Emphasys CENTRE

Centre for Education, ICT Training and Research

Private Organisation – Educational Centre

Accredited by the Cyprus Ministry of Education and Culture

European Research Centre

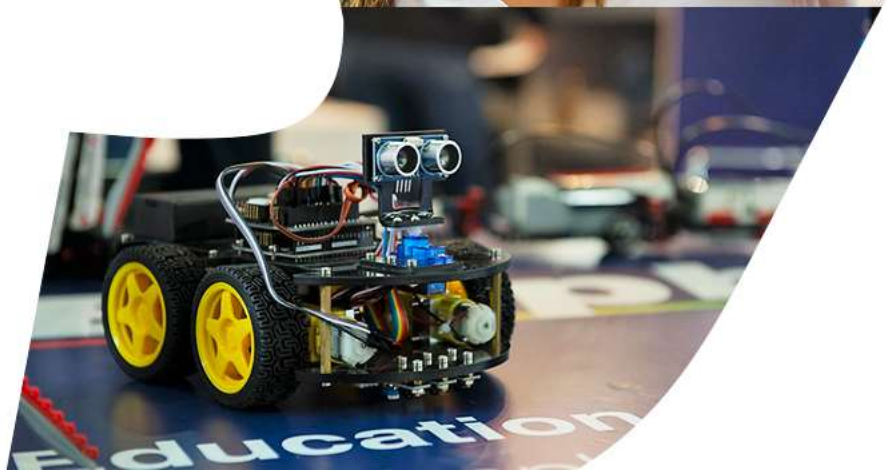
Our contribution to achieving the targets set in ET 2020 Strategy has introduced us to the world of collaboration, building of knowledge and skills alliances, mobility of policies and good practices that will enrich the quality and competitiveness of the services provided

Main Programmes

Erasmus+ KA1 - Learning Mobility of Individuals:
(Educators, Youth Workers and Young People)

Erasmus+ KA2 – Innovation and Exchange of Good Practice.

Erasmus+ KA3 – Support for policy reform



Sectors:

- School Sector
- VET Sector
- Youth Sector
- Adult Sector
- Higher Education
- Sports
- AMIF

Network of Assoc s

1. ICELAND
2. FINLAND
3. FRANCE
4. GERMANY
5. GREECE
6. ITALY
7. CYPRUS
8. UNITED KINGDOM
9. BULGARIA
10. LATVIA
11. LITHUANIA
12. LUXEMBOURG
13. POLAND
14. ROMANIA
15. PORTUGAL
16. SPAIN
17. SLOVENIA
18. SWEDEN
19. TURKEY
20. CROATIA
21. BELGIUM
22. NETHERLANDS
23. AUSTRIA

Emphasys CENTRE

EU partners (Indicative)

The Cyprus Ministry of Education and Culture, the Cyprus Chamber of Commerce and Industry (CCCI), the Cyprus Employers and Industrialists Federation (OEB) and the European Office of Cyprus (EOC) are pleased to announce the organisation of the Cyprus International «Education and Career» Exhibition 2020.

The Exhibition will take place at the Cyprus International Fair grounds in Nicosia between the 7th and 9th of February 2020.

RESEARCH

European Projects

Actions

- Preparation, implementation, management and coordination of various EU projects in the field of Education, School, Adult VET and Youth.
- Provision of consultancy services to schools, organisations, NGOs etc.
- Providers and hosting organisations for Learning Mobility Courses, Traineeships, Internships, Job Shadowing.

DigI-VET - Fostering Digitization and Industry 4.0 in vocational education and training

Project Number: 2018-1-DE02-KA202-005145

IO1: Research on Digitalisation and Industry 4.0

IO2: The DigI-VET sMooC

IO3: The DigI-VET Book

IO4: Curriculum and Didactical Materials

IO5: Online Observatory of Digitisation Best Practices

Find us:

Website: http://digivet.eduproject.eu/

Partners:

