

# National Data Strategy Malta



**MALTA**EU2017

# Digital Malta 2014 – 2020

*Citizen*

*Business*

*Public Administration*

***Data Driven Economy***

## Data-Driven Public Administration

Malta

***Quod non est in Registro non est in Mundo***

**No Register – No Identifier**

14<sup>th</sup> June 2017

# Main Challenges – Paradigm Shift / Innovative Approach

From “Systems and Databases” To “Registers and Processes”

- Register of Registers
- Register of Datasets / Processes / Services (CPOV / CPSV)
- Uniform Resource Identifier (*National Standard and Central Repository*)
- Version Control – Original / Same As / Current Record Identifier
- Language Indicator
- Data Quality Indicators and Metrics
- Controlled Vocabularies (*Accredited Lists*)
- Definitions (*Interpretation Statements*)

**Once-Only Principle Implementation**

**Efficient Public Administration Services**

# National Data Strategy – Principles and Guidelines

## 12 Principles

## 1 Objective

1. Holistic Approach and Central Oversight
2. Legal Basis and Data Ownership
3. Classification of Data
4. Master and Reference Data Management
5. Metadata and Content from Accredited Source Only
6. National Vocabularies for Semantic Interoperability
7. Common Identity Management Protocols
8. Role-Based Authorisation and User Managed Access
9. Base / Foundation Data Registers
10. Linked Official Registers
11. Digital by Default
12. Open by Default

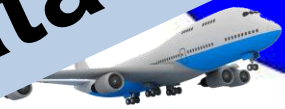
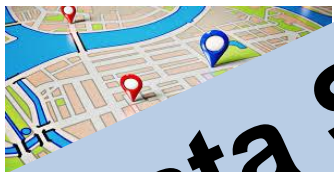
Linked Official Registers

