



*cutting through complexity*

# Process Mining and audit support within financial services

KPMG IT Advisory  
18 June 2014



**INTRODUCTION**

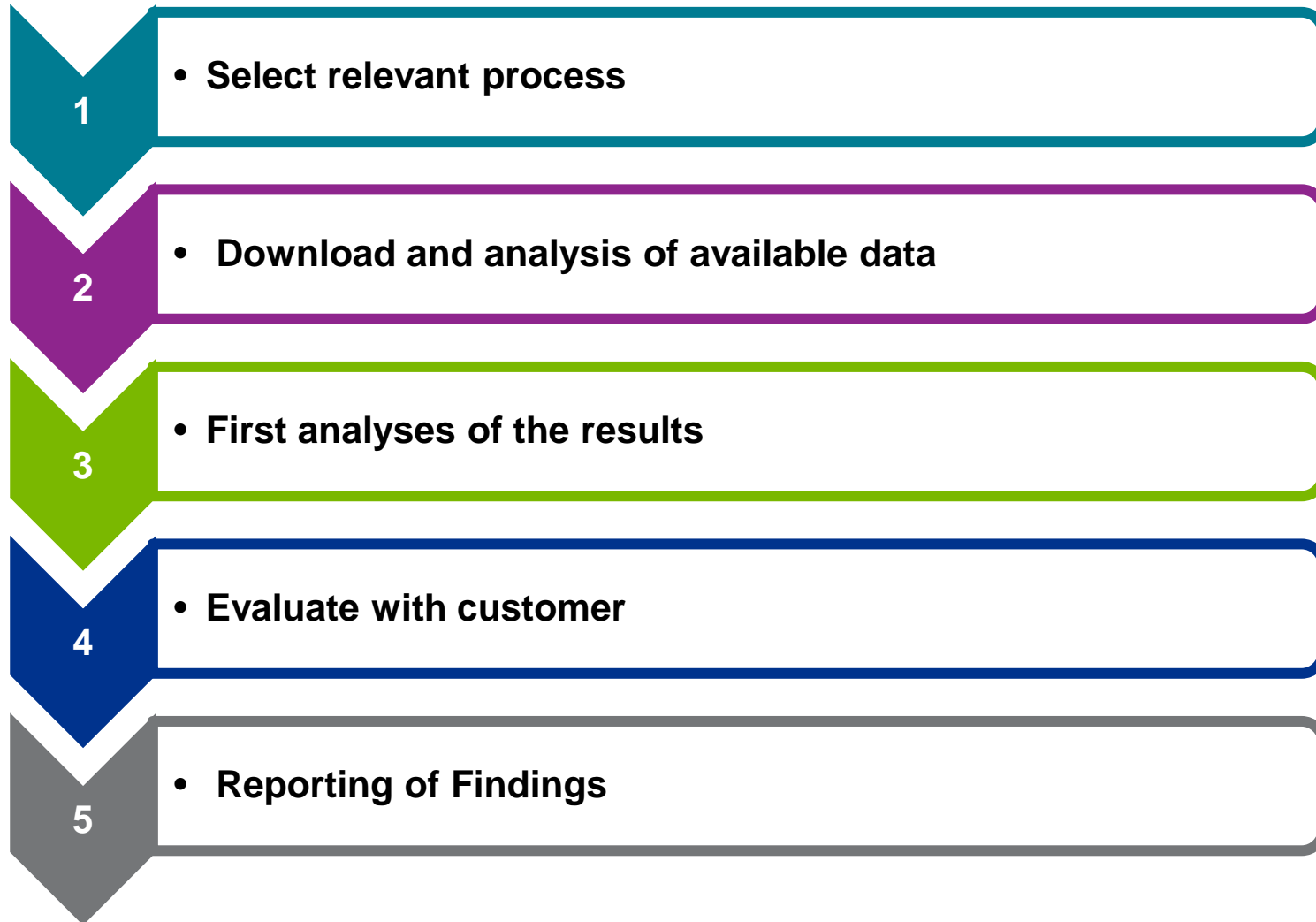
**APPROACH**

**3 CASE STUDIES**

**LEASONS LEARNED**

**APPROACH**

# Process Mining Approach – Five step program



## Benefits auditor

- Fact based
- Application controls
- Risk identification
- Focus on deviations
- Visual representation

## Benefits auditee

- More efficient audit
- Fewer resources
- Actual process
- Risk identification
- Insight in deviations

