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Talentjourney Transnational Steering Group – Infographics

Furthering on the recommendations listed out in the Talentjourney report, produced by the European Institute for Innovation – Technology (Elfi-Tech), on sustainability of data collection in relation to the creation and implementation of the Talentjourney transnational joint curricula, the Talentjourney Transnational Steering Group has been formed.

A task overseen by Elfi-Tech, several meetings have been held thus far to establish a clear and sustainable governance or structure for the Talentjourney Transnational Steering Group, which consists of 4 Talentjourney

**Skills,
IIOT, IOT,
smart manufacturing,
sustainable,
data,
methodology,
transnational,
curricula,
VET**

pilot partners from Slovenia, Estonia, Finland and Italy (Šolski center Nova Gorica, I.S.I.S. Malignani, Sataedu & Tallinn Polytechnic School) to collect information on current VET use of data and job trends used to inform the provision of education and training, and to develop summary propositions for good practice in the use of IIOT in smart manufacturing skills development needs. The transnational steering group identifies the most useful frameworks (industry, discipline, field of study or unit of competency) for VET planning and indicators, and the extent to which the training data forecasts policy/industry trends.

Both strategic and operational structures need to be agreed upon through Transnational Steering Group Meetings – the main topics for discussion are the establishment and the agreement upon responsibilities and accountabilities at the regional and transnational levels. As recommended within Elfi-Tech’s report on sustainable data collection, partners have been asked to present their answers to questions on data collection at the regional (operational level) per pilot partner country; e.g., “How, when, where and by whom is data implemented in your VET organisations?”. Specifically, partners presented concrete examples of current databases, timelines, etc. (i.e. their organisations’ data collection methodologies that influences their curricula). Knowledge exchange amongst pilot partners to determine the pilot partners databases availability at their institutes used for curricula development has therefore been conducted, in the attempt to identify common databases at the transnational level.

Based on the findings of the Talentjourney Transnational Steering Group and work completed within WP 2.2 - Sustainability of Data Collection, Elfi-Tech has overseen the development of the infographics to support in the visualisation and delivery of the Talentjourney Transnational Steering Group findings.

Some key findings of the report include a developed methodology, which shall evaluate the ways in which participating partners are preparing to use data sets to enhance quality and the learner experience and deliver on commonly agreed Talentjourney outcome agreements. In regards to how, when, where and by whom will data be implemented (collecting and data analysing), the complete Talentjourney ecosystem

shall provide data to inform of any environmental changes that impact on the programme: a Talentjourney data-sharing group shall be established to address data returns along with other regional data concerns, and some other data sharing agreements and partnership support arrangements shall be put in place.

To address what data will be provided, and who will be provided with data, Elfi-Tech's research found that the entire Talentjourney ecosystem shall provide data; it is intended to have an ideation session to determine the exact data to be used. Most Talentjourney partners are not yet clear about the data requirements of their centre in a regional context, although they fully understand their own organisation reporting requirements and arrangements – the data sharing group will prioritise the data set requirement. Research also uncovered what/who the main data source(s) used by Talentjourney are and at which level (regional, national, EU, global), including the European Centre for the Development of Vocational Training (Cedefop), ECVET – European credit system for vocational education and training, European Skills, Competences and Occupations (ESCO), Europass, ReferNet, Skills Panorama, and so on. Finally, the report addressed the responsibilities of the project's partnership in the process of methodology implementation: while most compa-

nies surveyed clearly value the development and implementation of a Talentjourney joint curriculum, through which open discussion and collaboration with VET to ensure relevance to industry needs, there still appears to be a disconnect between VET providers and companies involved in Talentjourney. A recommendation to combat lack of engagement, as outlined in the report, is that sustainable support can be provided by the participation of mentors from companies in the process of teaching modules. The main goal of the Talentjourney report 2.3 on ideation of a transnational joint curricula is to develop the idea and the concept of transnational Industry 4.0/IIOT (Industrial Internet of Things) in smart manufacturing vocational curricula/joint curricula that will be implemented in the countries of the project's partnership – Slovenia, Italy, Finland, Estonia. The joint curricula developed within the project partnership will ultimately be used as a catalyst to roll out the concept across the EU VET system. In addition, there are two sub-goals of the report: to identify which knowledge/skills/competences will be included in designing the transnational sector-wide vocational curricula so as to deliver the learners the excellence; and to identify which knowledge/skills/competences will be included in life-long trainings at the regional level, according to the regional labour market needs and at international level, the specialised trainings that are needed globally.





**Mapping,
Design Thinking,
Planning**

ISIS Malignani,
Federico Busato:

Are we alone?

In the effort of building a tangible platform along with our partners of the Talent journey project a question arose in our team: “can we widen and improve connections in our region to help us reach our goals?”