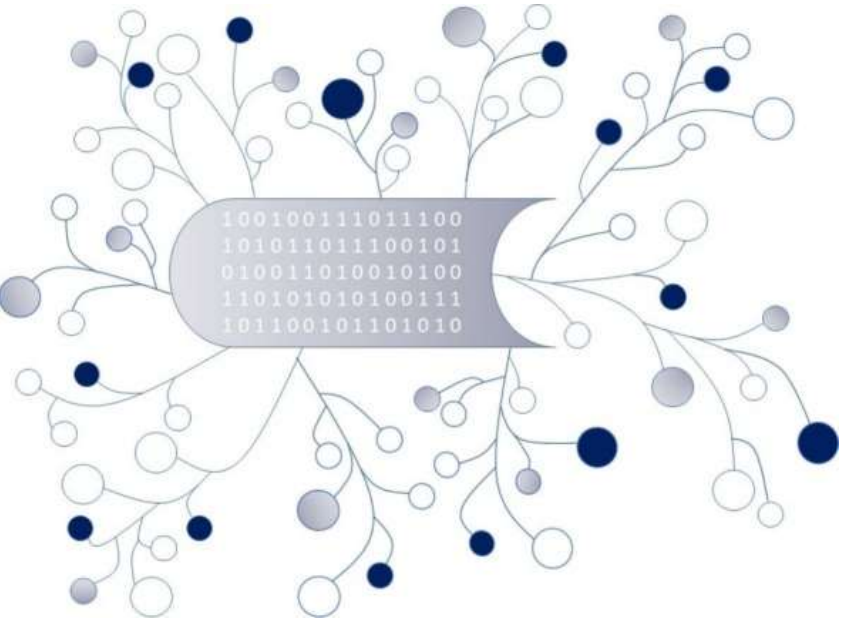
Ingenious Knowledge

WP Paderborn Department Wirtschaftspädagogik

ARVET

AOA Arges

Emphasys Centre



DigI-VET - Fostering Digitization and Industry 4.0 in vocational education and training

Project Number: 2018-1-DE02-KA202-005145

DIGI-VET sMOOC – Massive Open Online Course

https://moocit.de/index.php?title=DigI-VET_-_English_sMOOC

Find us:

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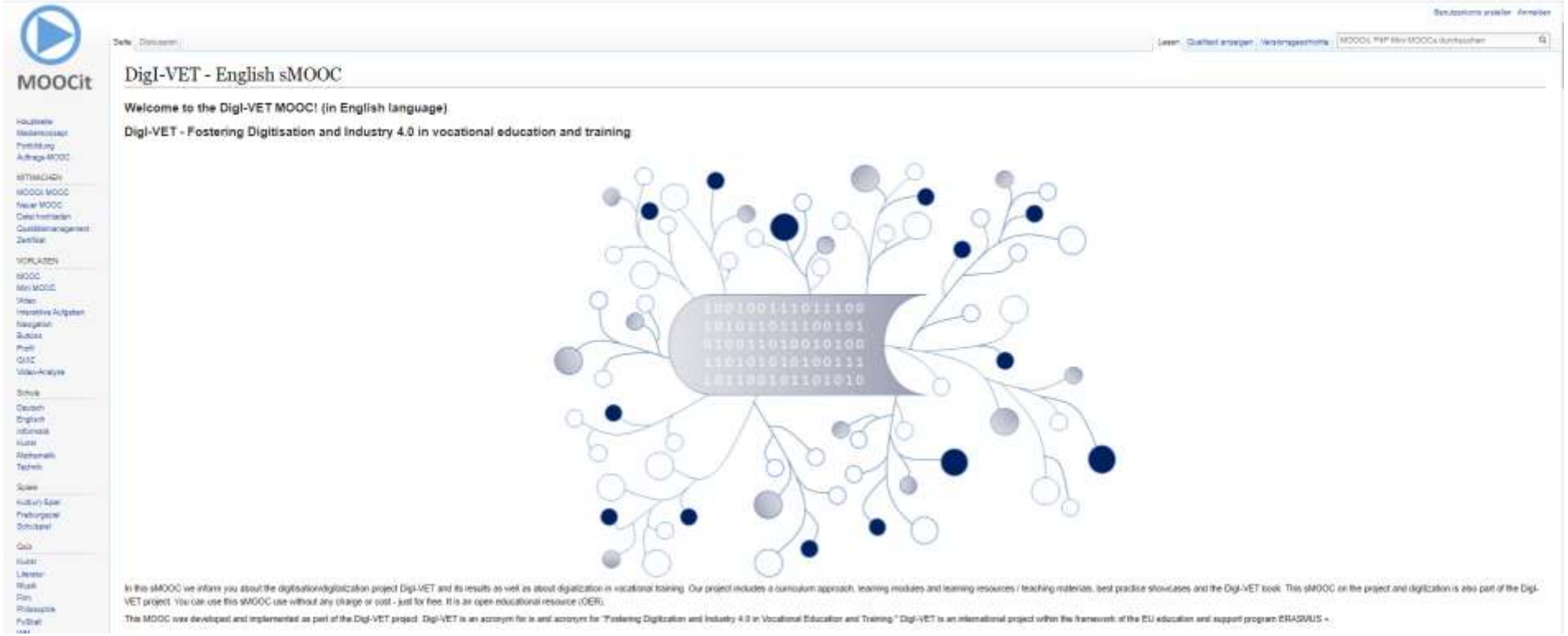

