



MT PSF Exercise on Open Access

Kick-off meeting

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Johann Caruana, Director
Ramona Saliba Scerri, Deputy Director
Jennifer Cassingena Harper, Consultant
Richard Blundell, Executive

Policy, Strategy and Internationalisation Unit, MCST

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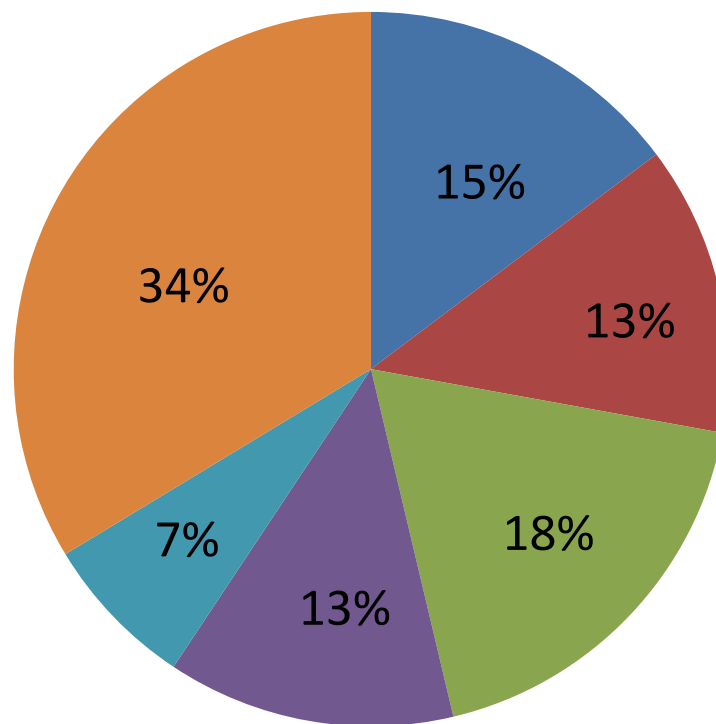
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Brief background to Malta

