



World Bank Webinar: What should you look for in an information system for public debt management

## Debt Management Information System in the Republic of Macedonia

Renata Davitkova Panceva, MA

Head of Back Office, International Financial Relations and Public Debt Management Department

7<sup>th</sup> March, 2017

# Why Debt Management Information System

- ▶ Development and implementation of standard business processes related to debt management
- ▶ Improving the efficiency of business processes related to debt management
- ▶ Increasing control over financial and operational risks related to debt management

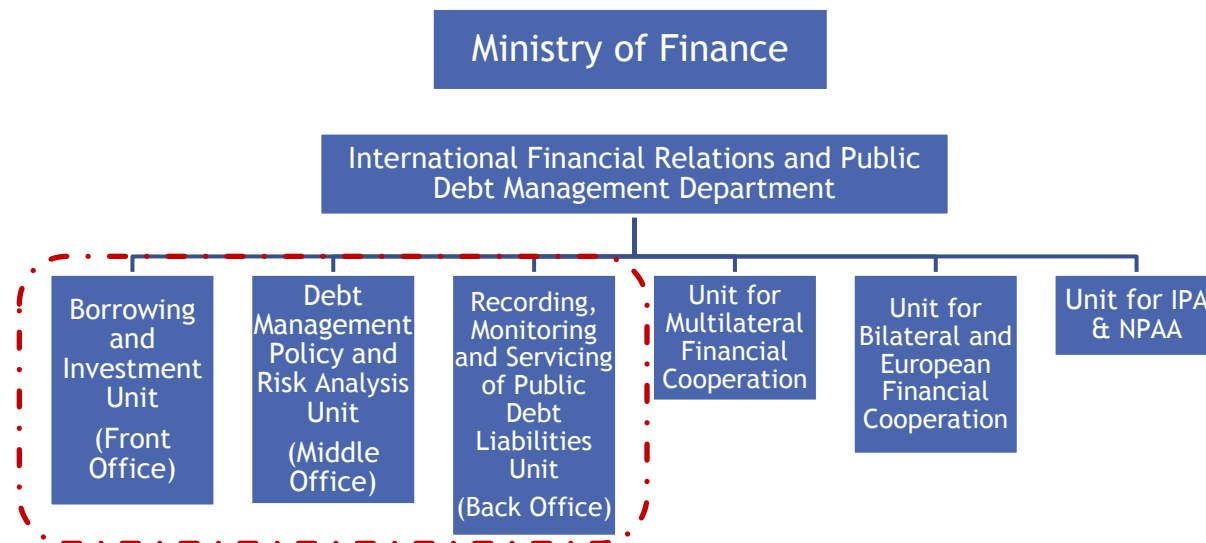
# Introduction of PDMIS

- ▶ Operational since 2012 (implementation started in 2008)
- ▶ System name: Public Debt Management Information System (hereinafter “PDMIS”)
- ▶ In-house build by a domestic company (ASSECO)
- ▶ No. of users: 10 employees involved in debt management activities
- ▶ No. of people involved in software development/maintenance: team of 8 people/ 2 people
- ▶ Cost for maintenance: 10-20% of the costs for software development

# Main characteristics of PDMIS

- ▶ Web based application model
- ▶ Database platform independent (using hibernate to make data access transparent)
- ▶ Support to debt management activities
- ▶ Provides integrated database of public external and domestic debt (including guarantees), debt servicing and reporting
- ▶ Straight-through transaction processing
- ▶ Interfaces with TRIS (Treasury Information System) and NBRM platform (E-bank)