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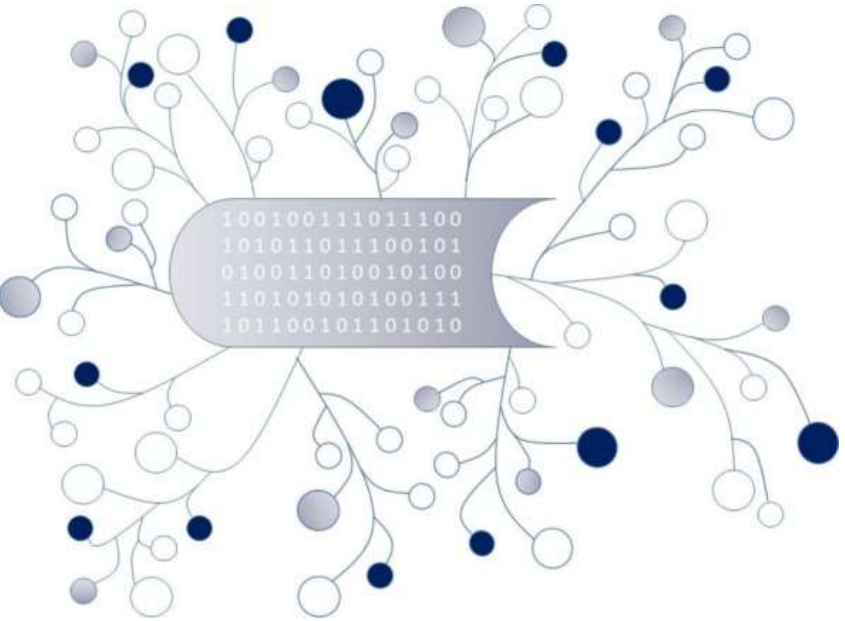

DigI-VET - Fostering Digitization and Industry 4.0 in vocational education and training

Project Number: 2018-1-DE02-KA202-005145

DESIGN OF THE DIGI-VET BOOK

New and innovative ways of learning and teaching in the age of digitization and **Industry 4.0.**

Needs to address digitization and Industry 4.0 in **vocational education and training (VET).**

Find us:

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DIGI-VET

Structure of the book –Version for discussion

DIGI-VET

Fostering Digitisation and Industry 4.0

Education – Vocation - Industry - Future

Introduction/Foreword

A Digitisation and Industry 4.0 in Europe – A first glance

1. What is Digitisation? [IK]
2. Industry 4.0 an introduction to the ideas and new possibilities [UPB]

B The DIGI-VET project

3. Importance of Digitisation for education and industry – Form smart data and smart services [ARVET/AOAA]
4. DIGI-VET – Aims, structure and core ideas [IK / UPB]

C General Aspects of Digitisation at Companies

5. Digital transformation in industry [UPB]
6. Opportunities and challenges of Digitisation and Industry 4.0 in companies [EMPHASYS]

D General Aspects of Digitisation at Schools

7. Digitisation at School – Supporting tools for organisational issues [IK]
8. Digitisation in the Classroom - Learning Tools [UPB]

E The DIGI-VET Curriculum and Profiles

9. The DIGI-VET Learning Outcome Matrix and the Digi-VET Curriculum – Integration into course structures [IK / UPB]
10. Digital Competence Profiles for VET [ARVET / UPB]