# CASE STUDIES

## **Case description**

New system  
implementation

Process  
harmonization

## **Challenges**

Rules and  
regulations

Shared back office

Organizational setup



## Results

Management gained important insights

- Effectiveness of processes
- Controls implemented
- System configuration
- Process deviations

## **Case description**

**Financial Statement  
Audit**

**Additional insight  
required**

## **Challenges**

**Different systems**

**Degree of  
automation**

**Access rights**

## Results

Important insights were gained

- Actual processes
- Deviations
- Four eye principle guaranteed

## Case description

Financial Services  
client

Additional insight  
required

## Challenges

Process outsourced

Technical logging

Incomplete logging

## Results

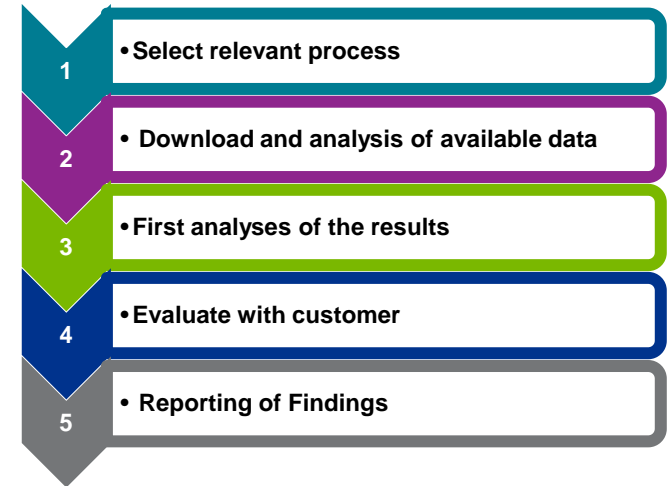
Audit gained important insights

- Process flow
- Process deviations
- Quality of control execution

# Lessons learned

Timely data collection

Data quality

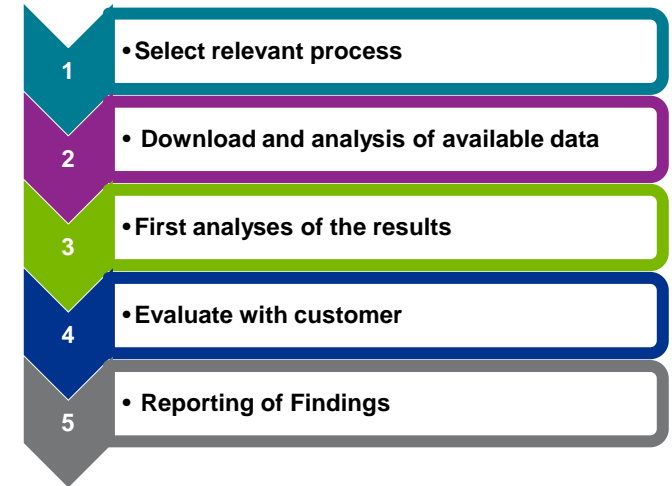


## First analyses

- Detail of process flows
- Interface between MO-system and DWH

## Process

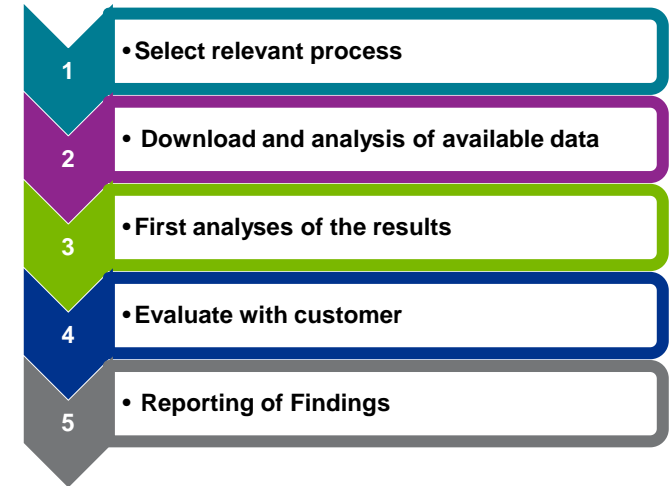
- Insight for financial auditors
- Segregation of duties
- Control quality





## Evaluation

- Interpretation
- Data fields
- System understanding
- Technical process flow



# Contact information



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