# Debt management activities in the MoF organisational scheme



Debt Management activities

# Debt management activities

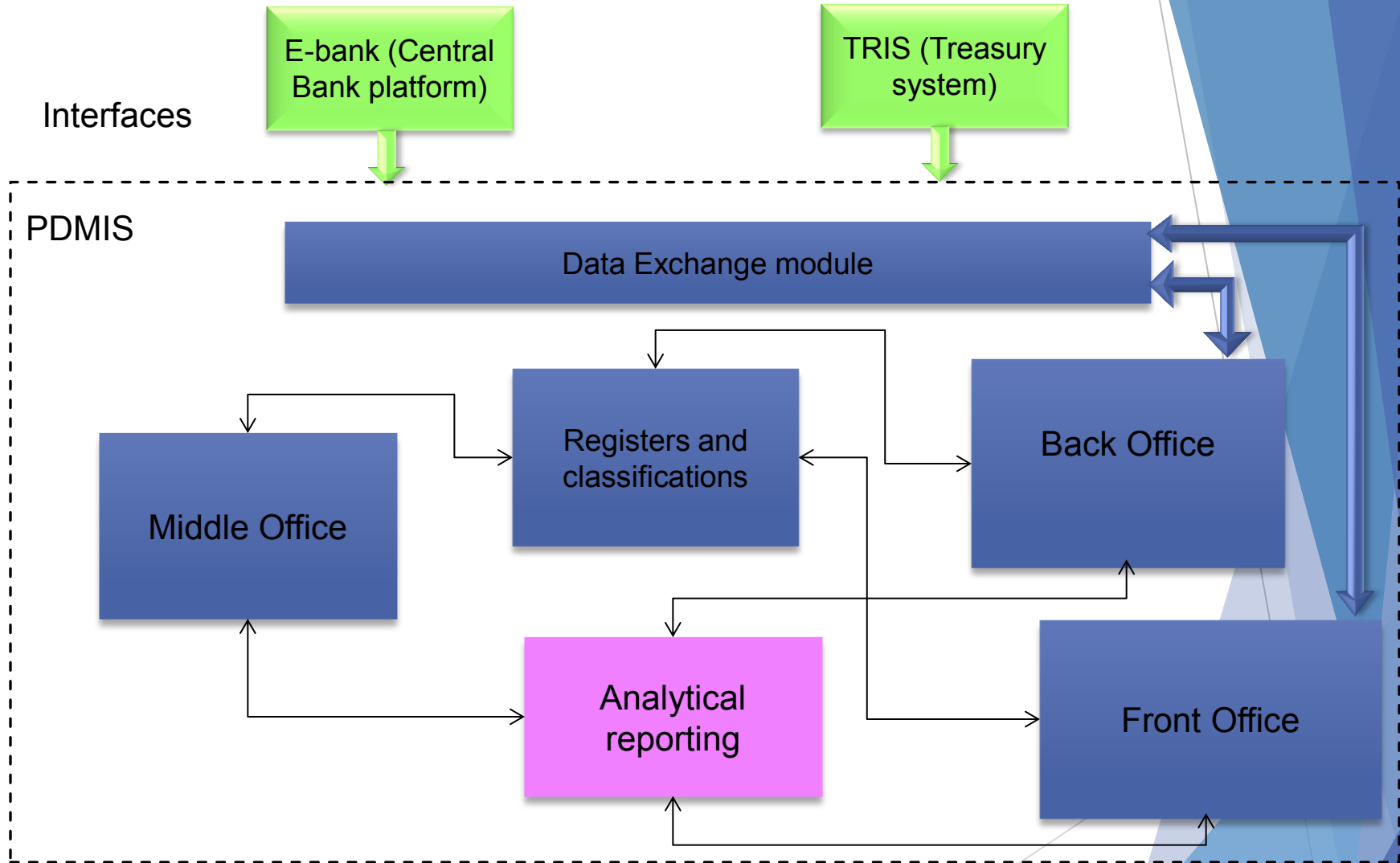


# Debt instruments used for debt management activities

Debt instruments	Number of entries in PDMIS per debt instrument (approximate)	
		as %
<b>Total</b>	<b>1.345</b>	<b>100.0%</b>
Loans	235	17.5%
Central government	144	10.7%
Local government	28	2.1%
SoE's*	63	4.7%
Eurobond	3	0.2%
T-bills	695	51.7%
T-bonds	275	20.4%
Structural bonds	17	1.3%
On-lending loans	120	8.9%