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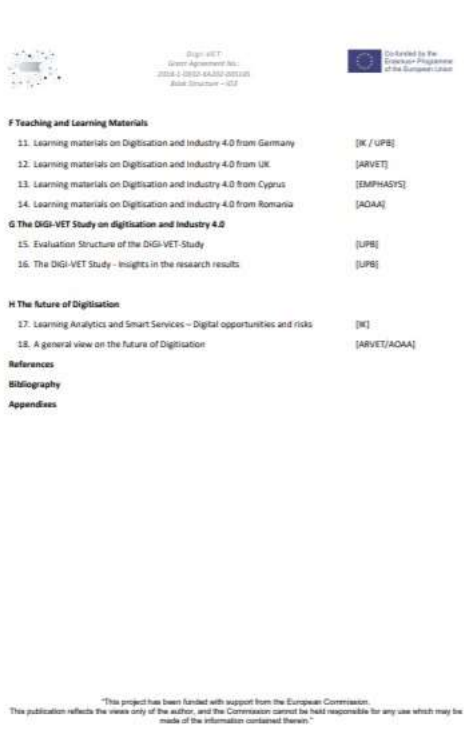

F Teaching and Learning Materials

11. Learning materials on Digitisation and Industry 4.0 from Germany [IK / UPB]
12. Learning materials on Digitisation and Industry 4.0 from UK [ARVET]
13. Learning materials on Digitisation and Industry 4.0 from Cyprus [EMPHASYS]
14. Learning materials on Digitisation and Industry 4.0 from Romania [AOAA]

G The DIGI-VET Study on digitisation and Industry 4.0

15. Evaluation Structure of the DIGI-VET-Study [UPB]
16. The DIGI-VET Study - Insights in the research results [UPB]

H The future of Digitisation

17. Learning Analytics and Smart Services – Digital opportunities and risks [IK]
18. A general view on the future of Digitisation [ARVET/AOAA]

References

Bibliography

Appendixes

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Structure of the DigI-VET Book

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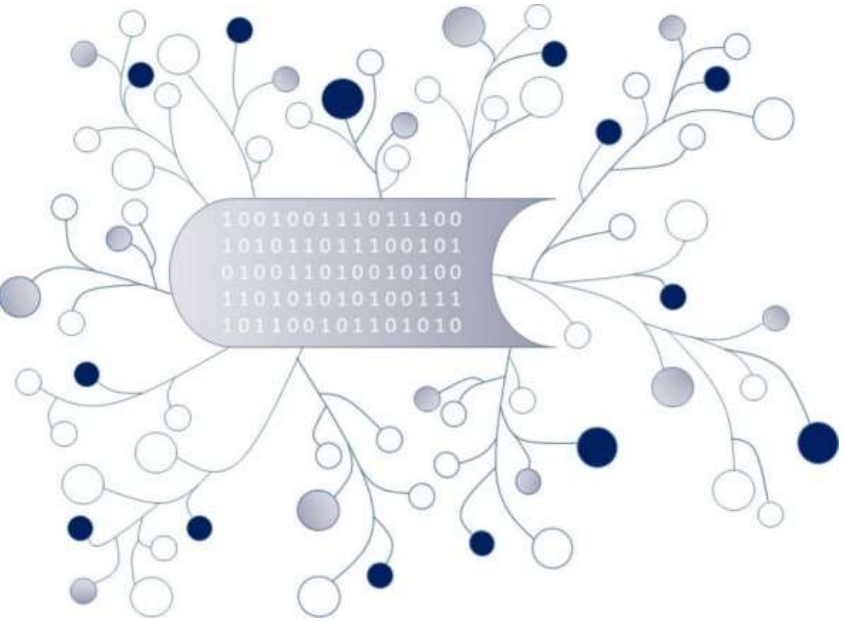

DigI-VET - Fostering Digitization and Industry 4.0 in vocational education and training

Project Number: 2018-1-DE02-KA202-005145

Module 1:

The DigI-VET project and the DigI-VET curriculum

Module 2:

Digitization and Industry 4.0 – Terms and History

Module 3:

Good Practices of Digitization and Industry 4.0

Module 4:

The need of digitisation in today´s world of work and insights into future developments

The DigI-VET Curriculum

Find us:

Website: http://digivet.eduproject.eu/

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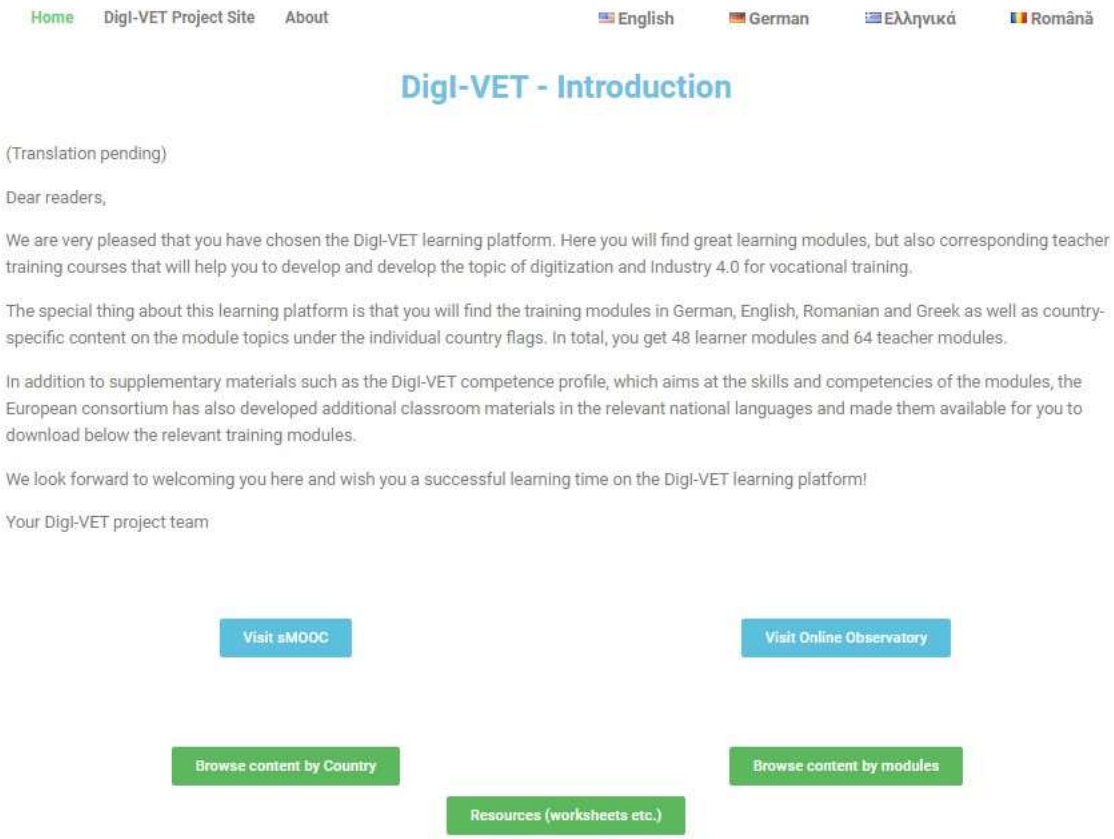
DigI-VET - Fostering Digitization and Industry 4.0 in vocational education and training

Project Number: 2018-1-DE02-KA202-005145



The DigI-VET Platform, which hosts all materials

http://digivet-tasks.eduproject.eu/

Find us:

Website: http://digivet.eduproject.eu/

Partners:

DigI-VET - Fostering Digitization and Industry 4.0 in vocational education and training

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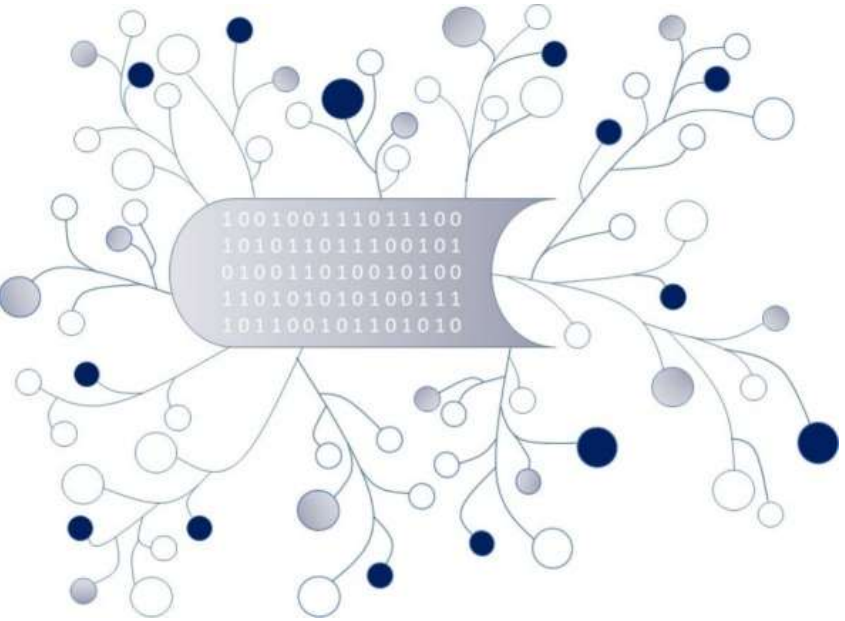

