Altai State University Institute of Digital Technologies, Electronics and Physics Department of Computing Technique and Electronics

### THE REHEARSAL METHODS OF ERP-SYSTEM IMPLEMENTATION

XV International conference on high-performance computing systems and technologies in scientific research, automation of control and production (HPCST-2025)

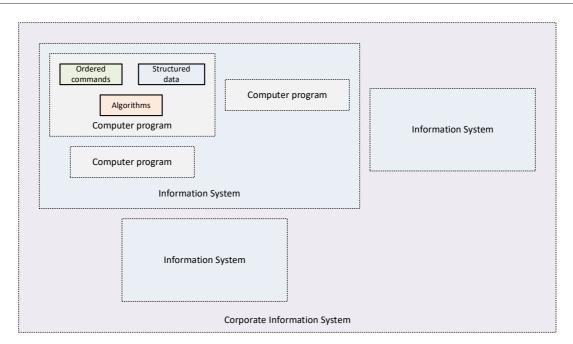
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MIREA – Russian Technological University

Theoretical and Practical Conference 23-24 May 2025

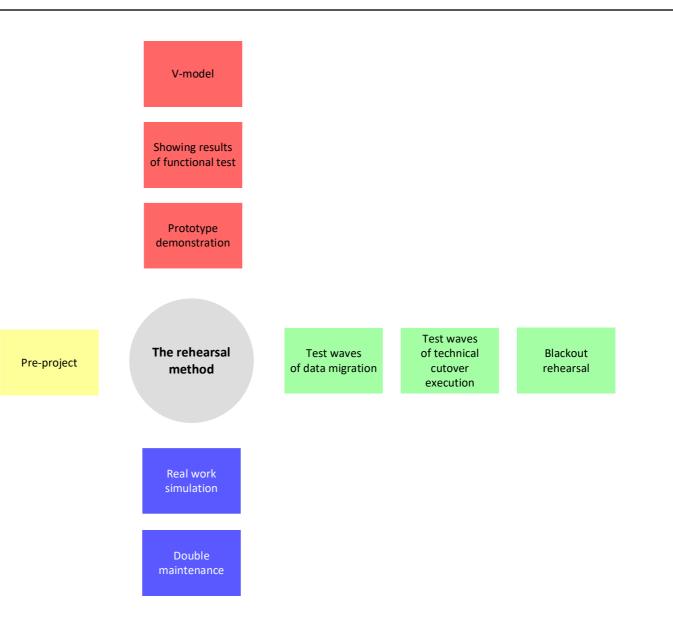
### 1. Importance of modern corporate information systems



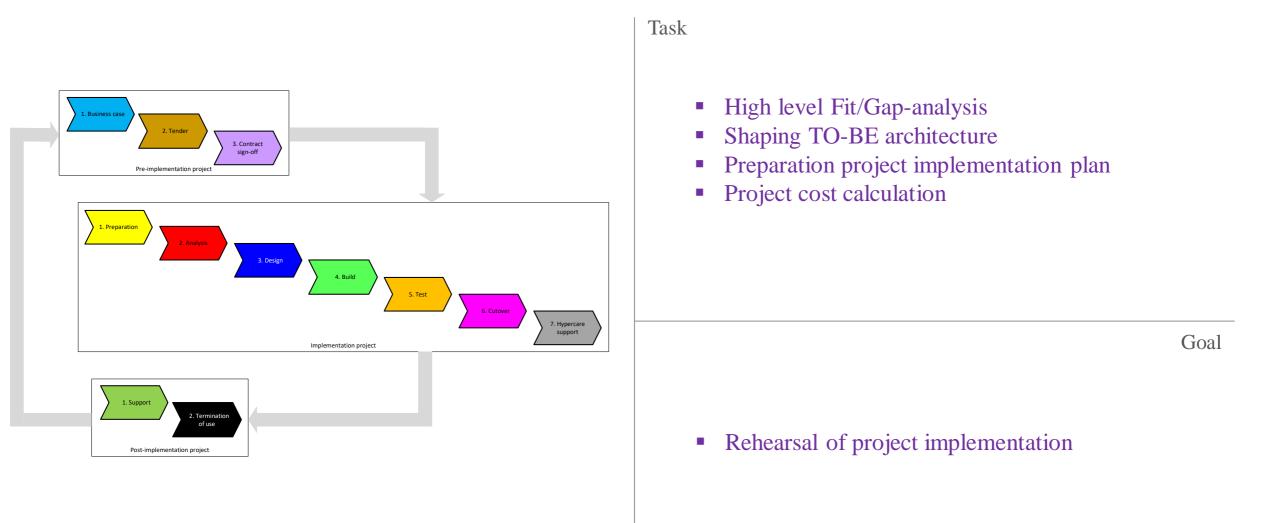


The purpose of this paper is to analyze methods and approaches that allow us to rehearse key project tasks, while minimizing the likelihood of unsuccessful go-live of ERP-system. *Definition*. Rehearsal – a form of preparatory work aimed at repeating activities to improve collective interaction between persons and their subsequent execution.

