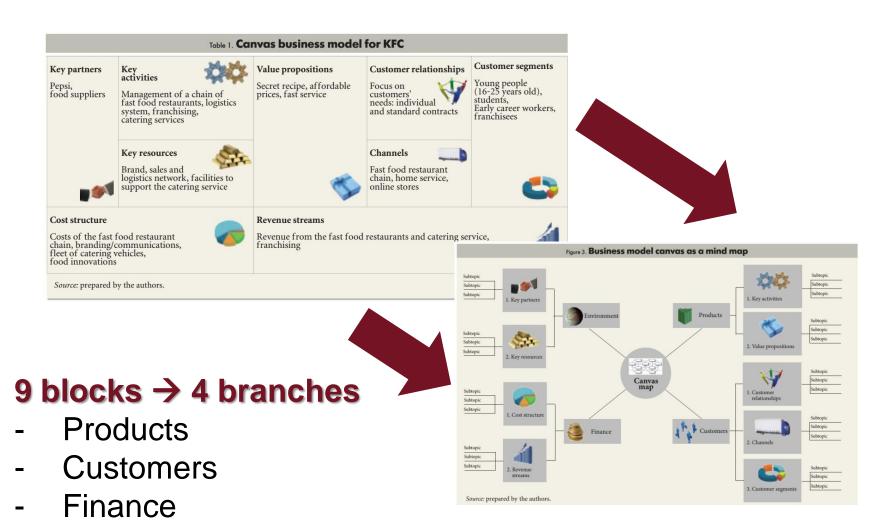


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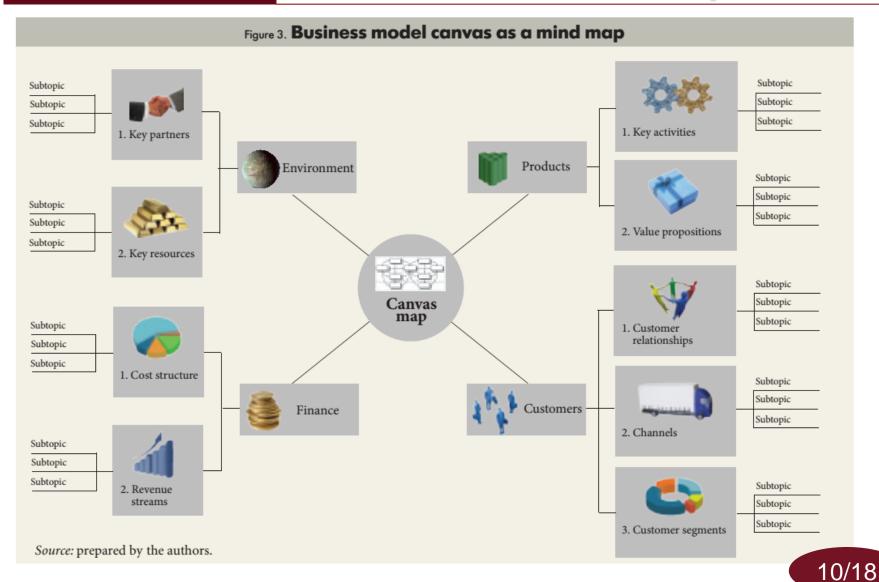
**Environment** 

# Canvas business model (by Alexander Osterwalder) for KFC Company:





# **Canvas Business Model mind map**





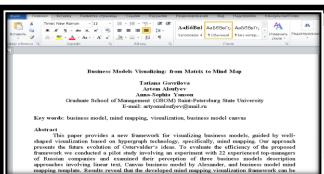
## Methodology:

- Experiment
- Sample of 22 managers of Russian companies
- Evaluation of perception
- Description of KFC company business model
- Questionnaire on the business model of KFC
- Evaluation by experts the correctness of