DigI-VET - Fostering Digitization and Industry 4.0 in vocational education and training

Project Number: 2018-1-DE02-KA202-005145

DIGI-VET Online Observatory

http://digivet-platform.eduproject.eu/

Find us:

Website: http://digivet.eduproject.eu/

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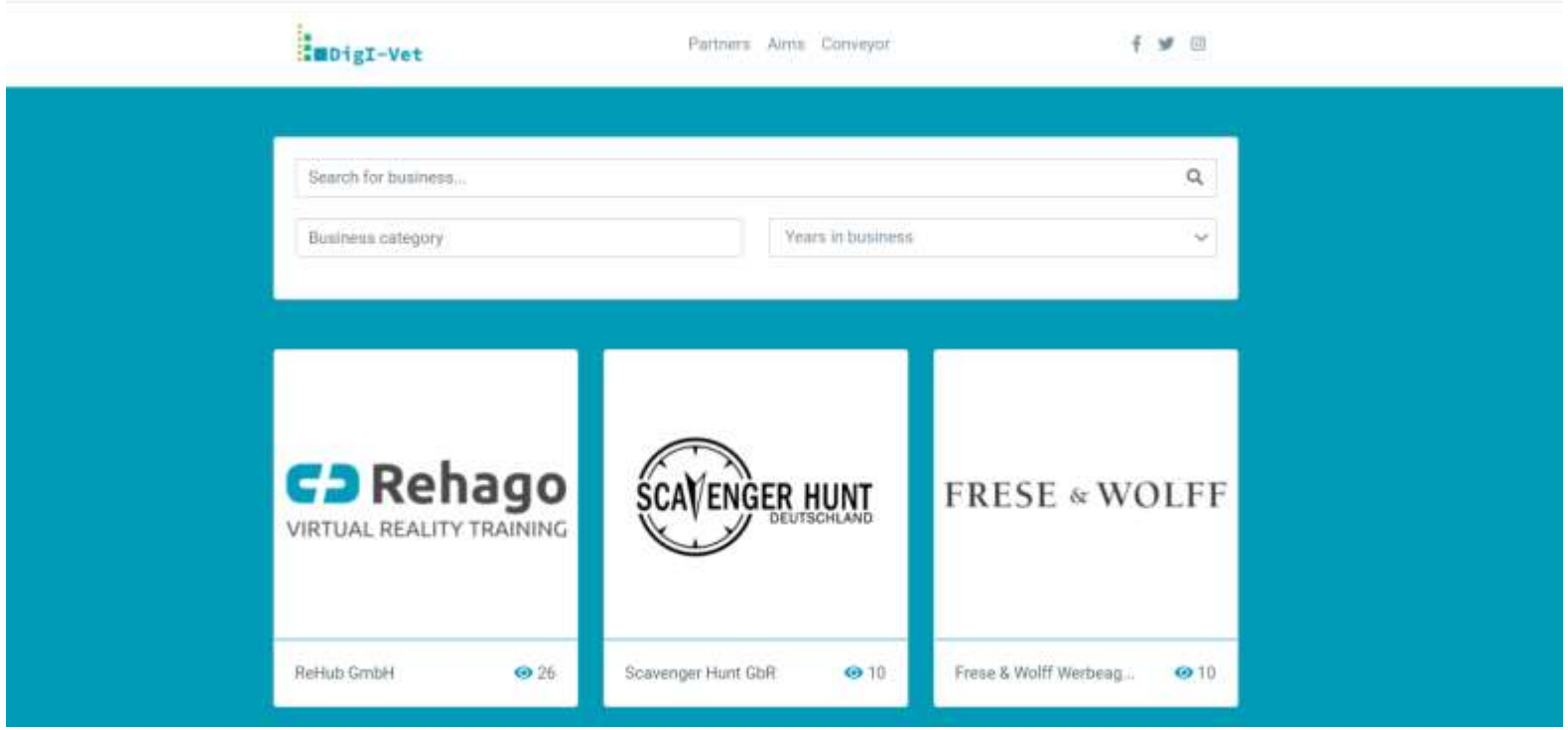