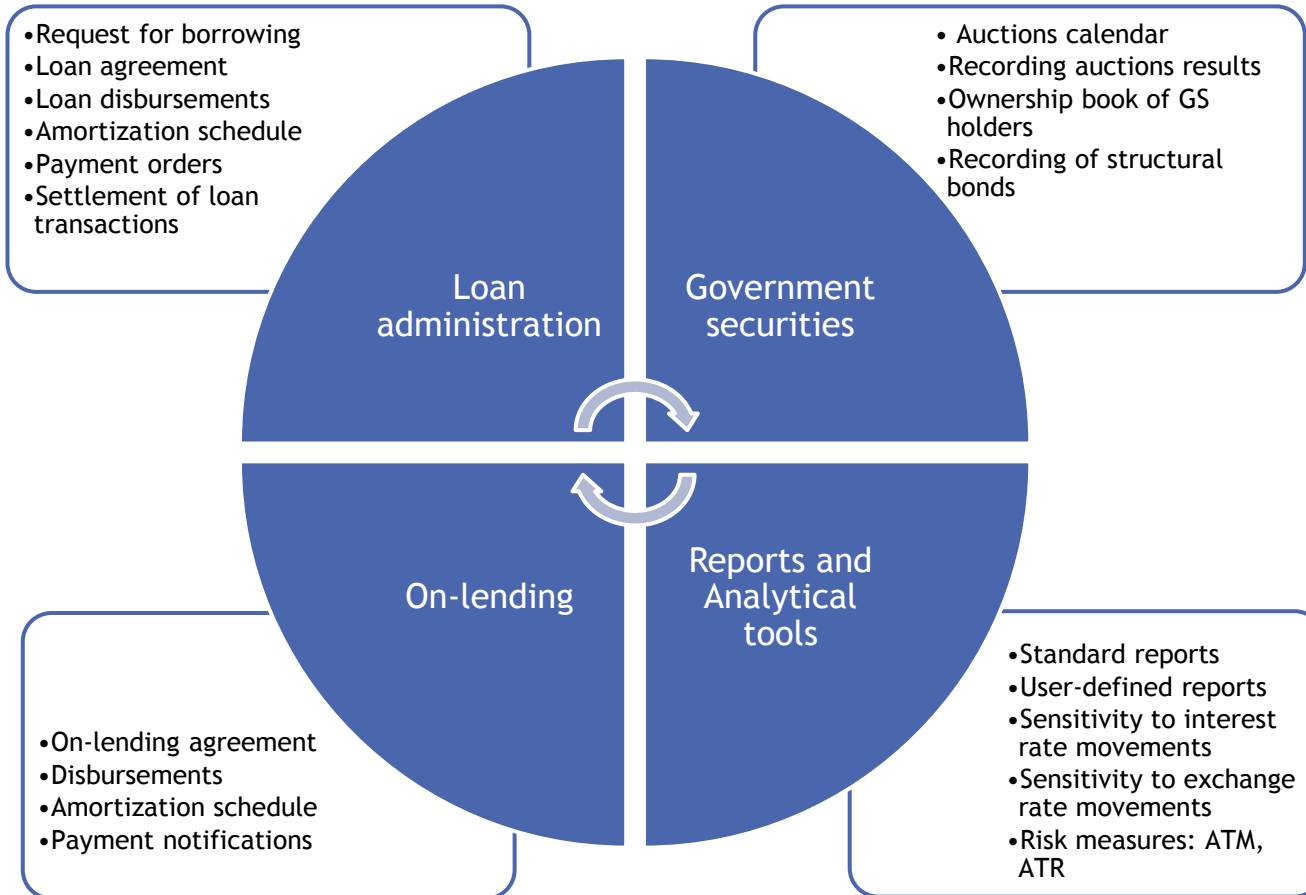
\* SoE's debt instruments includes both guaranteed and non-guaranteed loans