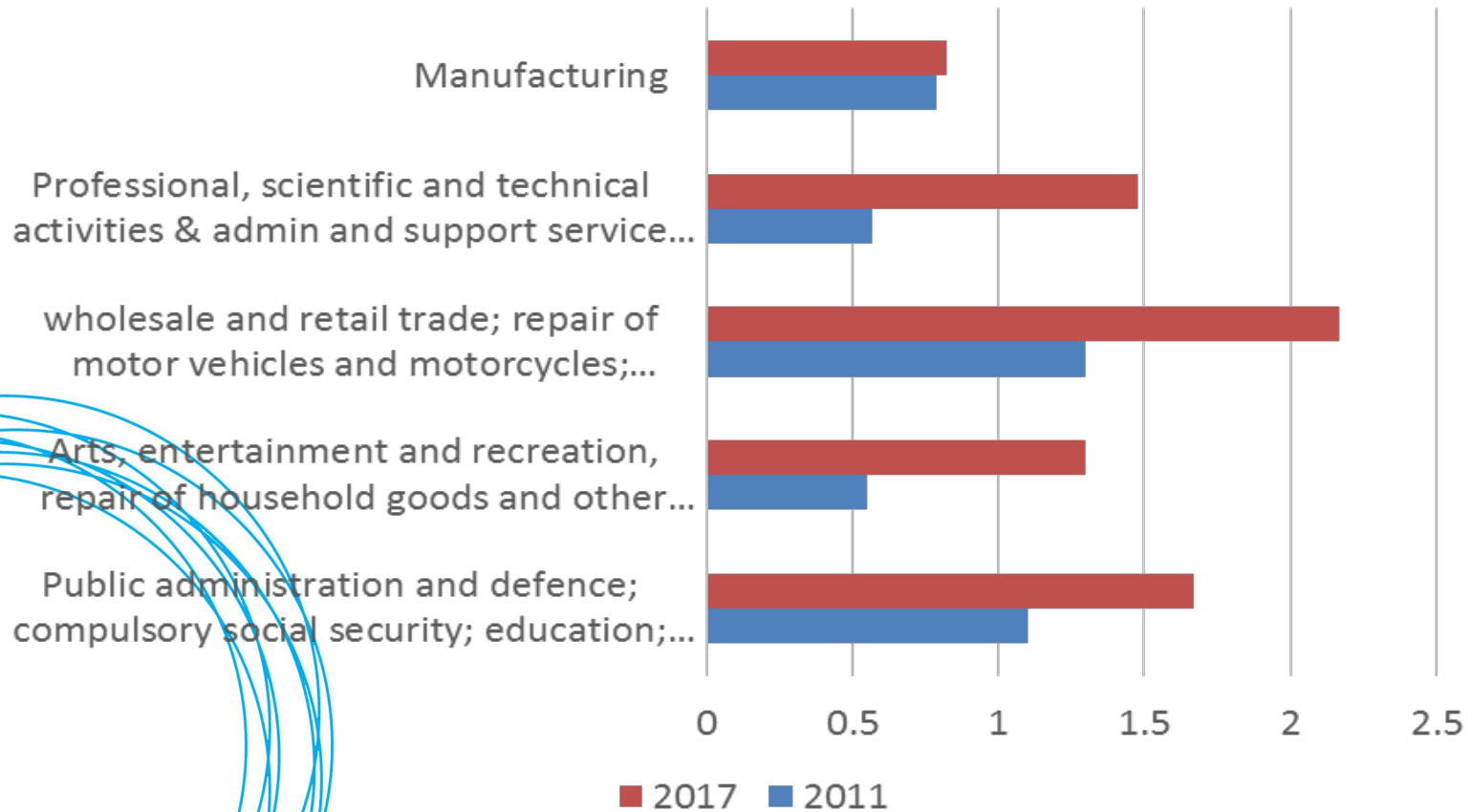
- Population: approx. 475,700 (2018)
- GDP : €12,320 million GDP growth: 6.7% in volume terms (Eurostat, 2018)
- Business demographics: SMEs 99.8% out of which 92.4% are micro enterprise (SBA Factsheet, 2018)
- Main Sectors accounting for GDP growth in 2018
 - Arts, entertainment and recreation, repair of household goods and other services increased by 9.4% (2017) and 11.3% (2018)
 - Professional, scientific and technical activities & admin and support service activities increased by 6.1% (2017); 9.8 % (2018)
 - Public administration and defence; compulsory social security; education; human health and social work activities: by 9.8% (2017); 9.1% (2018)
 - Mining and quarrying; manufacturing; electricity, gas, steam and air conditioning supply; water supply; sewerage, waste management and remediation activities increased by 8.7% (2017); 8.8 % (2018).

GDP % from the production side in 2018

- Public administration and defence; compulsory social security; education; human health and social work activities
- Arts, entertainment and recreation, repair of household goods and other services
- Wholesale and retail trade; repair of motor vehicles and motorcycles; transportation and storage; accommodation and food service activities
- Professional, scientific and technical activities & admin and support service activities
- Manufacturing
- Other



GDP growth by sector 2011 - 2017



Key Economic Trends and Forecasts

Indicators	2016	2017	2018	2019
GDP growth (% , yoy)	5,5	6,6	5,8	5,1
Inflation (% , yoy)	0,9	1,3	1,6	1,8
Unemployment (%)	4,7	4,0	4,0	4,0
Public budget balance (% of GDP)	1,0	3,9	1,1	1,3
Gross public debt (% of GDP)	56,2	50,8	47,1	43,4
Current account balance (% of GDP)	7,0	12,6	11,5	11,3