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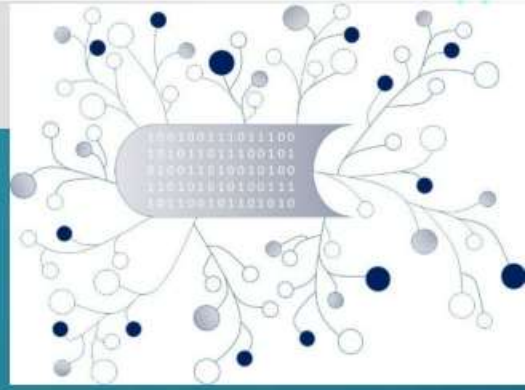
Digitisation in Cyprus

The following slides are from the Module C Learner materials



Current Status and future developments in Cyprus

1. **Introduction**
2. **Status of Digitisation in Cyprus**
3. **Digital Transformation/Future Developments**
4. **Conclusion**

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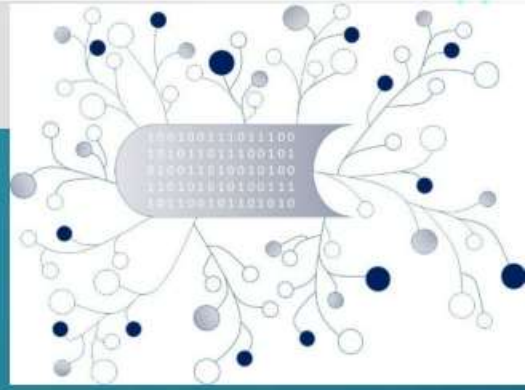

1. Introduction

During 2013, Cyprus was affected by the Eurozone financial and banking crisis.
However, after implementing the reform programme, Cyprus exited the EU/IMF bail-out programme in March 2016.

The video below explains a bit further.

https://www.youtube.com/watch?v=v1NApExY6Rs

Cyprus is a moderate innovator characterised by a medium-low level of Digitisation.
This can be partly attributed to structural differences from most EU economies, particularly regarding the low contribution in terms of value added, of high and medium tech **manufacturing**, foreign controlled enterprises and large firms.

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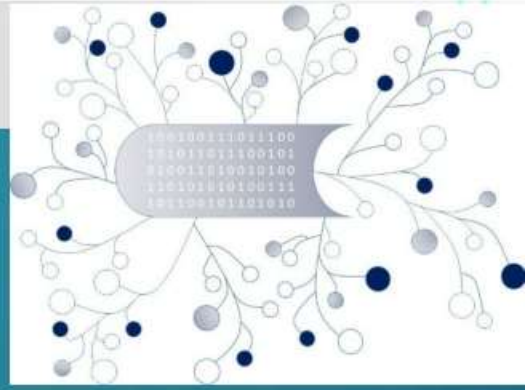

2. Status of Digitisation

According to the European Commission's Digital Economy and Society Index (DESI) 2019 Country Report, Cyprus ranks 22nd out of the 28 EU Member States.

In comparison to the previous reports in 2017 & 2018 Cyprus has improved in the areas of Connectivity, Use of internet services, Integration of digital technology and Digital public services, although it still scores below the EU average. However, Cyprus performed less well in the Human capital during 2019.

	Cyprus		EU
	rank	score	score
DESI 2019	**22**	**45.8**	**52.5**
DESI 2018	22	43.2	49.8
DESI 2017	22	40.5	46.9