# Main modules of PDMIS

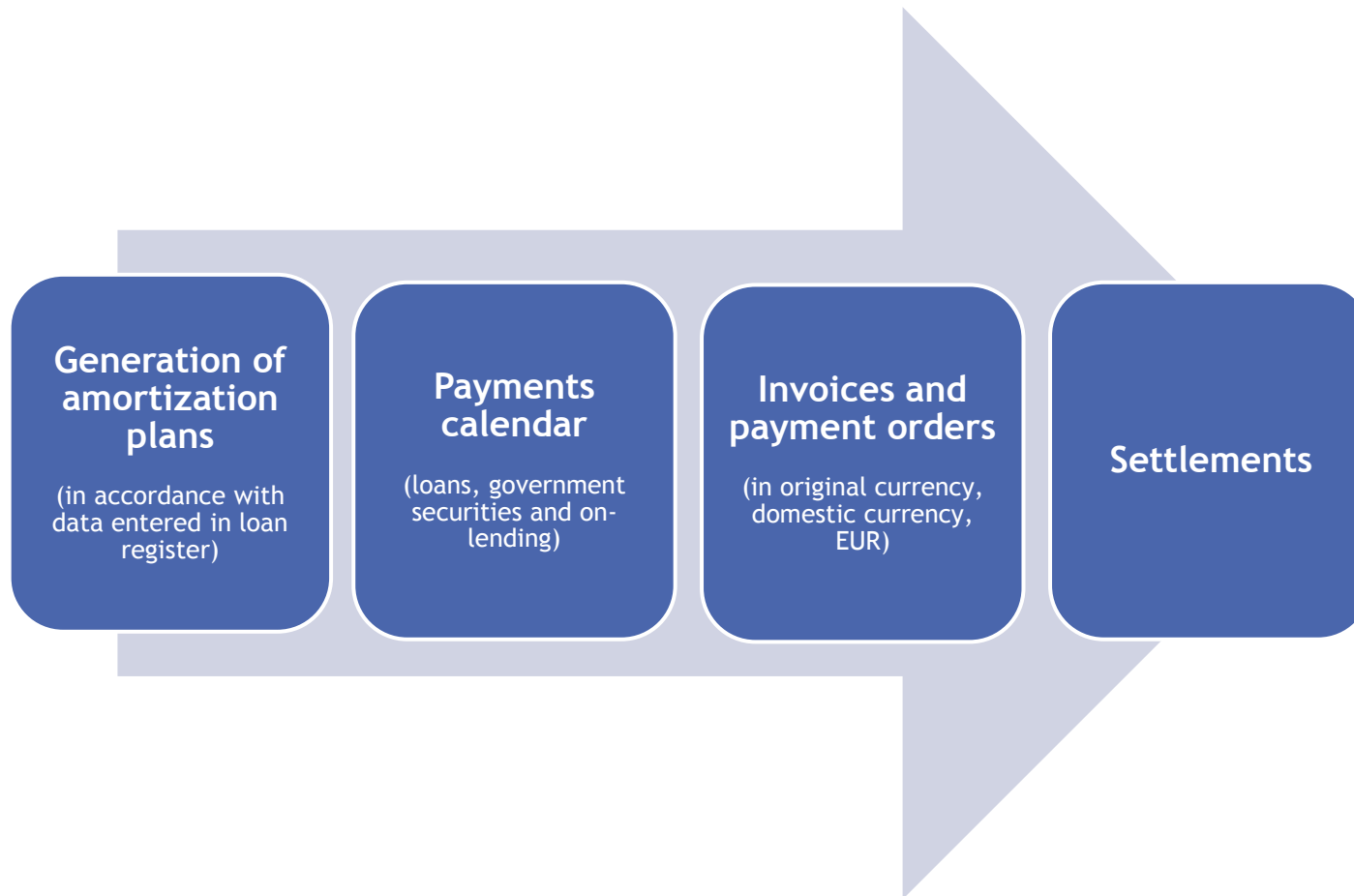


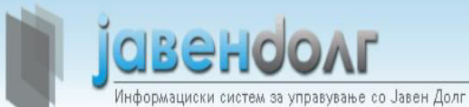


# Main functionalities of PDMIS



# Processing in PDMIS





ModeNew

- Involved Parties
- Treasury Securities
- Loan Registries
- OnLending
- Calendars
- Projections
- Bank Statements
- Turnover
- Limit Control
- Alignment
- Reports

Mode New

Credit Registry Help View

Mode New

Version 1.0.6 11.01.2010

State Одбери

Previous

Next

Name [input] choose Project

Tranche [input]

Date [input]

creditGroup Одбери

Loan Registry Type Одбери Loan Registry Date [input] Effective Date [input]

Name [input] Short Name [input]

Loan Registry Number [input]

Loan Request Number [input] Choose Request

Agreement Type Одбери Agreement Date [input]

Loan Ammount [input] Currency Одбери Interest effective date [input]

Credit Type Одбери Credit Dept Sign Одбери

# Benefits

- ▶ Offers an integrated view of the debt portfolio by centralizing the debt data
- ▶ Automation of business processes related to debt management (mainly Back Office)
- ▶ Reduced operational risks
- ▶ Improves the skills of employees in charge of debt related operations
- ▶ Improves both the quality and the flow of work related to debt management, including settlement of debt management transactions
- ▶ Improved transparency in the field of debt management
- ▶ Provides support for decision making

# Further challenges

- ▶ Development of new functionalities or adjusting the existing one, as the business processes evolves
- ▶ Improvement of the existing functionalities
  - development of projections on GS net issuance and repayments
  - development of new analytical tools
  - development of new reports according to international standard methodologies
  - further automation of payment and settlement processes
- ▶ Development of new module related to financial derivatives
- ▶ Improvement of existing interfaces and establishing new one (Central Securities Depository)
- ▶ On-line access to PDMIS (public debt issuers could submit their reports through direct access to PDMIS)

Thank you for your attention

Ministry of Finance of the Republic of Macedonia  
Department for International Financial Relations  
and Public Debt Management Department

[www.finance.gov.mk](http://www.finance.gov.mk)