Unidade de Implementação
da Lei de Enquadramento Orçamental

uniLeo Information Systems future

From today to a new Finance Ministry

18th January de 2018

Index

1. **Today (AS-IS)**
2. Processes of the future
3. Architecture of the future
4. New functions and possibilities
5. How do we get there

SOE – Sistema do Orçamento de Estado
SCEP – Sistema Central de Encargos Plurianuais
EIS – Sistema de informação de Apoio à Decisão
SCC – Sistema Central de Contabilidade
SIGO-SFA – Sistema de Informação dos Serviços e Fundos Autónomos
SGR (SI) – Sistema de Gestão de Receita (Serviços Integrados)
SCR – Sistema Central de Receita
CGE – Conta Geral do Estado

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The COBIT 5 was adopted as the framework to enable UniLeo governance and Information Systems sustainability

- *COBIT 5 Framework*
  - *Assures separation of Governance from Management*
  - *Assures a top-down approach and a single integrated framework*
- *Suggests the use of established frameworks:*
  - *Documents new processes with formal methodologies (TOGAF)*
  - *Guides the new organization to IT Development Methodologies (CMMI)*
  - *Guides the new organization to a PMO with sound and up-to-date management methodologies (Project Management and SCRUM)*
  - *Organizes IT Functions with ITIL*

Evaluate, Direct and Monitor
ISO/IEC 38500
Align, Plan and Organise
ISO/IEC 31000
TOGAF
ISO/IEC 27000
PRINCE2/PMBOK
CMMI
Build, Acquire and Implement
ITIL V3 2011 and ISO/IEC 20000
Deliver, Service and Support
Monitor, Evaluate and Assess

Processos em âmbito de projecto

- *First processes to be addressed in yellow*

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Integrated Public Financial Management Information System

Limited use

Sample ArchiMate Model (Axis I)

Sample ArchiMate Model (Sistema de Dados Mestre e Gestão de Utilizadores)

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Figure 9—Key Roles, Activities and Relationships

- *COBIT 5 Illustrative organizational structures*
  - *Suggests and clarifies different roles*
  - *Based on these roles all RACI charts are defined*

Business Roles

Role/Structure	Definition/Description
Board	The group of the most senior executives and/or non-executive directors of the enterprise who are accountable for the governance of the enterprise and have overall control of its resources
Chief Executive Officer (CEO)	The highest-ranking officer who is in charge of the total management of the enterprise
Chief Financial Officer (CFO)	The most senior official of the enterprise who is accountable for all aspects of financial management, including financial risk and controls and reliable and accurate accounts
Chief Operating Officer (COO)	The most senior official of the enterprise who is accountable for the operation of the enterprise
Business Executive	A senior management individual accountable for the operation of a specific business unit or subsidiary
Business Process Owner	An individual accountable for the performance of a process in realizing its objectives, driving process improvement and approving process changes
Strategy (IT Executive) Committee	A group of senior executives appointed by the board to ensure that the board is involved in, and kept informed of, major IT-related matters and decisions. The committee is accountable for managing the portfolios of IT-enabled investments, IT services and IT assets, ensuring that value is delivered and risk is managed. The committee is normally chaired by a board member, not by the CIO.
(Project and Programme) Steering Committees	A group of stakeholders and experts who are accountable for guidance of programmes and projects, including management and monitoring of plans, allocation of resources, delivery of benefits and value, and management of programme and project risk
Programme and Project Management Office (PMO)	The function responsible for supporting programme and project managers, and gathering, assessing and reporting information about the conduct of their programmes and constituent projects
Value Management Office (VMO)	The function that acts as the secretariat for managing investment and service portfolios, including assessing and advising on investment opportunities and business cases, recommending value governance/management methods and controls, and reporting on progress on sustaining and creating value from investments and services
Chief Risk Officer (CRO)	The most senior official of the enterprise who is accountable for all aspects of risk management across the enterprise. An IT risk officer function may be established to oversee IT-related risk.
Chief Information Security Officer (CISO)	The most senior official of the enterprise who is accountable for the security of enterprise information in all its forms
Architecture Board	A group of stakeholders and experts who are accountable for guidance on enterprise architecture-related matters and decisions, and for setting architectural policies and standards
Enterprise Risk Committee	The group of executives of the enterprise who are accountable for the enterprise-level collaboration and consensus required to support enterprise risk management (ERM) activities and decisions. An IT risk council may be established to consider IT risk in more detail and advise the enterprise risk committee.
Head of Human Resources	The most senior official of an enterprise who is accountable for planning and policies with respect to all human resources in that enterprise
Compliance	The function in the enterprise responsible for guidance on legal, regulatory and contractual compliance
Audit	The function in the enterprise responsible for provision of internal audits