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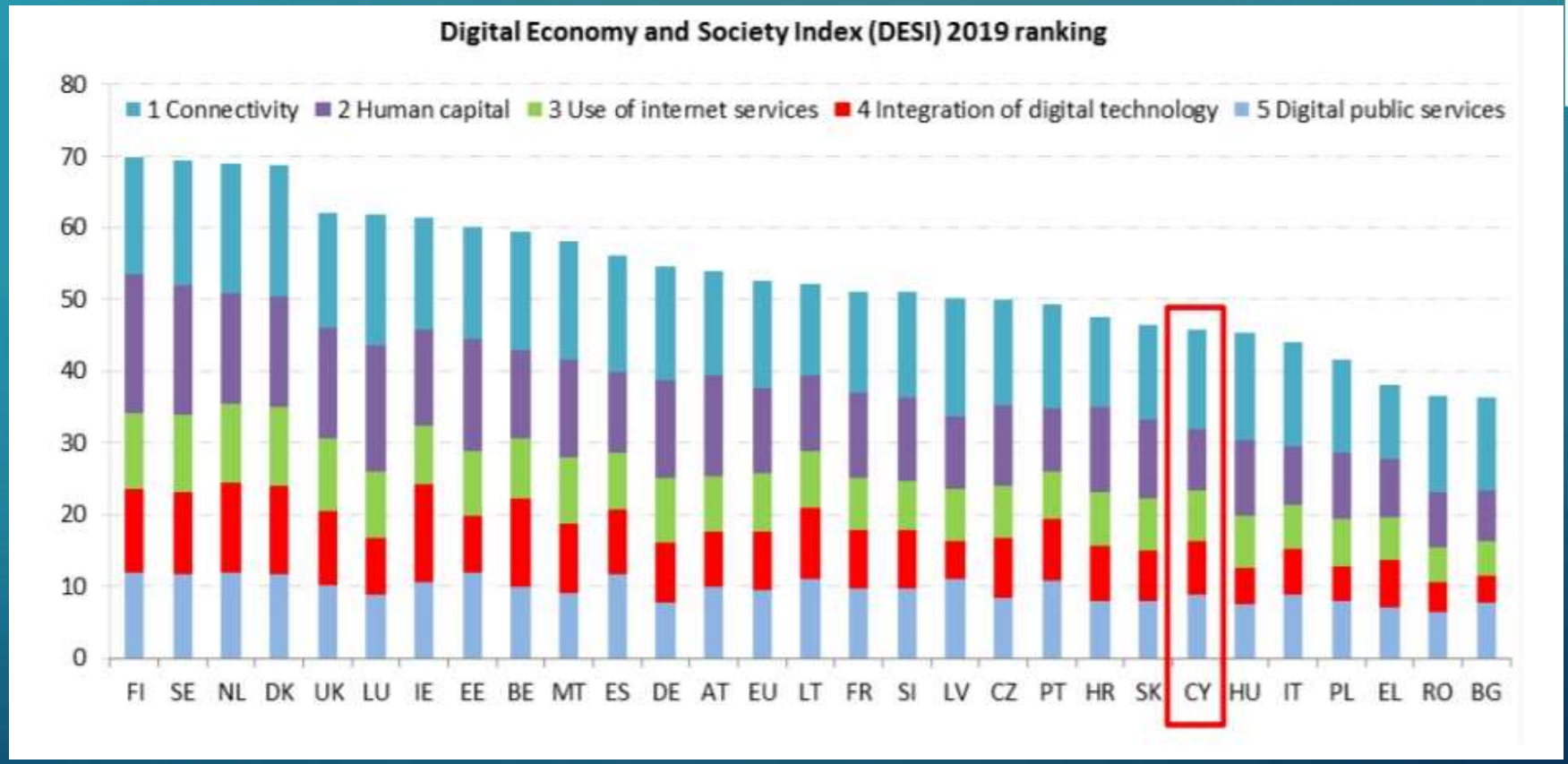

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In mobile broadband take-up, Cyprus is above the EU average. However, it is well below the EU average in the take-up of fast broadband. Almost a sixth of Cypriots have never used the Internet, and half lack basic digital skills. Despite growing demand in the labour market, the supply of ICT specialists is still below the EU average.

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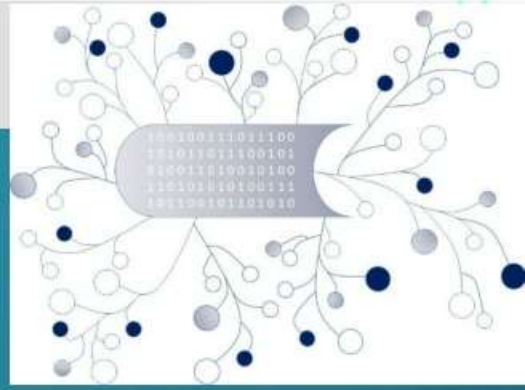

3. Digital Transformation / Future Developments

Innovation related to digital transformation, and particularly e-Government, is particularly important to support the currently slow pace of public sector reform in Cyprus, generating multiple benefits including:

- reduced bureaucracy and enhanced transparency,
- improved quality and efficiency of service to citizens and businesses
- improved citizens' satisfaction and enhanced credibility for the public service,
- reduced operational cost through increasing productivity and saving resources and time

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4. Conclusion

Although Cyprus took a big setback during the 2013 economic crisis, it seems that there is a slow but steady development in terms of its mobile broadband, connectivity and contributions towards education.

Its future plans that are to be implemented, include Artificial Intelligence and blockchain technologies as a country that already provides quality financial services.

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Thank you for your attention!

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