# Data Stewardship Classification - (Core Vocabularies)

## Comprehensive Data Classification Scheme

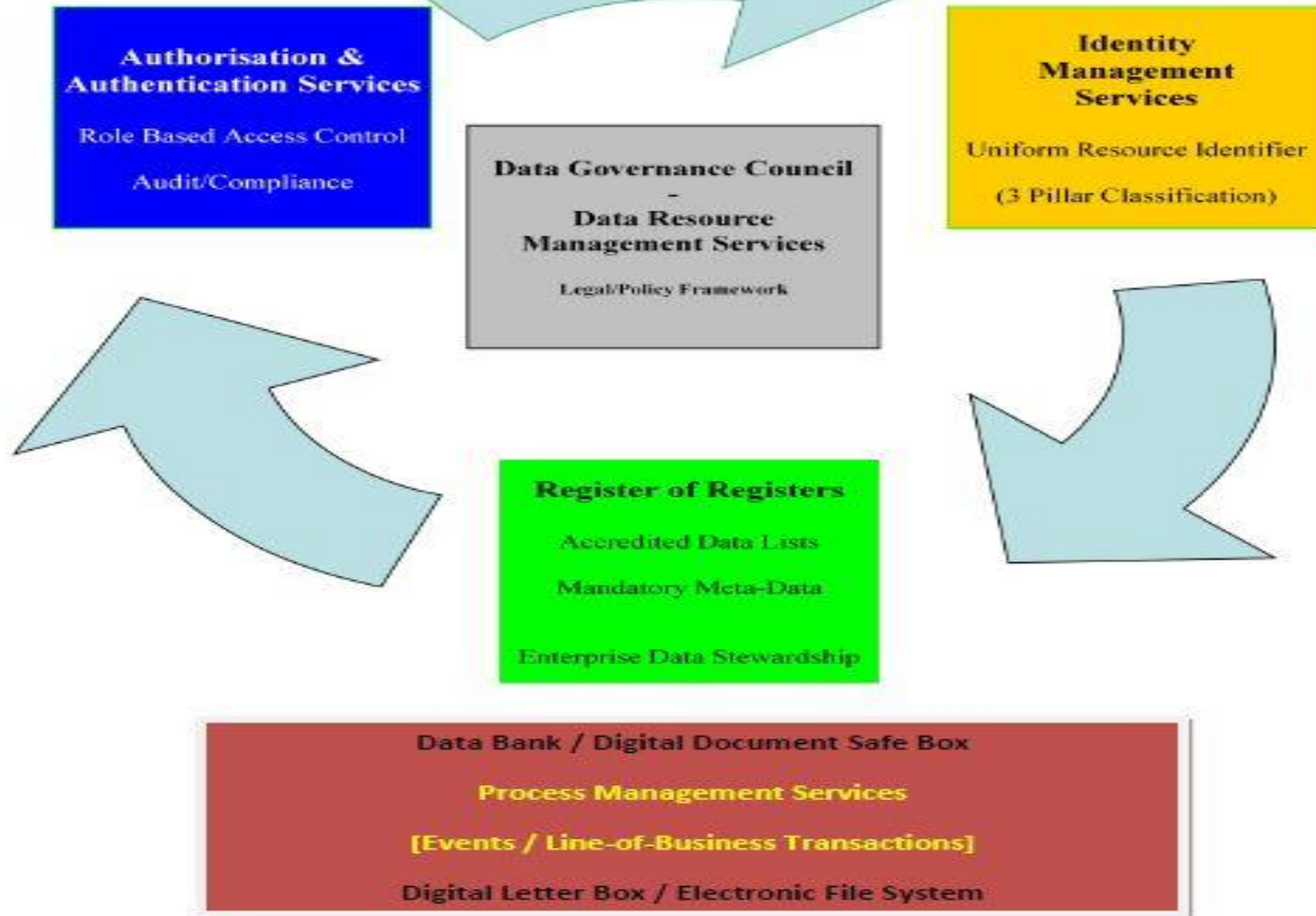


Vehicle - Moving Location ?



Data Sharing – Traffic Lights System

# Integrated Public Administration





**LEGAL**

**ORGANISATIONAL**

**SEMANTIC**

**TECHNOLOGY**

ed Public Admin

on &  
on Services

Based Access Control

Audit/Compliance

Council

Resource  
Management Services

Legal/Policy Fram

Identity  
Management  
Services

Uniform Resource Identifier

(3 Pillar Classification)

Registers

Credited Data List

Mandatory M

Ent

ent Safe Box

Management Services

ne-of-Business Transactions]

al Letter Box / Electronic File System

# National Data Infrastructure (Building Blocks)

- **National Data (Discovery) Platform**
  - Malta Open Data Portal – (Single Harvesting Source for European Data Portal)
  - Internal Data Sharing Services (Simplification and Reduction of Bureaucracy)
- **Metadata / Mapping Data / Middleware Data Platform**
- **Authorisation, Representation and Authentication Platform**
- **Foundation Data Platform**
  - Enabling Technologies (Aggregation / Filtering / Orchestration / Transformation)
  - Master / Reference Data Management
    - Administrative (Legislation / Sectors / Functions / Public Organisations / Public Services)
    - Governance Registers (Systems / Databases / Applications (Apps / Websites)
    - Official / National Registers (Register of Registers)
    - Base Registers – ([OPM Circular 31/2016](#))



An iceberg floating in the ocean, used as a metaphor for data strategy. The visible tip represents the public-facing National Data Strategy, while the much larger submerged part represents the underlying services and systems. The iceberg is white and jagged, with a blue tint. The ocean is a deep blue, and the sky is a lighter blue with some clouds.

**National Data Strategy**

**National Data Services**

**Authorisation & Representation Services**

**Foundation Data Services**

**Person / Location / Organisation**

**Metadata / Mapping (Middleware) Services**

**Line-of-Business Systems / Processes**

# Our Philosophy for Once-Only Principle Implementation

- Establish the new Base Registers:
  - Person (OPM Circular 31/2016)
  - Postal Address / Location (OPM Circular 21/2016)
  - Organisation (Organisational Units);
- Establish a National Uniform Resource Identifier (URI) Registration Process
- Establish a gradual and non-invasive link between the Base Registers and Line-of-Business Registers – Primarily through a middleware platform persisting a Role/Status representing a Register which is linked to a natural Person from the Persons Register;
- Eliminate the repeated input and maintenance of data elements which can be derived from the National Base Registers and which are currently used in the existing official registers.

## National Data Strategy - Malta

# Thank You



[joseph.s.azzopardi@gov.mt](mailto:joseph.s.azzopardi@gov.mt)