Training Course for Public Sector CIOs and IT Leaders:

Managing the Public Sector Digital Transformation
Malta’s Casestudy

Day 1: October 10th 2017: Information, Data Management and Interoperability
Thessaloniki, Greece

Emanuel Darmanin
Digital Malta
(2014 -2020)

“Malta will prosper as a digitally-enabled nation in all sector of society”
Digital Malta: Digital Government

- Citizen & business-centric Government
- Efficient Government
- Open Government
- Essential Government Services

“The Digital Leader for the Government of Malta”
# CONvErGE – On-Premise Private Cloud for Gov

## Vertical eServices Applications

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## MCDMS

**Shared Enabling Layers**

- **Foundation Data Layer**
- **Technical Infrastructure Layer**

## Sponsors

- [mfa.gov.mt](http://mfa.gov.mt)
- [afao](http://afao)
- [IT](http://IT)
- [Investors in People](http://Investors in People)
Vision

“Access to 24x7 Public Services From Anywhere”
Data-Driven Public Administration – Challenges & Opportunities

• Need for a paradigm shift:
  • Sharing & Open data
  • Free-flow of data
  • Elimination of silos
  • once-only approach
• Data quality
• Definition & vocabularies
• Legislation: GDPR, FOI, PSI, INSPIRE
• Data driven economy

Legal
Organisational
Semantic
Technology
National Data Strategy – Principles & Guidelines

1. Holistic Approach
2. Legal Basis and Data Ownership
3. Classification of Data
4. Master and Reference Data Management
5. Metadata and Content from Accredited Source Only
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
Data Stewardship
National Data Infrastructures

- National Data (Discovery) Platform
  - Malta Open Data Portal
  - Internal Data Sharing Services
- 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 Services)
    - Governance Registers (Systems / Databases / Applications (Apps / Websites)
    - Official / National Registers (Register of Registers)
    - Base Registers – (OPM Circular 31/2016)
Enterprise Data Management Structures

- Tribunal
- Regulatory Authority
- PPS Decisions & Approvals
  - Data Governance Council Recommendations & Implementation Oversight
  - Governance Arm
- MITA Technical Perspectives
- CIO Council Data Sub-committee Implementation Arm
- Ministries & Entities Line-of-Business Data

Implementation Arm
## CyberSecurity Strategy

### SIGURTÀ ONLAIJNGHALIK

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<th>Policy</th>
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<th>Risk Management</th>
<th>Culture</th>
<th>Education</th>
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<td>Devising cyber security policy and strategy that sets the direction on a national level.</td>
<td>Creating effective legal and regulatory frameworks to support all aspects of the strategy.</td>
<td>Controlling risks through organisation, standards and technology.</td>
<td>Fostering awareness to encourage a responsible cyber culture throughout society.</td>
<td>Building cyber skills into the workforce and leadership through effective education.</td>
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Digital Government Governance Framework

- Delivery of Solutions:
  - Directly through MITA resources
  - Directly by CIOs
  - In collaboration with CIOs
  - Through brokering or outsourcing
  - Combination of above
Interaction between key stakeholders

MITA
Agency
Ministry responsible for IT
MITA chairs Council of CIOs

IT Funding Ministry of Finance

Malta Communication Authority (MCA)

Ministry responsible for IT

Malta Enterprise (ME)

Citizens / NGOs

Business / Startups

Permanent Secretaries / Chairmen of Public Sector Entities

Public Service / Public Sector

Public Service / Public Sector

Vendors, Suppliers & 3rd Part Contractors

European Union

Other Countries
Thank You

Emanuel Darmanin