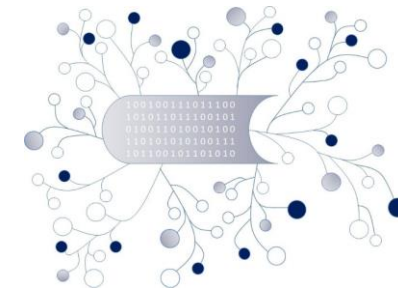


Fostering Digitization and Industry 4.0 in vocational education and training

Emphasys Centre Activities

Partners



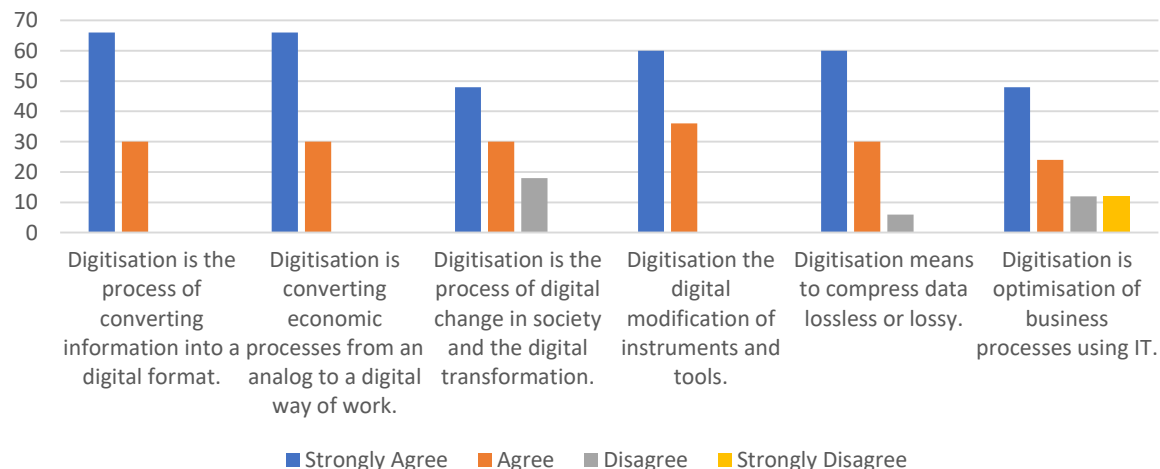


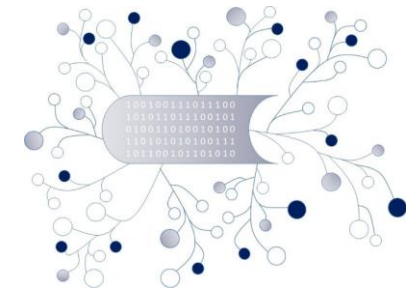
Intellectual Outputs

- **IO1 – Research on Digitalisation and Industry 4.0**

- When the Desktop research was conducted last year, there were hardly any public records regarding the topic in Cyprus. Cyprus has some form of Digitalisation in regards to its manufacturing Industry (Food mainly), but there is not enough demand for mass production at this stage – so parts of manufacturing are automatised and others not so much.

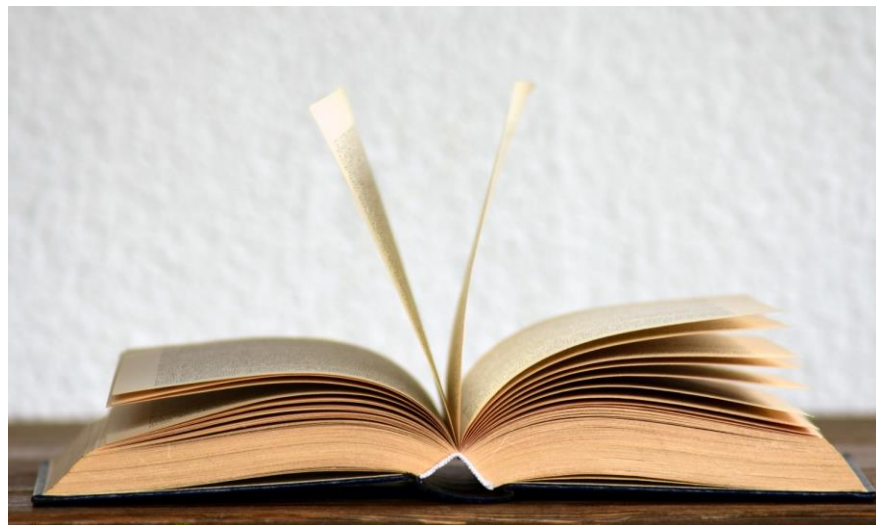
- Between the 10th of June – 20th of July 2019, Emphasys Centre conducted a survey about digitisation and industry 4.0. (96 participants in total). The conclusion was that, there is a major gap in the Cypriot market regarding digitisation and Industry 4.0 – so this project comes at a great time to inform the Cypriot public regarding this topic.