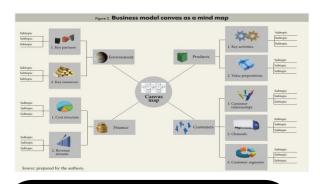
answers

> 3 groups

Nº	Group	BM form	N
1	Group A	Text	6
2	Group B	Canvas	8
3	Group C	Мар	8







# Text

**Traditional** 

Easy to use

## Canvas

Widespread

**Table** 

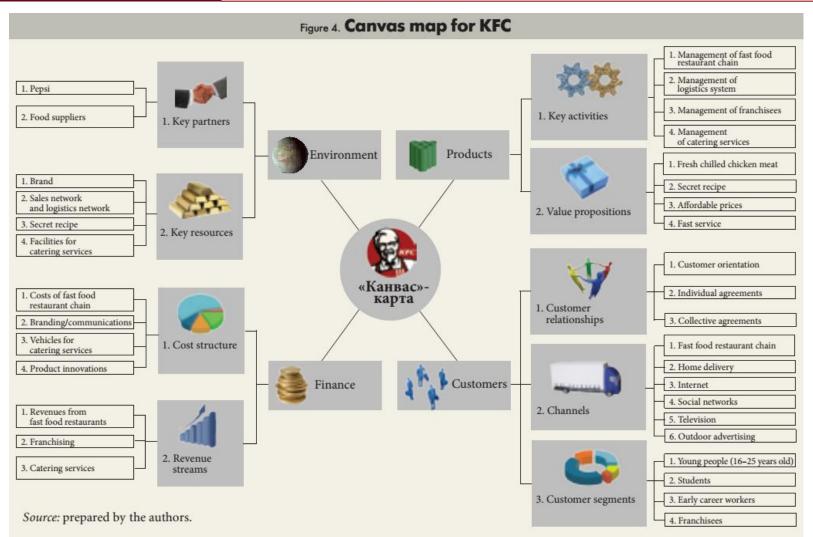
# Map

Developed by authors

Visualization

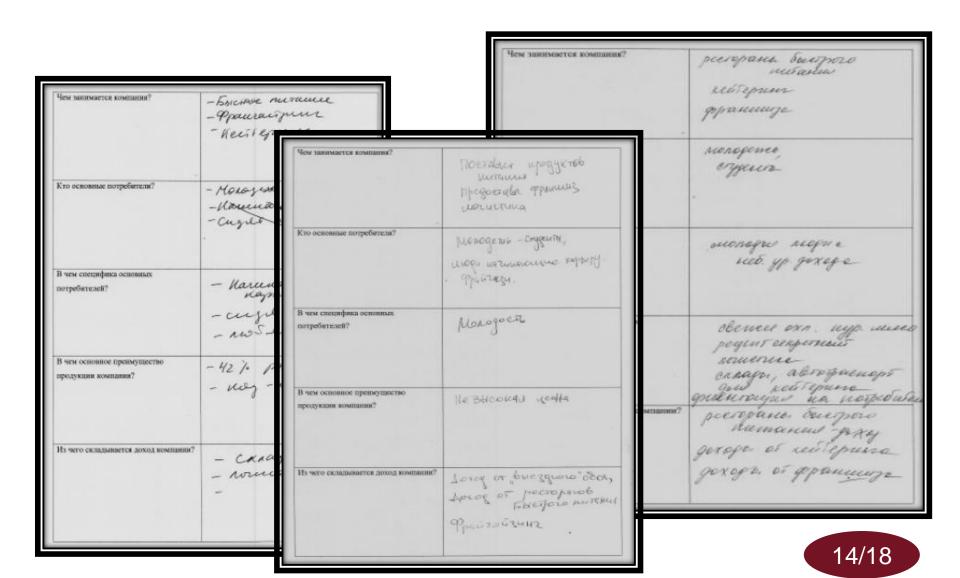


# Business Model mind map KFC Company





### **Questionnaire answer forms**

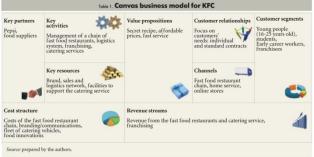


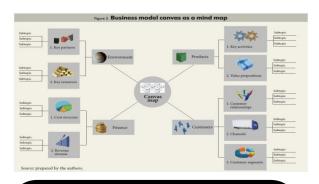


### **Analysis of variance: Results**

		Sum of Square s	df	Mean Square	F	Sig.
Question 1	Between groups	8,218	2	4,109	5,318	0,015
Question 2	Between groups	12,632	2	6,316	8,583	0,002
Question 3	Between groups	5,076	2	2,538	4,578	0,024
Question 4	Between groups	6,305	2	3,153	4,209	0,031
Question 5	Between groups	5,752	2	2,876	3,586	0,048







# Text

Difficult to perceive

NO visual suport

## Canvas

Too many elements

Placement of elements logic issue

# Map

Most structured

Most comprehensive



### **Conclusion:**

The results of our pilot study indicate that using of a novel visual form of business model:

- 1. is positively assessed by management practitioners;
- 2. visualization framework works as as cognitive scaffolds to better business thinking
- 3. is positively associated with improved perception and understanding of the business model by managers
- 4. allows managers to communicate, share and manipulate business model knowledge easily



## Thank you!



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