At the moment our team is focused in understanding how to deploy the knowledge accumulated in the TJ project into best practices. Our immediate main goal is finding strategies to involve companies and local institutions to reach long-life learners and better serve local communities.

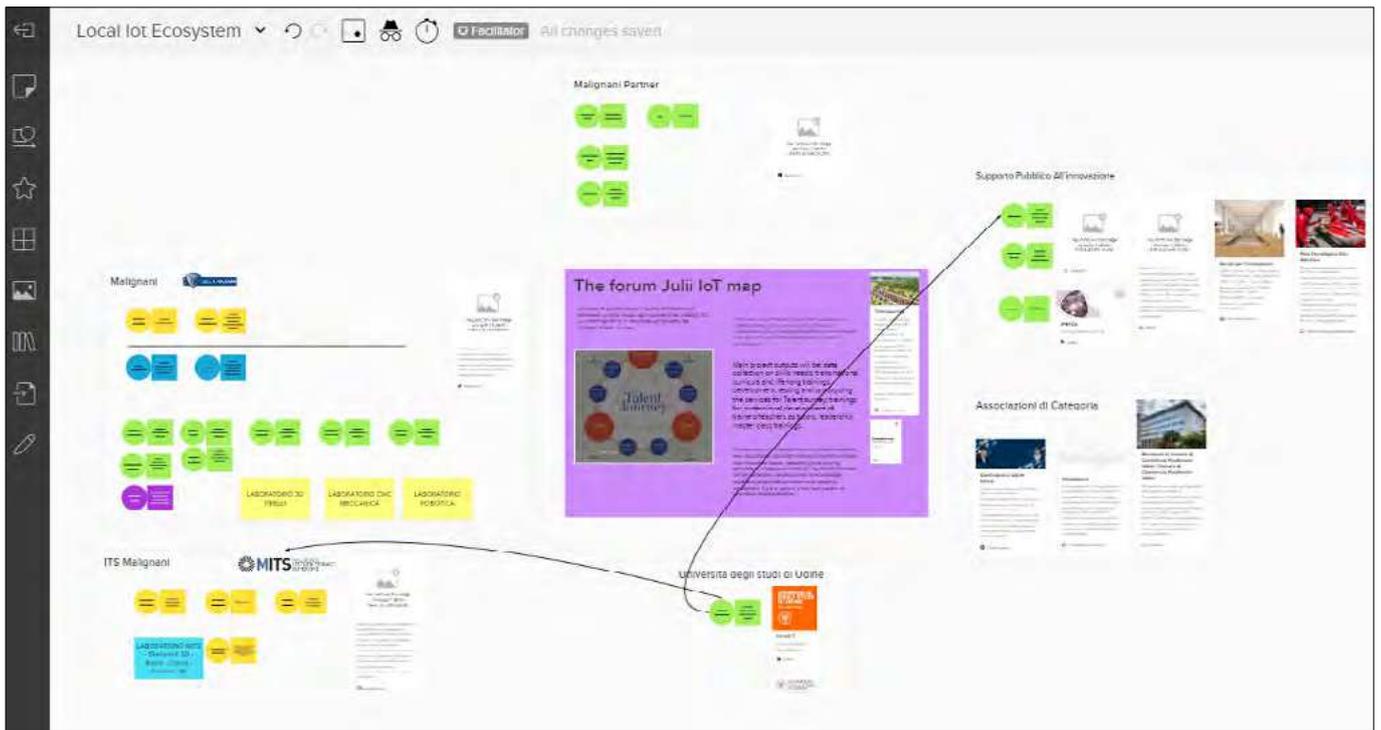
During one of our frequent online meetings we wondered how to widen local connections with other institutions to speed up and concretize the process. In order to answer this question, the team carried out a mapping of a shared stakeholder map by means of the Mural web software.

Each one of us mapped people, resources and institution inside and outside our school that are involved with IoT and Smart Industry technologies in a strict connection to local business and companies.

All the mapped stakeholders were filed in different groups: inside the school, university, local institutions, partners and trade associations. The maps and the relationships among stakeholders quickly expanded into a wide and structured network. We discovered how many contacts are involved on the territory to deploy new techs.

From the map we could observe how our institute (ISIS Malignani) is involved in the challenge of training young students for new professions by means of strong basics, curiosity and no fear of changes.

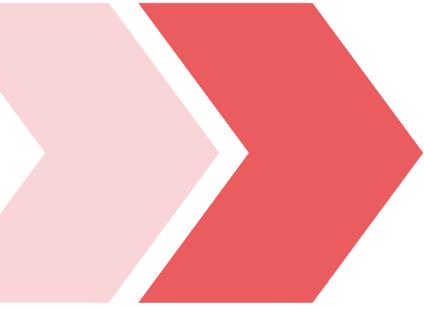
In the same maps it was possible to outline and appreciate the work and



the deep connections to the economic needs of some institutions. Among others, the IP4FVG (FVG stands for Friuli Venezia Giulia, our region), Friuli Innovation Institute, the ITS foundation, University and trade and industrial associations. Most of them are involved as much as we are in the European strategic plan to design immediate future and fill the tech gap with other countries.