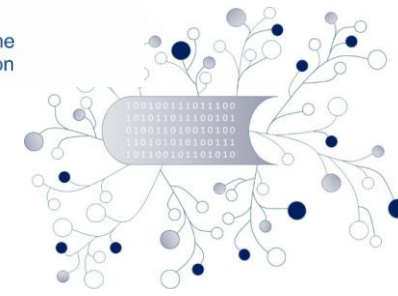




- **IO2 – The DigI-VET sMooc**
 - To be discussed at TPM2

- **IO3 – The DigI-VET book**
 - Already began research on Opportunities and challenges of Digitisation in Industry 4.0 in companies. (6-12 pages)
Further details to be discussed at TPM2



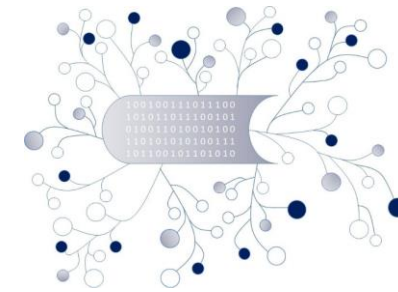


• IO4 – Curriculum and Didactical Materials

Proposed curriculum for Emphasys

1. Definition of Industry 4.0
2. History (1st industrial revolution, 2nd, 3rd...)
3. When did the Industrial Revolution 4.0 start?
4. World of Work (Operational transformation will require technology to support new ways of thinking about jobs, the way people who do them, and the information they need to do it.)
5. Industry 4.0 technologies (IoT sensors, Big Data, Analytics, Cloud computing, Robotics)
6. Design principles and goals (Interconnection, Information transparency, Technical assistance & Decentralized decisions)
7. Industry 4.0 Drivers (1. Digitization and integration of vertical and horizontal value chains, **2. Digitization of product and service offerings**, 3. Digital business models and customer access)
8. Agriculture and Industry 4.0
 - 8.1 Need of Industry 4.0 in Agriculture sector
 - 8.2 Connecting machines and farms
 - 8.3 How drones are revolutionizing agriculture
 - 8.4 Challenges in agriculture 4.0
 - 8.5 Future of Agriculture and Industry 4.0
9. How can Industry 4.0 help the food and beverage industry?
 - 9.1 Advantages of 4.0 in the food Industry
 - 9.2 Barriers to Transitioning to Industry 4.0
 - 9.3 Problems with Implementing Industry 4.0
 - 9.4 Does Industry 4.0 Affects Food Safety?
 - 9.5 Future of food and beverage in Industry 4.0
10. Why governments need to respond to Industry 4.0

IO5 – Online Observatory of Digitalisation Best Practices




The 5 companies Emphasys approached were:

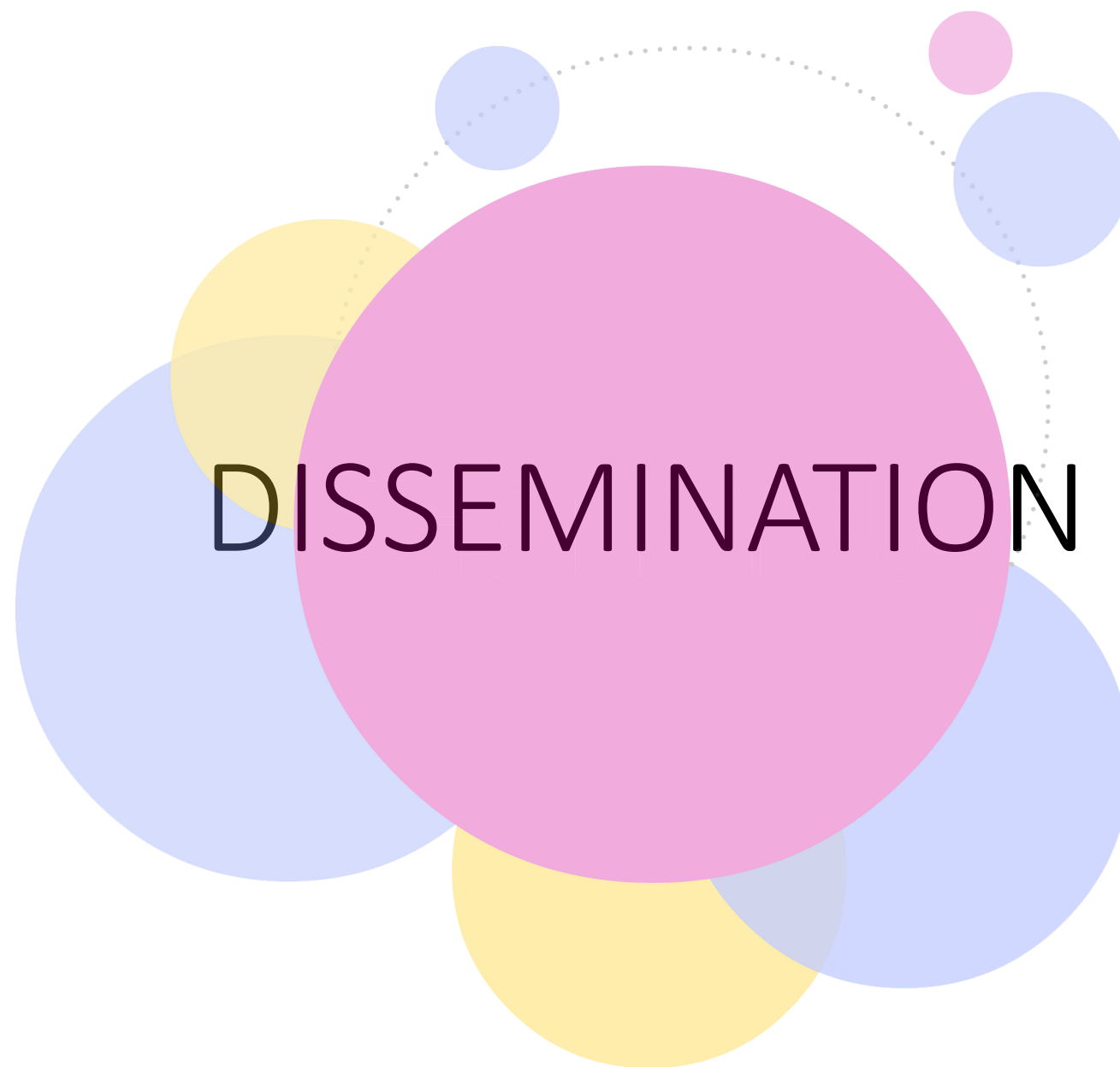
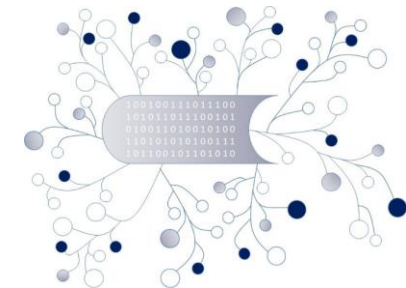
1. Vesta Solar Heaters Ltd 

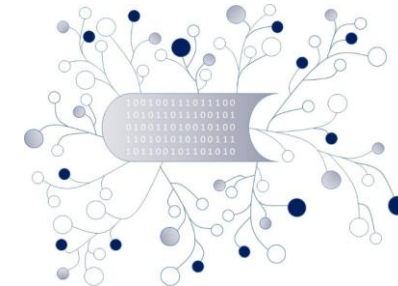
2. Alkis H. Hadjikyriacos (Froufrou Biscuits) Public Ltd 

3. A. Zorbas and Sons Ltd 

4. Roha Premium Potato Ltd 

5. Orthodoxos & Misos Warehouse Ltd 



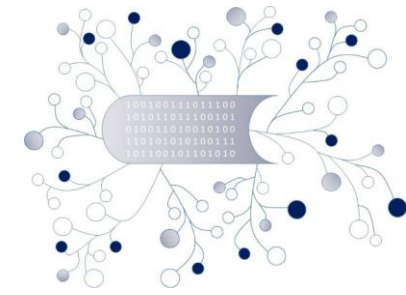


Activities so far...