Key Education Statistics

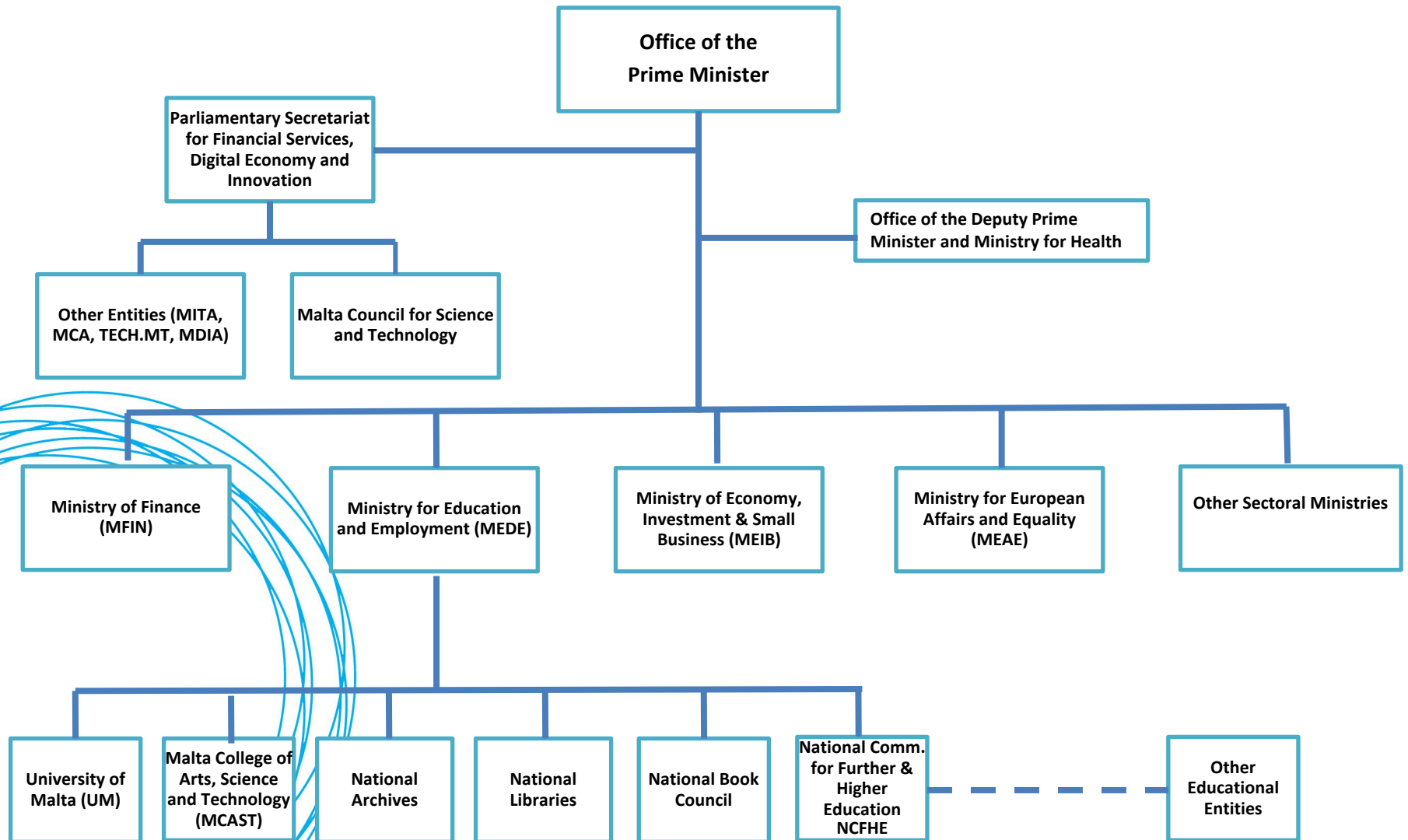
Malta	Relative	Performance	
	to EU 2018	relative to EU	
	in	2011 in	
	2018	2011	2018
SUMMARY INNOVATION INDEX	78.7	68.4	85.7
Human resources	64.0	51.5	78.2
New doctorate graduates	17.4	0.0	25.3
Population with tertiary education	90.6	56.0	108.2
Lifelong learning	96.9	99.0	99.0
Attractive research systems	53.4	25.6	60.2
International scientific co-publications	91.1	46.3	132.6
Most cited publications	30.3	25.5	33.2
Foreign doctorate students	56.8	12.1	54.3