We will definitely start collaborating with all of them to amplify opportunities.

Widening local relationships with stakeholders involved in deploying new technologies will provide us with a great opportunity to improve our contribution to the school and to the project.



Sataedu:

IIOT Robotics engineering pilot with VR learning

Virtual Reality learning environment, Robotics engineering, Robot cell

Sataedu has called for a tender from a VR Virtual Reality learning environment for robot cell. Tendering has ended and ADE Oy will be Sataedu's VR contracting partner. They are enthusiastic to collaborate with all TJ Partners in the future.

Sataedu and ADE oy will be jointly developing a future learning platform in VR. We are going to pilot the Robotics engineering VR learning environment that will provide a true robot cell where the learner will learn by doing. Robot cell was carefully studied and filmed by ADE and they will start to create the VR Robot cell.

In the VR learning environment, the learner will need to take care of the safety features on the robotic cell and the learner needs to change a sensor and have it wired with the correct wiring diagram. After a successful installation the learner will need to have it programmed with LOGO and test a remote





connection. There are possibilities to simulate a fault situation and the learner needs to solve the problem.

Benefits of using the robot cell virtually is that it can be done anywhere and, at any time, since there are no real robot movement f. ex. in the laboratory. There is also a gamification aspect in this VR robot

cell. We can only imagine what kind of gamifications the provider can built into VR learning environment.

Sataedu is looking forward to starting the IIOT Robotics engineering pilot with VR learning environment in September 2021.

ECIPA SCARL:

TalentJourney took part to the 2021 edition of “FestINNO”, the Festival of Innovation

***FestINNO,
innovation,
promotion,
international
event***

FestINNO, the festival of INNOVATION, is an annual regional cross-border (Italy-Slovenia) event for presenting, connecting and creating wider business activities, linking the academic sphere, the economy, entrepreneurship support policy makers and the wider public.

FestINNO 2021 (<http://www.inno.si/en/festinno-5/>) took place online on May 26th.

This year in its fifth edition, it was focused on Digital transformation, Sustainability, Innovation, and Learning, which are the keywords that we hear most repeated in this last period. The pandemic has produced a total transformation in the way in which society, businesses, and institutions conduct their daily activities and interactions, urging the need to act faster on these issues to face the restart that will lead us towards future normality.

Within this thematic orientation, FestINNO 2021 collected experiences and suggestions of this ongoing change to offer opportunities for reflection and ideas to accelerate the restart.

Once again, as in previous editions, the event was characterized by a great involvement of students, young people, companies and uni-



versities, interested in learning more and exchanging views on topics such as: innovation, sustainability, smart specialization strategies, skills development, workplaces and entrepreneurship.

In this framework, an entire 45 minutes session was dedicated to the presentation of IoT topics and related initiatives and of TalentJourney Project, carried out by Adrijana Hodak (LP-SCNG) and by Simona Aceto and Laura Castellan from project partner ECIPA, who shared with participants the added value of the project we are implementing.

The discussion focussed on the creation process for the TJPLAT ecosystem and Platform, addressed to the following profiles:

- learners who gain insight into IOT expertise and training;
- teachers and tutors, who can be provided by up to date knowledge and upskilling;
- company representatives, who can receive constant upskilling in the latest IOT trends.

With the aim of developing innovative marketing practices for achieving the global competitiveness of small and medium-sized enterprises and startup companies in the Slovenian-Italian cross-border area, FestINNO brought together the knowledge, experience and good practices of leading companies in the field of innovation, marketing, branding and the use of modern ICT technologies.

A great stage to make TalentJourney known and to gather ideas for future developments!



🇺🇹 Talentjourney: a project for an IoT vocational excellence platform

Adrijana Hodak, Simona Aceto in Laura Castellan 11:45 - 12:30

Talentjourney project, selected in the framework of Erasmus + Centre of Vocational Excellence (COVE), aims to narrow skills gap in manufacturing sector, in the field of Connectivity Devices and Services/CDS (IoT in smart manufacturing), which focuses on user-oriented, user-friendly and eco-friendly solutions. The goal of this session will be to share with participants the added value of the Talent Journey project we are implementing. During the session we will talk about the creation process for the TJ IoT ecosystem addressed to the following profiles: - learners who gains insight into IoT expertise and training - teachers, who can be provided by up to date knowledge and upskilling - company representatives, who can receive constant up-skilling in the latest IoT expertise For further information: <https://mytalentjourney.eu/>

Registrazione in corso...