Information Systems Roles

Role/Structure	Definition/Description
Chief Information Officer (CIO)	The most senior official of the enterprise who is responsible for aligning IT and business strategies and accountable for planning, resourcing and managing the delivery of IT services and solutions to support enterprise objectives
Head of Architecture	A senior individual accountable for the enterprise architecture process
Head of Development	A senior individual accountable for IT-related solution development processes
Head of IT Operations	A senior individual accountable for the IT operational environments and infrastructure
Head of IT Administration	A senior individual accountable for IT-related records and responsible for supporting IT-related administrative matters
Service Manager	An individual who manages the development, implementation, evaluation and ongoing management of new and existing products and services for a specific customer (user) or group of customers (users)
Information Security Manager	An individual who manages, designs, oversees and/or assesses an enterprise's information security
Business Continuity Manager	An individual who manages, designs, oversees and/or assesses an enterprise's business continuity capability, to ensure that the enterprise's critical functions continue to operate following disruptive events
Privacy Officer (DPO)	An individual who is responsible for monitoring the risk and business impacts of privacy laws and for guiding and co-ordinating the implementation of policies and activities that will ensure that the privacy directives are met. Also called data protection officer.

- *COBIT 5 RACI Chart for a Management Process*

Management Practice	Business Roles																	Information Systems Roles								
	Board	Chief Executive Officer (CEO)	Chief Financial Officer (CFO)	Chief Operating Officer (COO)	Business Executive	Business Process Owner	Strategy (IT Executive) Committee	(Project and Programme) Steering Committees	Programme and Project Management Office (PMO)	Value Management Office (VMO)	Chief Risk Officer (CRO)	Chief Information Security Officer (CISO)	Architecture Board	Enterprise Risk Committee	Head of Human Resources	Compliance	Audit	Chief Information Officer (CIO)	Head of Architecture	Head of Development	Head of IT Operations	Head of IT Administration	Service Manager	Information Security Manager	Business Continuity Manager	Privacy Officer (DPO)
APO02.01 Understand enterprise direction		C	C	C	A	C	C				C	C		C				R	C	R	R		R	R	R	
APO02.02 Assess the current environment, capabilities and performance.		C	C	C	R	C	C				C					C	C	A	R	R	R	C	C	C	C	
APO02.03 Define the target IT capabilities		A	C	C	C	I	R		I		C		C			C	C	R	C	C	C	C	C	C	C	
APO02.04 Conduct a gap analysis					R	R	C				C				C	R	R	A	R	R	R	R	R	R	C	
APO02.05 Define the strategic plan and road map.		C	I	C	C		C		R		C	C				C	C	A	C	C	C	C	C	C	C	
APO02.06 Communicate the IT strategy and direction.	I	R	I	I	R	I	A	I	I	I	I	I	I	I	I	I	I	R	I	I	I	I	I	I	I	I

R – Responsible, C – Consulted, A – Accountable, I – Informed

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SISTEMAS OPERACIONAIS

Subsistemas Base Transversal

- GUS _Gestão de Utilizadores e Segurança
- GE - Gestão de Entidades
- MIA - Manutenção de Informação Auxiliar (Listas Código postal, Nut's, Divisão Administrativa)
- GP - Gestão Períodos
- FRAW – Framework (Auditoria)
- AN -Alertas & Notificações
- COPC – Classificador Orçamental e Plano de Contas

Subsistemas que gerem "negócio"

- SCEE (ECE)
- SCGT (Gere CUT)
- PLAFIO
- SCRP (DCC) e/ou Faturação Eletrónica da AP?
- S3CP
  - RE - Reporte da Execução Orçamental, Económica e Financeira (Ficheiros Contabilísticos)
  - AO - Alterações Orçamentais

Via Portal

Sist. Admin Local, IGeFE, DGTF e Sistemas Contabilísticos Locais

Utilizadores Entidades das Administrações Públicas

SISTEMA CONSOLIDAÇÃO

SISTEMA DATAWAREHOUSE

Reporting:

PRESTAÇÃO de CONTAS & CONTA GERAL ESTADO

INDICADORES DE GESTÃO
INFORMAÇÃO INDIVIDUAL, AGREGADA E CONSOLIDADA

Conta Única do Tesouro – Expandida

Unidade de Implementação
da Lei de Enquadramento Orçamental

Thank you

January 2018