	2017
Public expenditure as a percentage of GDP(2016)	5.4%
Early leavers from education and training (age 18-24)	18.6%
Tertiary education attainment native-born (age 30-34)	30%
Adult participation in learning age 25-64	10.1%
Employment rate of recent graduates (age 20-34) ISCED3-8	94.5%
Persons with tertiary education and/or employed in science and technology as % of total employment (2016)	37%
Inbound graduate mobility bachelors (2016)	1.7%
Inbound graduate mobility masters (2016)	7.2%

- The rate of early school leavers (ESL) stood at 17.7 per cent during 2017, registering a drop of four percentage points from 2012 levels). The national ESL rate is still above Malta's Europe 2020 target of 10 per cent and above EU 28 average for 2017.

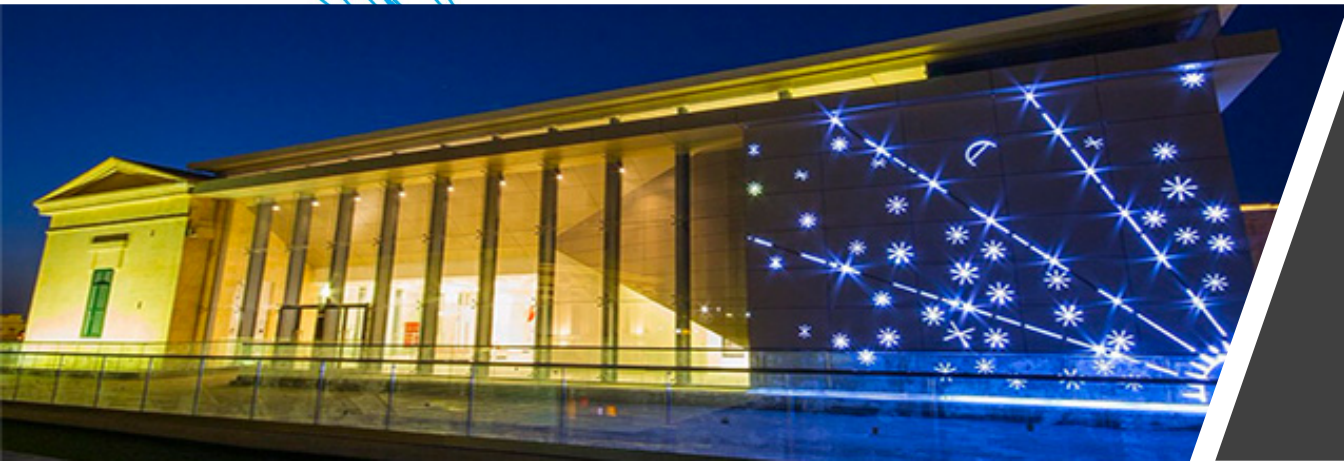
- Out of all persons aged 30-34 years having achieved tertiary level education, a constant increase was recorded over the period of six years, with the Europe 2020 target of 33 per cent being met in 2017