TALENT JOURNEY

Talentjourney

Platform for IoT vocational excellence

festINNO = festival of INNOVATION

20th May 2021

With the support of the Erasmus+ Programme of the European Union

Participants: Borislava Hodorak, Laura Castell, INNO, Wallace Tanaka, Ura Stojkovic, Ivana Šurlan

Zoom Reunione

Registrazione in corso...

Talentjourney designs a holistic experience for a learner in IoT...

IoT life-long learner

Diagram components:

- digital skills: IoT economic, professional development
- personal and professional support
- company mentors
- IoT career guidance
- IoT story
- personal and professional support
- company mentors
- IoT career guidance
- IoT story

20th May 2021

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Participants: Borislava Hodorak, Laura Castell, INNO, Wallace Tanaka, Ura Stojkovic

Zoom Reunione

Registrazione in corso...

We have kick-started a new VET movement...

Research about learners' needs
learner, teacher, company expert interviews

Stakeholder workshops
Creating partnerships with trusted partners

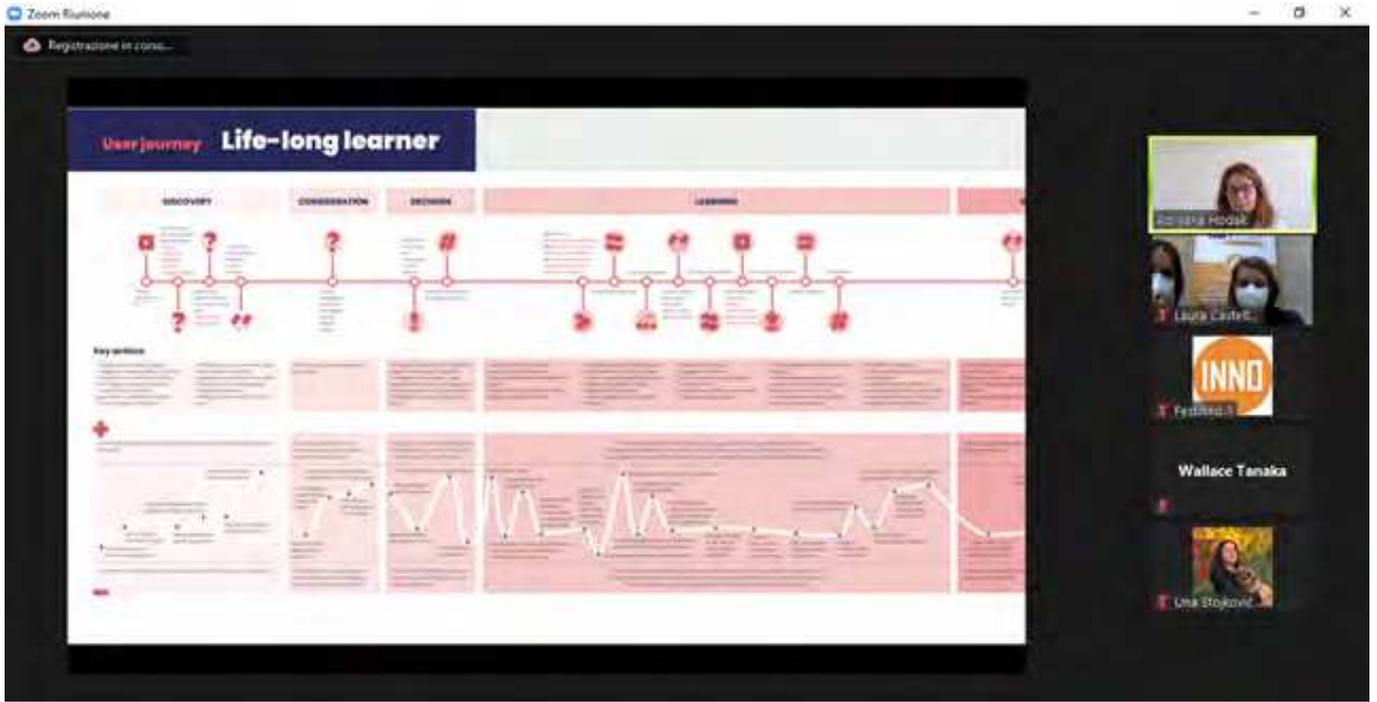
Skills' definition workshops
With international experts

Professional development trainings
For VET teachers, company mentors and employees

20th May 2021

TALENT JOURNEY

Participants: Borislava Hodorak, Laura Castell, INNO, Wallace Tanaka, Ura Stojkovic





Enhanced Manufacturing Operations with IoT

*Do you want to get involved in the project? Send us an **email**.*

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**TALENT
JOURNEY**