#### 4. The rehearsal methods



# 5. Pre-project of implementation



The way of rehearsal

# 6.1. Prototype demonstration



#### Task

 Demonstration of software prototype to end and key users

#### Goal

## 6.2. Showing results of functional test



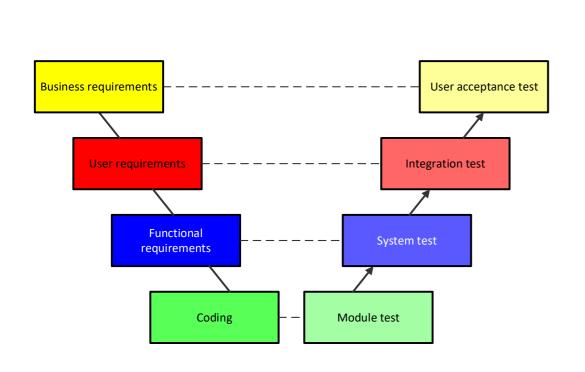
#### Task

 Demonstration of the most important software features to key and end users

#### Goal

## 6.3. V-model

The way of rehearsal

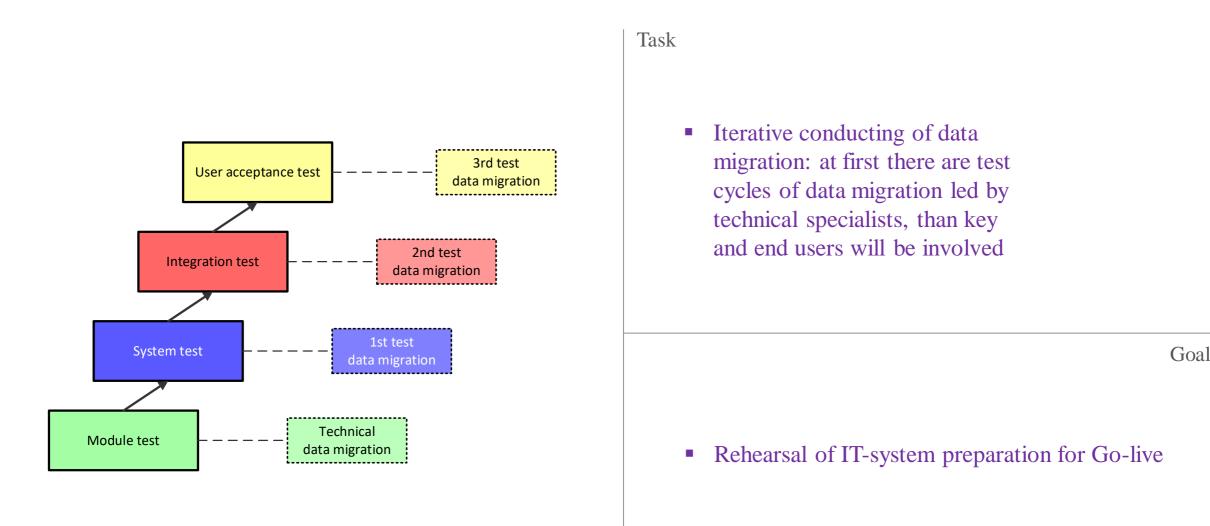


Task

 Iterative testing of software product by different responsible: at first developers and technical specialists, than key and end users