Key Government Stakeholders





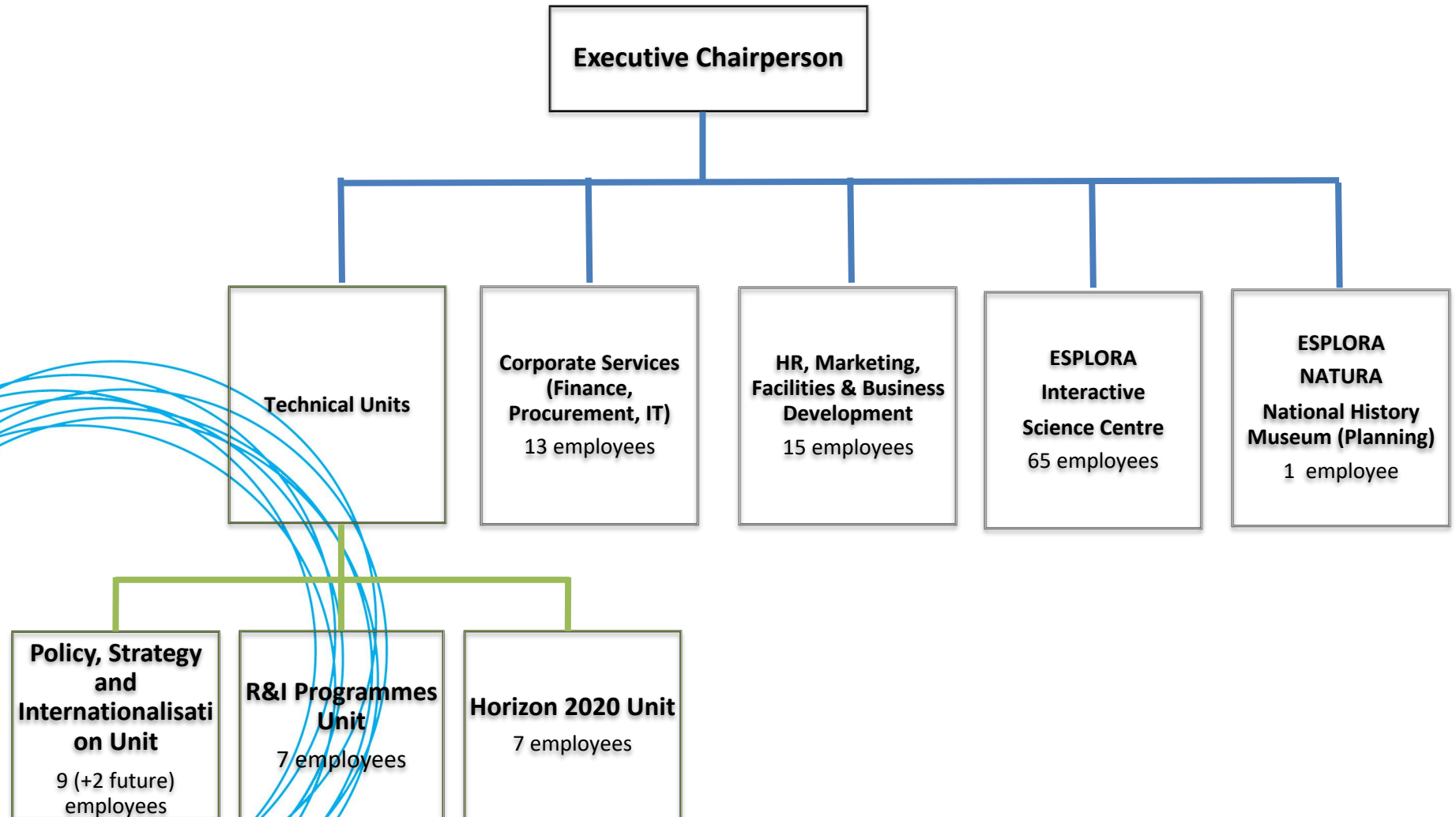
The Malta Council for Science and Technology (MCST)



The Malta Council for Science and Technology

- Established by the Government in 1988 with the mandate of advising government on science and technology policy.
- Public body acting for and on behalf of the Foundation for Science and Technology.
- Part of the portfolio of the Parliamentary Secretariat for Financial Services, Digital Economy and Innovation within the Office of the Prime Minister.
- Total Revenue: approx. Eur 7m (2017)
- Number of Employees: 121

MCST Organisation Chart



MCST's remit

Remit extended over the years to now include:

- (a) Advising Government on research, innovation and space policy
- (b) Responsible for the **National Open Access Policy**
- (c) Managing the National R&I Funding Programme and other Internationalisation Initiatives.
- (d) Acting as National Contact Organisation for Horizon 2020
- (e) Setting up and running of Explora – the National Interactive Science Centre


Platform for Maltese Research and Innovation (pluMTri)

Platform managed by MCST that:

- facilitates networking and knowledge sharing among international and national stakeholders involved in the spheres of research and innovation
- serves as a 'one-stop-shop' for information on relevant funding opportunities and events
- In collaboration with other major stakeholders

Platform for Maltese Research and Innovation (pluMTri)

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Welcome to PluMTri Portal

A platform for Research & Innovation

Welcome

Welcome to PluMTri!