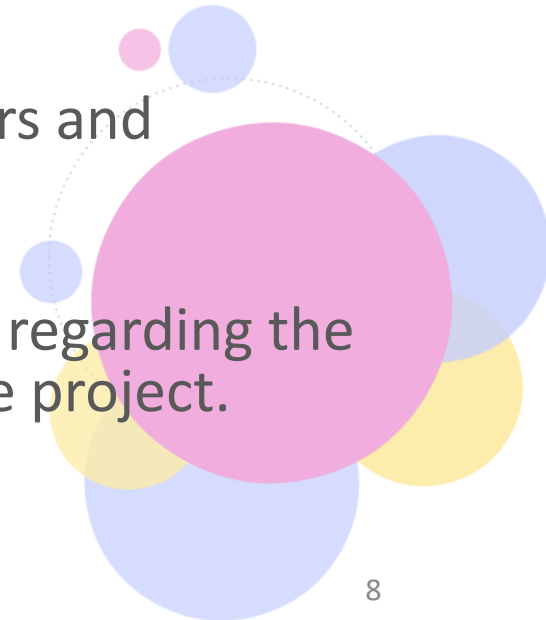
- Backlink created to Emphasys Centre's site - <https://emphasyscentre.com/research/vet-sector/digivet/>
- Creation of 3 social media accounts:
 - Facebook: <https://www.facebook.com/Digl-VET-350233285814676>
 - Instagram: <https://www.instagram.com/eudigivet/>
 - Twitter: <https://twitter.com/VetDigi>
- Until 12/11/19 17 posts on all social media platforms (please see dissemination activities table for all links and details of each post)
- Introduction to the idea of the DigI-VET project, its aims and objectives at the Cyprus International «Education and Career» Exhibition 2019
- Introduction to the idea of the DigI-VET project, its aims and objectives to Emphasys collaborators from around the EU

to do..

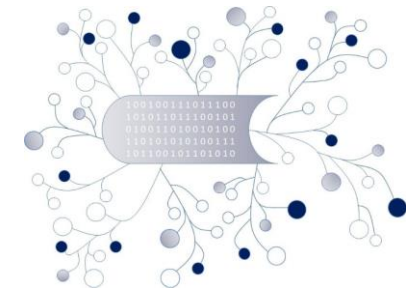
Future activities



- Attending the Cyprus International «Education and Career» Exhibition 2020 (February 2020) to present the projects findings to VET Educators, students and providers (approx. 10 000 Educators, students, schools, providers and professionals from all around Cyprus to attend)
- Article to be published to Ant1.com.cy (National online newspaper)
- 2 Newsletters to be sent to all VET Educators, students and providers and professionals.
- Update to all social media platforms (Facebook, Twitter, Instagram) regarding the projects progress and milestones or interesting article regarding the project.



Sustainability



- All links to the materials from the Digi-VET project will be visible on **Emphasys Centre's website** to ensure the continuity and sustainability of the consortium's resources and products of the project. All Information, will continue to be freely available not only to participants of the project, but also to new potential users and to anyone interested in accessing freely the educational material and results of the project.
- Contacts have been made with the **The Famagusta - Avgorou Regional/Technical and Agricultural School**, so as when the project will be completed, we will present the findings to its students.
- Emphasys will contact the **CG School of careers** and **Xenion School** to continue its collaboration and present the project's findings to the next generation of students and the younger ones also as Industry 4.0 is gaining new levels of interest in Cyprus.
- To extend the sustainability of the project on an EU Level, Emphasys will incorporate the material for the Digi-VET project into a **KA1 learning mobility course** for Teachers, Trainers, Young people and Youth workers.



By extending the target group we ensure that it will reach a larger audience