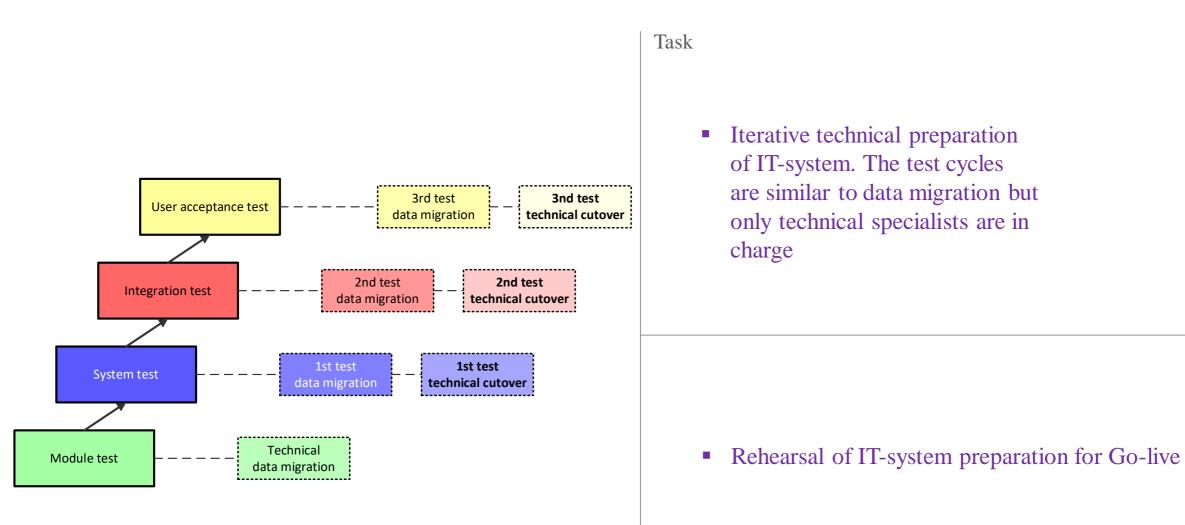
Goal

## 7.1. Test waves of data migration



The way of rehearsal

### 7.2. Test waves of technical cutover execution

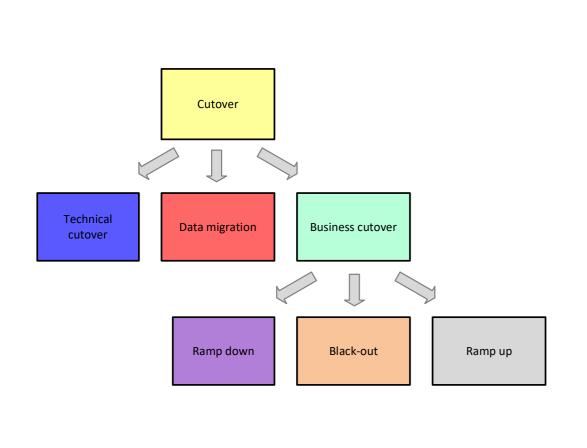


The way of rehearsal

Goal

### 7.3. Blackout rehearsal

Task



The way of rehearsal

 Simulation of ramp down, black out and ramp up activities to stop business transactions, prepare IT-system and continue business as usual in a new software product

Goal

• Rehearsal of IT-system preparation for Go-live

## 8.1. Real work simulation



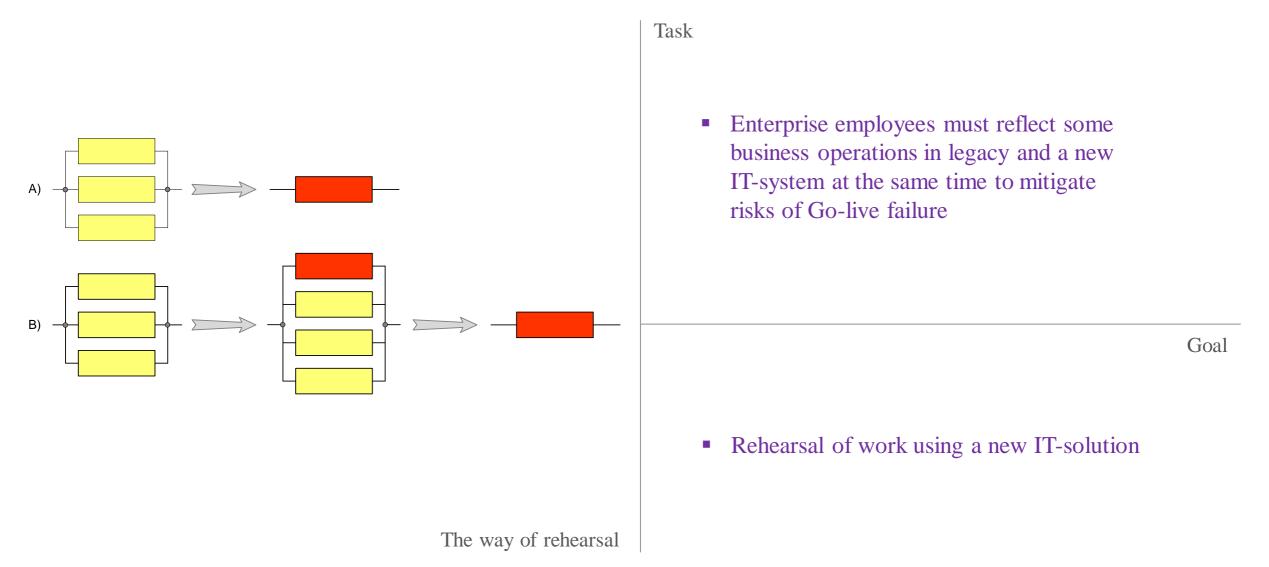
The way of rehearsal

#### Task

 Simulation of business as usual in a new IT-solution for limited period of time

#### Goal

### 8.2. Double maintenance



### 9. Conclusion

	The method of rehearsal	The goal	Relevance to project (size of IT-project)		
			Small	Medium	Large
1	Pre-project of implementation	Rehearsal of project implementation	No	No	Yes
2	Test waves of data migration Test waves of technical cutover execution Blackout rehearsal	Rehearsal of IT-system preparation for Go-live	No	Only data migration	Most
3	Prototype demonstration Showing results of functional test V-model Real work simulation Double maintenance	Rehearsal of work using a new IT-solution	Only prototype	Mostly V-model	Most

### Thank you!

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