PluMTri is administered by the Malta Council for Science and Technology (MCST) as a tool for researcher and innovation (R&I) stakeholders in Malta and abroad. The portal has been updated to provide users with the opportunity to connect and network with one another, to gain access to relevant information on local and international R&I developments, events and funding opportunities and to act as Malta's 'Open Science' platform.

Thank you for registering to PluMTri and helping Malta's research and innovation community to continue to grow.

MCST

R&I Statistics 2016 - 2017

- In 2017 total expenditure on R&D was €61million, or 0.55% of GDP.
- Business Enterprise sector contributed 62.0% to total R&D, whereas the Higher Education and Government Sectors contributed 36% and 1% respectively.
- In 2016, the highest rate of R&D activity was recorded in Engineering and Technology (49.6% of total expenditure), followed by Natural Sciences (18.3%) and Medical Sciences (12.2%).
- Each sector mostly funds its own research, supplemented by foreign funds. Foreign funds for R&D reached 10.7% of total funds.
- The highest R&D employment rate was in the Higher Education sector (1,218 employees), followed by the Business Enterprise sector (1,111 employees). In 2016, of 2,408 employees engaged in R&D, 1,405 dedicate part of the time to R&D.
- Total researchers (FTE) - 894 (out of which 510 in business, 20 in government and 364 in higher education) - latest data 2017

Main measures and actions

Various national support schemes

- Undergraduate, post-graduate, doctoral and post-doctoral level scholarships
- National and ERDF funded support scheme funds
 - FUSION – the National R&I funding program
 - National Space Fund
 - Internationalisation Funds: PRIMA, JPI Oceans, IPAS
 - Malta Enterprise R&D Schemes
 - ERDF Business Enhance

Participation in Horizon 2020

- 162 Maltese participants
- 119 signed grant agreements
- Over € 22.698 million in net funding (of which €5.245 going to SMEs)
- Success rate – around 14.18% (slightly below MS average of 15.05%)
- Most successful areas of participation: ICT and Health

H2020 Policy Support Facility on Open Access



Context

- OA Policy featured in the Electoral Manifesto of 2017
- In 2017 Malta applied for a PSF exercise on OA.
- OA Policy by 2020
- Taking note of the progress in the European Open Science Cloud (EOSC)
- Noting the advancement of many EU MS in the area of OA policy – Malta does not yet have an OA Policy
- Different models adopted by different countries
- Tied to general issues on Open Science and Innovation

PSF Application

Within the context of the development of a National Open Access Policy, the support from the PSF would assist Malta to determine the right path for a smooth transition to an Open Access environment, by providing guidance on:

1. An appropriate approach and process for formulating a tailor-made policy for the specific Maltese context. The aim is to **identify and engage all possible local stakeholders** and secure their buy-in to the effective design and implementation of the policy.
2. Defining the **vision, goals and scope of the policy** and **determining the type of research information, data and results to be made accessible**. The aim is to focus primarily on **publicly funded scientific information**. Key questions to be addressed amongst others are the inclusion of **other data, whether any cut off dates for data** are to be considered and **whether any changes in national legislation** are required.

PSF Application contd.

3. Furthermore, the exercise would need to clarify the **requirements for implementation** including the **setting up of the required infrastructure and resources** and the **means for supporting and ensuring timely compliance**. Key questions to be addressed here concern the setting up of a **national platform** and **responsory**, its **governance**, the **investments involved**, and how it can be eventually **linked to the European and International platforms**. The policy will also need to tackle the issues related to the **FAIR use of data**, and address any required **capacity building measures**, to achieve a successful transition to Open Access.

The final milestone of this exercise is to have a **national policy** which will clearly pave Malta's path towards Open Access at par with other European Member States.

Possible main stakeholders

- UoM Library
 - Launched their own OA Policy
- MCAST Library
- MEDE – regulate other research/educational/universities/colleges)
- Malta Public Libraries
- National Archive of Malta
- Publishing houses (TBD)

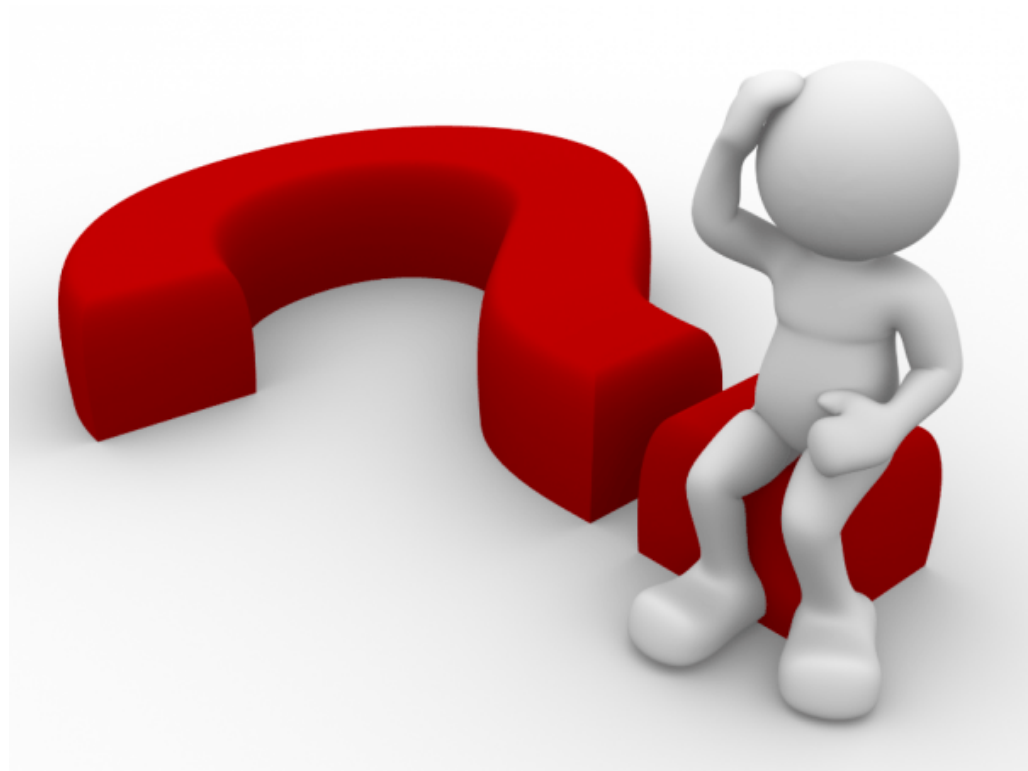
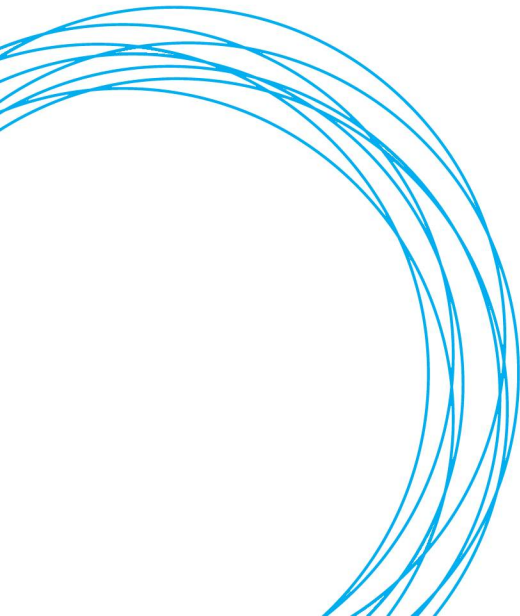
Other stakeholders

- OPM – Department of Information
- MITA
- Office of the Data Protection Commissioner.
- Malta Communications Authority
- Malta Digital Innovation Authority (MDIA)
- Tech.MT

Non-Governmental Stakeholders?

- Private Publishers?
- Learned Societies? (list not exhaustive)
 - The Malta Archelogy Society
 - Malta Medical School Gazette
 - Malta Medical Journal
 - Astronomical Society of Malta

Q & A Session





Thank you for your
kind attention